



## AIR PREPARATION INDEX

<b>LINE 039</b>	PRESSURE REGULATORS .....	1.4
<b>LINE 099</b>	PRECISION REGULATORS .....	1.12
<b>LINE 035</b>	MODULAR LINE 1/8 .....	1.16
<b>LINE 042</b>	MODULAR LINE 1/4.....	1.21
<b>LINE 050-052</b>	MODULAR LINE 3/8-1/2 .....	1.48
<b>LINE 075</b>	MODULAR LINE 1/2 .....	1.76
<b>LINE 080</b>	MODULAR LINE 3/4 .....	1.102
<b>LINE 095</b>	MODULAR LINE 1".....	1.125
<b>LINE AP1</b>	PRESSURE SWITCHES .....	1.138
<b>AUTOMATIC DRAIN</b>	.....	1.140
<b>LINE 010</b>	DRIP LEG DRAINS.....	1.141

VALVOLA BILANCIATA per una maggiore portata e migliore regolazione.

BALANCED VALVE for a greater air flow and greater sensitivity.

STAFFA DI FISSAGGIO A "T"  
Permette di distanziare la batteria dalla parete, per un più agevole smontaggio delle tazze.

FIXING "T" BRACKET  
Allowing to distance the battery from wall, it makes the bowl disassembling easier.

VALVOLA DI INTERCETTAZIONE  
3/2 LUCCHETTABILE  
Chiude l'alimentazione e depressurizza l'impianto per una maggiore sicurezza nelle operazioni di manutenzione.

LOCKABLE 3 WAY ON-OFF VALVE  
It shuts off air supply, relieving pressure from the system for a greater safety during maintenance operations.

ELEMENTO FILTRANTE  
Standard 20 micron, oppure 5 micron.

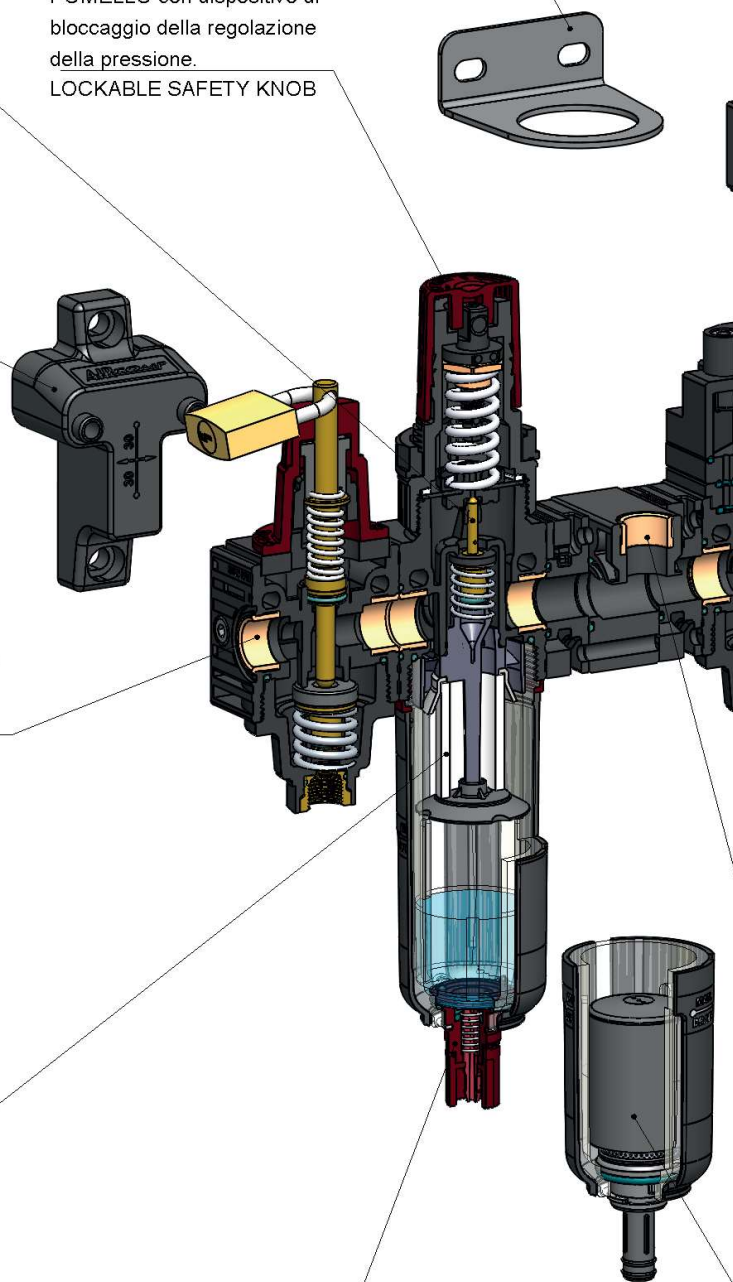
FILTERING ELEMENT.  
20 micron standard or 5 micron.

SCARICO DELLA CONDENSA  
SEMIAUTOMATICO e manuale in versione integrata con portatubo di drenaggio.

MANUAL AND SEMIAUTOMATIC  
CONDENSATE DRAIN in  
integrated version with pipeholder  
for conveying condensate.

STAFFA DI FISSAGGIO A PARETE  
WALL FIXING BRACKET

POMELLO con dispositivo di bloccaggio della regolazione della pressione.  
LOCKABLE SAFETY KNOB



VALVOLA DI SEZIONAMENTO A COMANDO ELETTRICO

Consente di intervenire a distanza con la chiusura dell'alimentazione e la contemporanea messa in scarico del circuito di valle.

ELECTRICAL CONTROL SHUT-OFF VALVE  
It allows remote operation, shutting off air supply and relieving downstream circuit.

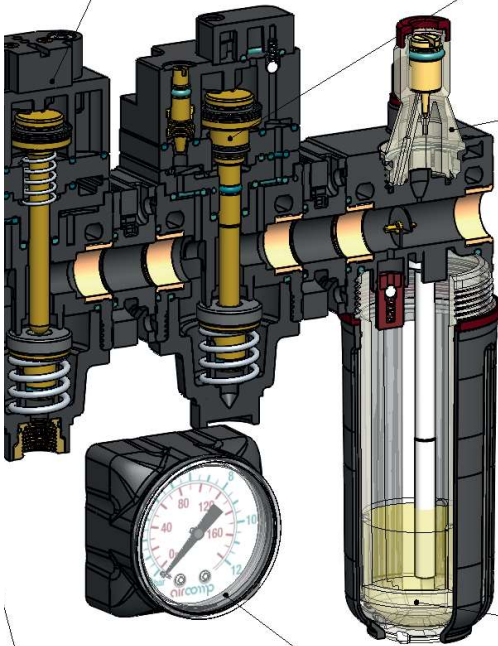


AVVIATORE PROGRESSIVO  
Pressurizza gradualmente l'impianto fino al raggiungimento della pressione d'esercizio.

SLOW START VALVE  
It gradually pressurizes the system until reaching set operating pressure.

CUPOLA TRASPARENTE per visualizzazione a 360° del gocciolamento olio.

TRANSPARENT OIL WINDOW allowing 360° dripping display.



TAZZA IN POLIAMMIDE TENACIZZATO CON PROTEZIONE ESTERNA  
Disponibile anche in versione trasparente.

TOUGHENED POLYAMIDE BOWL WITH OUTER GUARD.  
Available also in transparent version.

PRESA D'ARIA  
Consente un prelievo supplementare di aria filtrata e/o regolata.

AIR TAKE-OFF  
It provides supplementary port of filtered and/or regulated air

MANOMETRO COMPATTO  
COMPACT PRESSURE GAUGE

SCARICO AUTOMATICO a galleggiante con portatubo di drenaggio della condensa  
AUTOMATIC FLOAT TYPE CONDENSATE DRAIN  
with pipeholder for conveying condensate.

# MODULAR LINE 042 1/4"

V3+FR+PA+SV+AVP+L

# LINE 039 1/8"-1/4" | PRESSURE REGULATORS

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

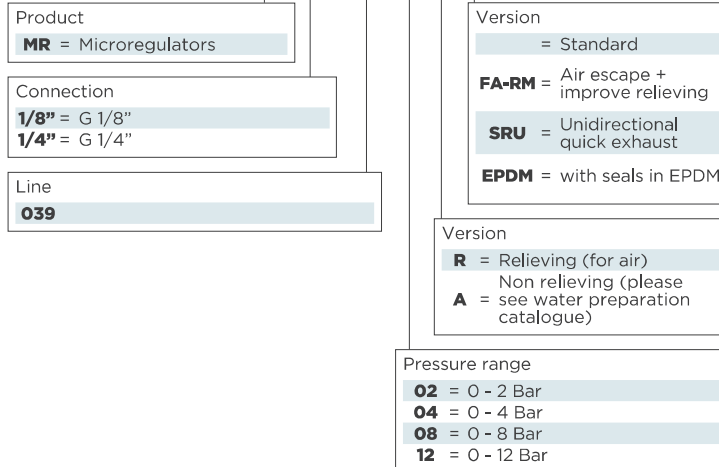
Aircomp microregulators are available in a wide range of models so as to fulfill several application requirements. The internal balanced valve guarantees high regulation stability upon variation of the upstream pressure. An accurate designing of the internal opening system provides regulation speed and big flow rate. The used polymers and internal components make this product extremely versatile for different applications with compressed air.

## GENERAL TECHNICAL DATA

<b>Fluid</b>	compressed air
<b>Working temperature (a 10 bar):</b>	-5 / +50°C
<b>Connections IN-OUT</b>	G1/8" e G1/4"
<b>Fixing type</b>	panel mounted or with bracket
<b>Mounting position</b>	any
<b>Tamper-proof knob</b>	
<b>Version with lock</b>	upon request

## GUIDE TO REFERENCES

MR 1/4" 039 08 R



# LINE 039 1/8"-1/4" | PRESSURE REGULATORS

## PRESSURE REGULATORS LINE 039

The expertise we have gained over many years in planning and production of pressure regulators has led us to constantly improve our products. Our customers urge us to develop even more specific and customised solutions. Nowadays we can offer a broad range of regulators for many applications.

### COMPRESSED AIR REGULATION

LINE 039 REGULATOR FOR COMPRESSED AIR



Features: big flow rate, stability

LINE 039 SRU QUICK EXHAUST REGULATOR



Feature: high exhaust speed

LINE 039 FA-RM AIR ESCAPE REGULATOR WITH INCREASED RELIEVING



Feature: high sensitivity and precision

LINE 039 EPDM AIR REGULATOR WITH EPDM SEALS



Feature: resistance against chemical aggressions

### WATER AND FLUIDS REGULATION

LINE 039 NON-RELIEVING REGULATOR FOR WATER



Features: big flow rate, stability

LINE 039 POM WITH CERTIFIED MATERIALS FOR DRINKING WATER



Features: compatibility and precision

LINE 039 INOX WITH CERTIFIED MATERIALS AND STAINLESS STEEL FOR DRINKING WATER



Features: compatibility and precision

LINE 039 EPDM NON-RELIEVING REGULATOR FOR LIQUIDS



Features: compatibility with brake fluid

Would you like to learn more about our range for water and fluids? Please visit the Water Preparation section.



#### LK VERSION WITH LOCK

The regulator is adjusted at the required pressure, the knob is blocked and locked. Pressure modification is possible only by opening the lock.



#### PRE-SET VERSION

The regulator is preset at the pressure value required by the customer. A tamper-proof knob is mounted in order to avoid any modification to the preset pressure.

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 039 1/8"-1/4" | PRESSURE REGULATORS

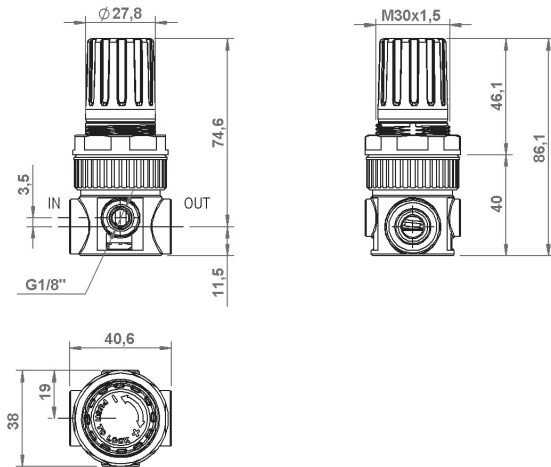
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

High performance microregulator with balanced valve for guaranteeing great stability even upon variation of the downstream pressure and low load loss.  
Relieving for a quick exhaust of the downstream overpressure.  
Knob with pressure locking device.  
Equipped with nut and nr. 1 plug.

## GENERAL TECHNICAL DATA

<b>Pressure range</b>	0-2; 0-4; 0-8; 0-12 Bar
<b>Maximum inlet pressure</b>	16 Bar
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	900 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max. torque inserts G1/8" IN-OUT</b>	20 Nm
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Max torque gauge port</b>	1 Nm
<b>Weight</b>	0,100 kg

Below 3°C the air of the circuit must be free from humidity

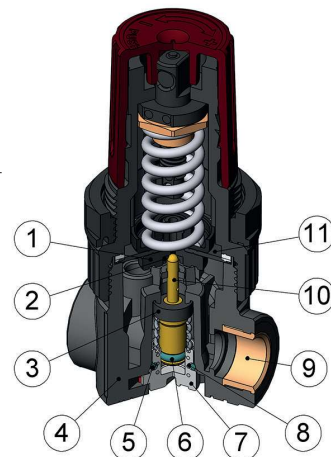
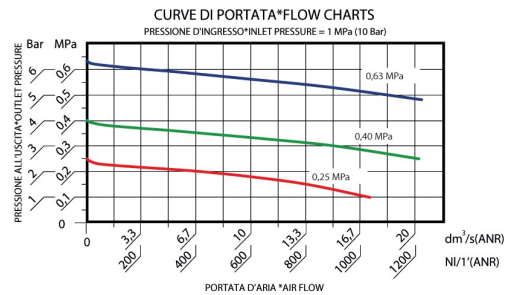
## ORDERING CODE

CODE	REF.
039.00.00001	MR 1/8" 039 02 R
039.00.00002	MR 1/8" 039 04 R
039.00.00003	MR 1/8" 039 08 R
039.00.00004	MR 1/8" 039 12 R
039.00.00401	MR 1/4" 039 02 R
039.00.00402	MR 1/4" 039 04 R
039.00.00403	MR 1/4" 039 08 R
039.00.00404	MR 1/4" 039 12 R

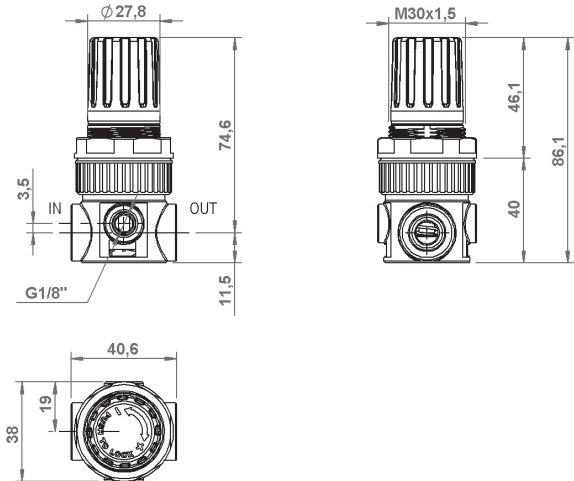
## MATERIALS

- |                         |  |
|-------------------------|--|
| 1. Diaphragm pin - POM  | 7. Plug - POM                              |
| 2. Relieving seal - NBR | 8. Valve spring - STAINLESS STEEL AISI 316 |
| 3. Valve sealing - NBR  | 9. Inserts - BRASS OT58                    |
| 4. Regulator body - POM | 10. Valve body - BRASS OT58                |
| 5. O-Ring plug - NBR    | 11. Diaphragm - NBR                        |
| 6. O-Ring valve - NBR   |  |

For the non-relieving models please go to Water preparation section.



# LINE 039 1/8"-1/4" | REGULATORS FA-RM AIR ESCAPE



## GENERAL FEATURES

High precision microregulators, thanks to an innovative CONTROLLED AIR ESCAPE SYSTEM which enhances the regulation sensitivity.

The relieving exhaust hole has been enlarged to 1,8mm for guaranteeing greater flow rate during the phase of overpressure exhaust. Knob with pressure locking device.

Equipped with nut and nr. 1 plug.

## GENERAL TECHNICAL DATA

<b>Pressure range</b>	0-2; 0-4; 0-8; 0-12 Bar
<b>Maximum inlet pressure</b>	16 Bar
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	900 NI/min
<b>Flow rate controlled air escape (Inlet pr.: 10 bar Outlet pr.: 6 bar)</b>	3,7 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max. torque inserts G1/8" IN-OUT</b>	20 Nm
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Max torque gauge port</b>	1 Nm
<b>Weight</b>	0,100 kg

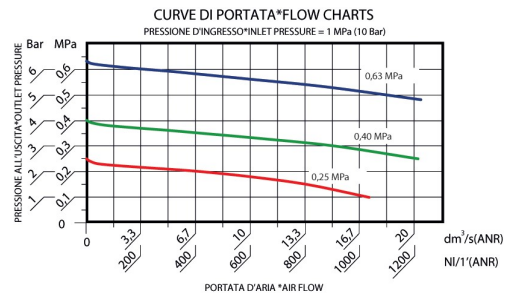
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

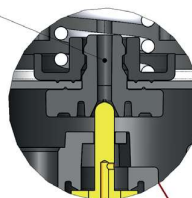
CODE	REF.
039.00.00701	MR 1/8" 039 02 R FA-RM
039.00.00702	MR 1/8" 039 04 R FA-RM
039.00.00703	MR 1/8" 039 08 R FA-RM
039.00.00704	MR 1/8" 039 12 R FA-RM
039.00.00801	MR 1/4" 039 02 R FA-RM
039.00.00802	MR 1/4" 039 04 R FA-RM
039.00.00803	MR 1/4" 039 08 R FA-RM
039.00.00804	MR 1/4" 039 12 R FA-RM

## MATERIALS

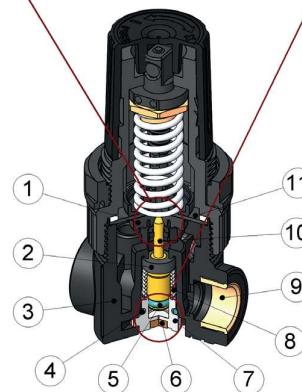
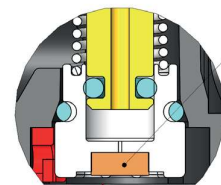
- |                               |  |
|-------------------------------|--|
| 1. Diaphragm pin - POM        | 7. Plug - POM                              |
| 2. Sealing valve - NBR        | 8. Valve spring - STAINLESS STEEL AISI 316 |
| 3. Regulator body - POM       | 9. Inserts - BRASS OT58                    |
| 4. O-Ring plug - NBR          | 10. Valve body - BRASS OT58                |
| 5. O-Ring valve - NBR         | 11. Diaphragm - NBR                        |
| 6. Silencer - sintered bronze |  |



Foro di scarico del relieving maggiorato  
Increased relieving exhaust hole



Fuga d'aria controllata e silenziata  
Controlled and Air escape with silencer



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 039 1/8"-1/4" | REGULATORS SRU QUICK EXHAUST

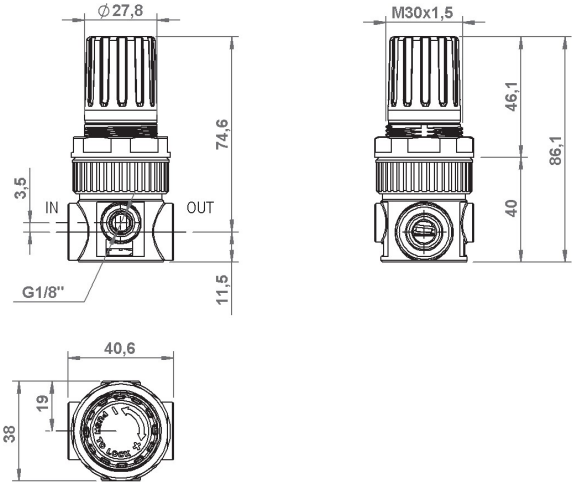
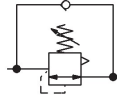
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Model equipped with internal unidirectional valve enabling the quick exhaust of pressure when the circuit is depressurized. The most common application of SRU model provides the mounting of the microregulator between the control valve and the cylinder. The exhaust phase of the valve does not incur in any load loss thanks to the passage through the unidirectional valve, thus guaranteeing speed and high performance.

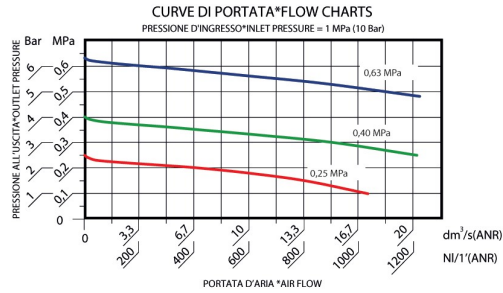
## GENERAL TECHNICAL DATA

<b>Pressure range</b>	0-2; 0-4; 0-8; 0-12 Bar
<b>Maximum inlet pressure</b>	16 Bar
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	900 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max. torque inserts G1/8" IN-OUT</b>	20 Nm
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Max torque gauge port</b>	1 Nm
<b>Weight</b>	0,100 kg

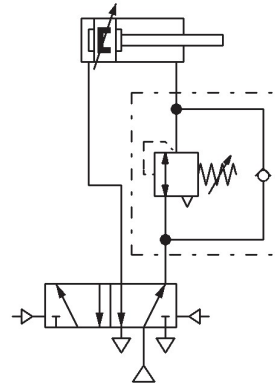
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
039.00.00022	MR 1/8" 039 02 R SRU
039.00.00023	MR 1/8" 039 04 R SRU
039.00.00024	MR 1/8" 039 08 R SRU
039.00.00025	MR 1/8" 039 12 R SRU
039.00.00441	MR 1/4" 039 02 R SRU
039.00.00442	MR 1/4" 039 04 R SRU
039.00.00443	MR 1/4" 039 08 R SRU
039.00.00444	MR 1/4" 039 12 R SRU

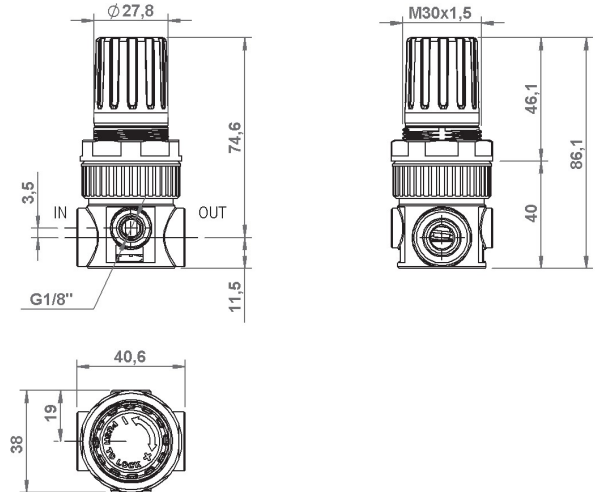


## APPLICATION SCHEME





# LINE 039 1/8"-1/4" | EPDM REGULATORS



## GENERAL FEATURES

In this version, all the elastomers in contact with fluid (seals, diaphragm, etc.) are in EPDM so as to ensure the greatest resistance against chemical aggression.

Applications: solvent-laden working environment (painting); contact with brake fluid (non-relieving version).

High performance microregulator with balanced valve for guaranteeing great stability even upon variation of the upstream pressure and low load loss.

Available in relieving and non-relieving version.

Knob with pressure locking device.

Equipped with nut and nr. 1 plug.

## GENERAL TECHNICAL DATA

<b>Pressure range</b>	0-2; 0-4; 0-8; 0-12 Bar
<b>Maximum inlet pressure</b>	16 Bar
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	900 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max. torque inserts G1/8" IN-OUT</b>	20 Nm
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Max torque gauge port</b>	1 Nm
<b>Weight</b>	0,100 kg

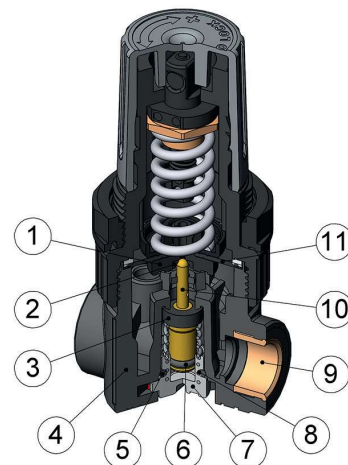
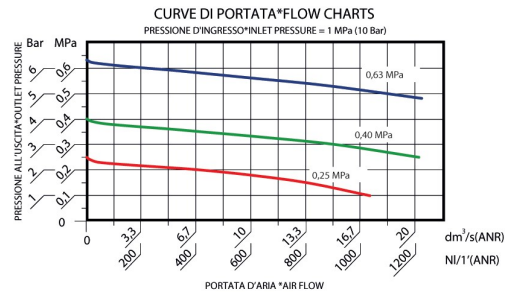
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>Regolatore con relieving</b>	
<b>038.00.00300</b>	MR 1/4" 039 02 R EPDM
<b>038.00.00301</b>	MR 1/4" 039 04 R EPDM
<b>038.00.00302</b>	MR 1/4" 039 08 R EPDM
<b>038.00.00303</b>	MR 1/4" 039 12 R EPDM
<b>Non relieving regulator</b>	
<b>039.00.00304</b>	MR 1/4" 039 02A EPDM
<b>039.00.00305</b>	MR 1/4" 039 04A EPDM
<b>039.00.00306</b>	MR 1/4" 039 08A EPDM
<b>039.00.00307</b>	MR 1/4" 039 12A EPDM

## MATERIALS

- |                          |  |
|--------------------------|--|
| 1. Diaphragm pin - POM   | 7. Plug - POM                              |
| 2. Relieving seal - EPDM | 8. Valve spring - STAINLESS STEEL AISI 316 |
| 3. Valve sealing - EPDM  | 9. Inserts - BRASS OT58                    |
| 4. Regulator body - POM  | 10. Valve body - BRASS OT58                |
| 5. O-Ring plug - EPDM    | 11. Diaphragm - EPDM                       |
| 6. O-Ring valve - EPDM   |  |



AIR PREPARATION

VALVES

CYLINDERS

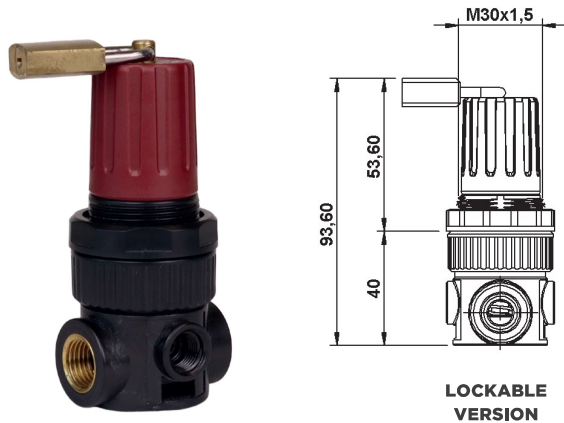
FITTINGS

WATER PREPARATION

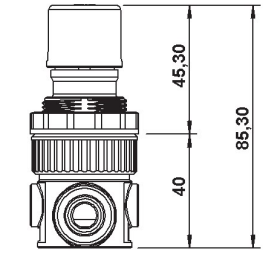
# LINE 039 1/8"-1/4" | SPECIAL VERSIONS

AIR PREPARATION

VALVES



**LOCKABLE VERSION**



**TAMPER-PROOF VERSION**

## MICROREGULATOR WITH LOCK

- \* All Aircomp Microregulators are available in the version with lock.
- This regulator version allows adjusting the required pressure and fix it, preventing accidental setting changes.
- \* The regulator is equipped with padlock and two keys.
- \* For further technical features, please refer to the respective Line, or contact our office.

## PRE-SET MICROREGULATOR

- \* Microregulators with outlet pressure pre-set by our production can be supplied upon request.
- \* With this version the Customer receives a pre-set Regulator featuring the required outlet pressure, equipped with tamper-proof knob.
- \* The tamper-proof knob enables keeping the pre-set outlet pressure, preventing unintentional pressure adjustments.
- \* In order to change the pre-set pressure, it is necessary to break the knob.
- \* Line recommended for pre-set version: Line 039, that keeps high precision on outlet pressure thanks to its own features.
- \* For further information about tolerance on outlet pressure, please contact our offices.

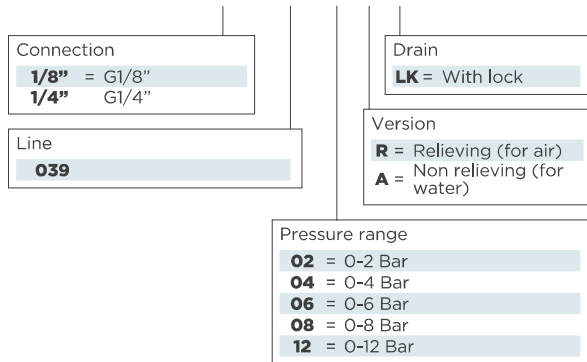
CYLINDERS

FITTINGS

WATER PREPARATION

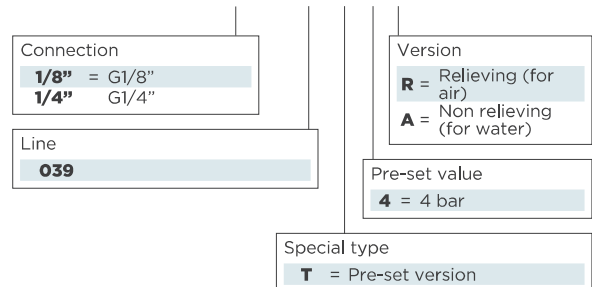
### GUIDE TO REFERENCES

**MR 1/4" 039 08 R LK**



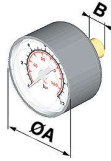
### GUIDE TO REFERENCES

**MR 1/4" 039 T 4 R**



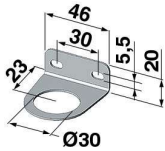
# LINE 039 1/8"-1/4" | SPARE PARTS

## GAUGE



CODE	Bar	Psi	A	B	CH.
<b>A38.00.00026</b>	0-12	0-175	40	G1/8"	14
<b>A38.00.00055</b>	0-6	0-85	40	G1/8"	12
<b>A38.00.00114</b>	0-2,5	0-36	40	G1/8"	12

## BRACKET



CODE
<b>C38.00.00069</b>

## PLUG G1/8"



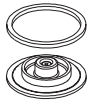
CODE	PRODUCT
<b>B38.00.00018</b>	038 - 039

## REGULATION SPRING



CODE	LINE	PRESSURE RANGE
<b>A38.00.00133</b>	039	0-1 Bar
<b>A38.00.00132</b>	039	0-2 Bar
<b>A38.00.00131</b>	039	0-4 Bar
<b>A38.00.00130</b>	039	0-8 Bar
<b>A38.00.00129</b>	039	0-10 Bar
<b>A38.00.00128</b>	039	0-12 Bar

## DIAPHRAGM KIT



CODE	LINE	VERSION
<b>C39.00.00074</b>	039	RELIEVING
<b>C39.00.00075</b>	039	NON RELIEVING
<b>C39.00.00076</b>	039	FA-RM
<b>C39.00.00077</b>	039 INOX	NON RELIEVING
<b>C39.00.00086</b>	039 POM	NON RELIEVING
<b>C39.00.00094</b>	039 EPDM	RELIEVING
<b>C39.00.00095</b>	039 EPDM	NON RELIEVING

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 099-1/8" e 1/4" | PRECISION REGULATORS

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Precision Regulator Line 099 is distinguished by high precision and stability of regulated pressure thanks to its multi-diaphragm construction concept.

The air escape feature along with a particularly sensitive relieving exhaust allow optimal performance even with low pressures.

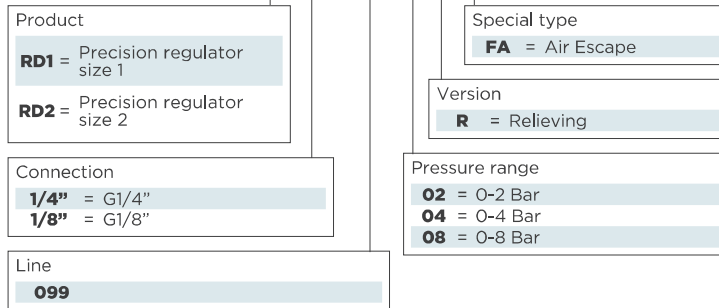
It has been designed for accurate balance pressure setting or for working as tension controller, besides all the other applications where high precision is required.

## GENERAL TECHNICAL DATA

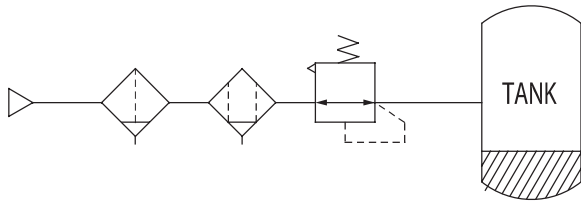
<b>Fluid</b>	compressed air
<b>Connessioni IN - OUT</b>	1/8" G e 1/4" G
<b>Mounting position</b>	any
<b>Fixing</b>	through wall bracket

## GUIDE TO REFERENCES

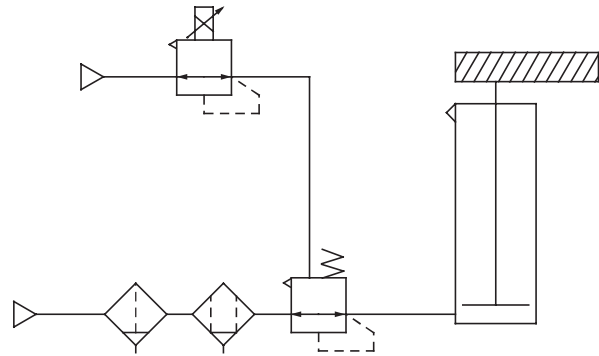
RD1 1/8" 099 02 R FA



Constant fluid pressure

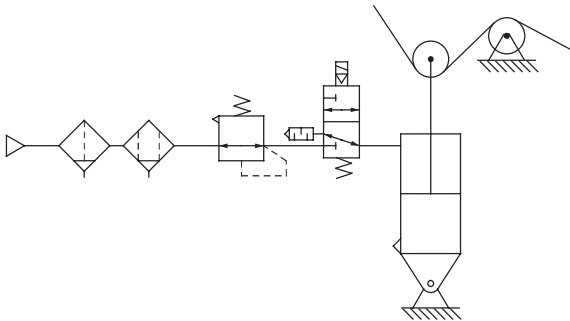


Balance pressure setting

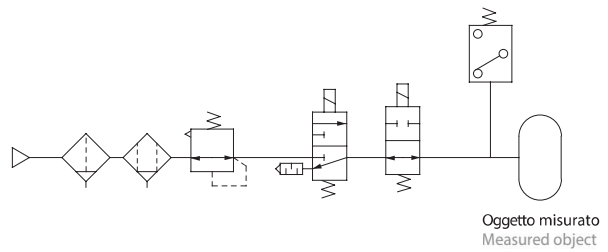


Limits pressure fluctuation when actuating cylinder

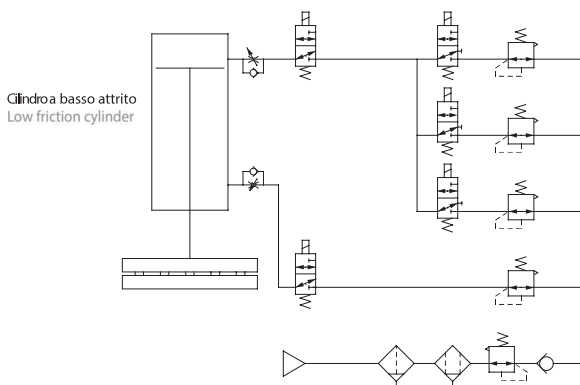
Pressure setting for tension controller



Leak test circuit

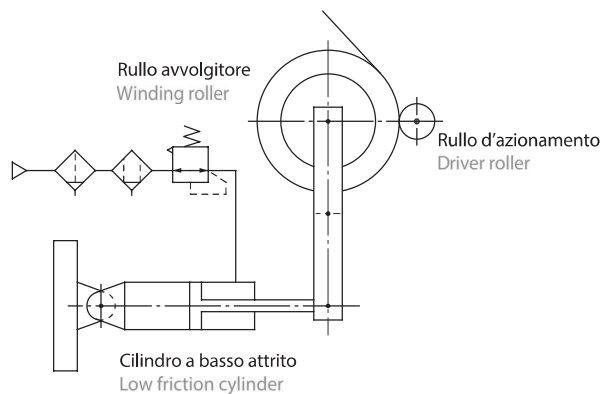


Multistage pressure control (wrapping machine)



Cilindro basso attrito  
Low friction cylinder

Contact pressure control



Maintains constant pressure during the cylinder working

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 099-1/8" | PRECISION REGULATORS

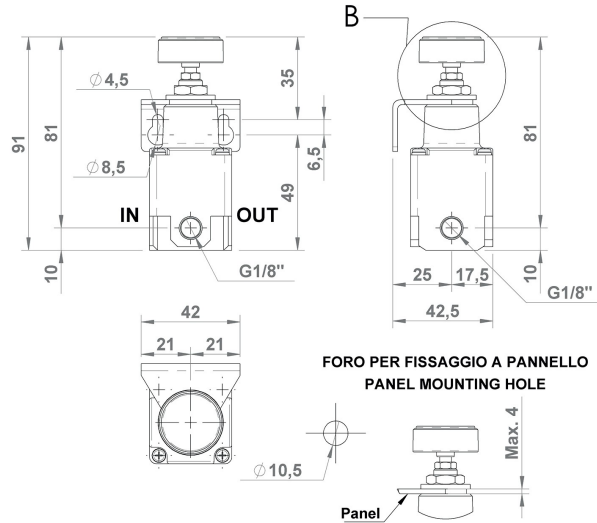
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Precision regulator with controlled air escape. Double-diaphragm operation ensuring a particularly high level of precision and repeatability, even at low pressures. Equipped with nr. 1 plug and nr. 1 bracket.

## GENERAL TECHNICAL DATA

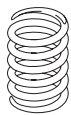
<b>Fluid</b>	compressed air
<b>INLET-OUTLET connections</b>	1/8"
<b>Pressure range</b>	0-2 Bar, 0-4 Bar; 0-8 Bar
<b>Sensitivity</b>	0,2% F.S.
<b>Repeatability</b>	0,5% F.S.
<b>Working pressure</b>	0 - 10 Bar
<b>Reference flow rate</b>	see the flow chart
<b>Working temperature (a 10 bar)</b>	-5 / +60°C*
<b>Weight</b>	0,150 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

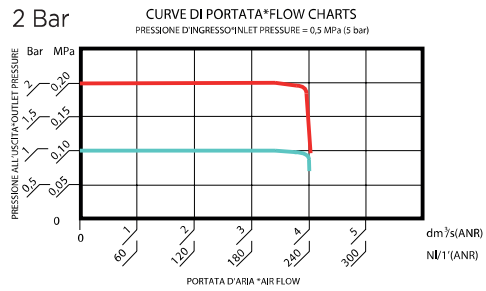
CODE	REF.
099.01.01.001	RD1 1/8 099 02 R FA
099.01.01.002	RD1 1/8 099 04 R FA
099.01.01.003	RD1 1/8 099 08 R FA

## SPARE PARTS REGULATION SPRING

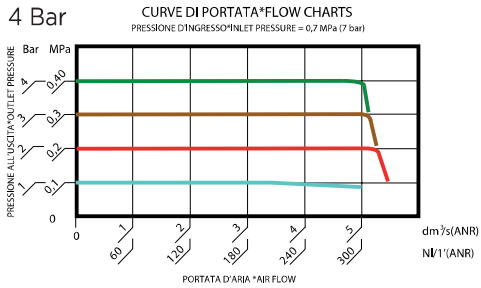


CODE	PROD.	PRESSURE RANGE
A99.01.01.001	RD1	0+2 Bar
A99.01.01.002	RD1	0+4 Bar
A99.01.01.003	RD1	0+8 Bar

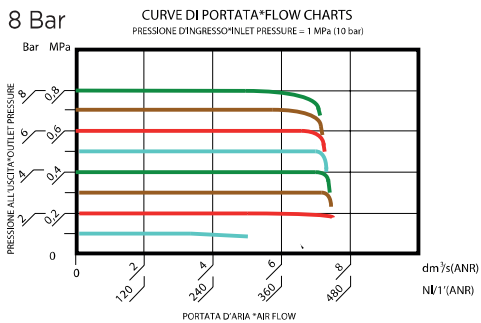
## 2 Bar



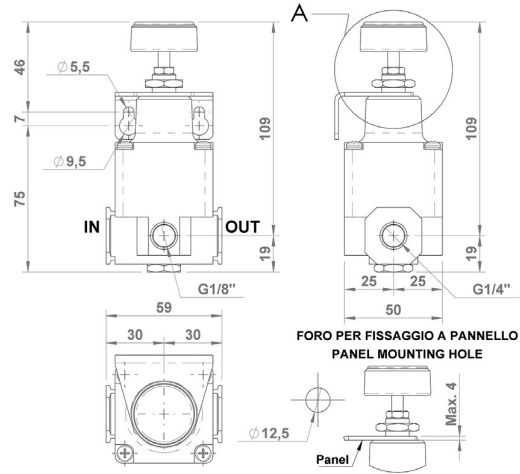
## 4 Bar



## 8 Bar



# LINE 099-1/4" | PRECISION REGULATORS



## GENERAL FEATURES

Precision regulator with controlled air escape. Double-diaphragm operation ensuring a particularly high level of precision and repeatability, even at low pressures.  
Equipped with nr. 1 plug and nr. 1 bracket.

## GENERAL TECHNICAL DATA

<b>Fluid</b>	compressed air
<b>INLET-OUTLET connections</b>	1/4"
<b>Pressure range</b>	0-2 Bar, 0-4 Bar; 0-8 Bar
<b>Sensitivity</b>	0,2% F.S.
<b>Repeatability</b>	0,5% F.S.
<b>Working pressure</b>	0 - 10 Bar
<b>Reference flow rate</b>	see the flow chart
<b>Working temperature (a 10 bar)</b>	-5 / +60°C*
<b>Weight</b>	0,300 kg

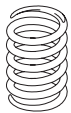
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

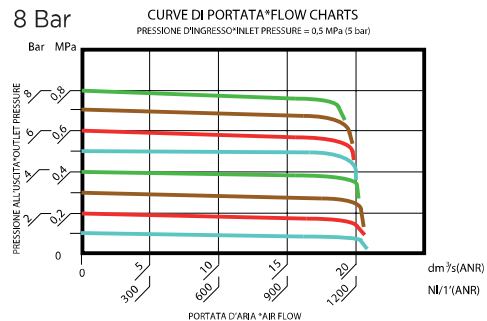
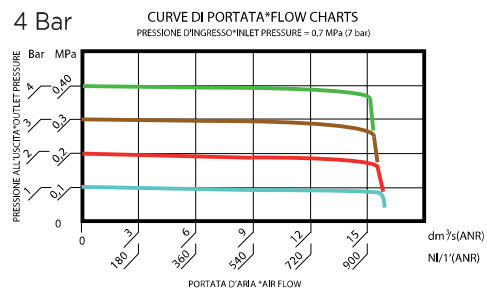
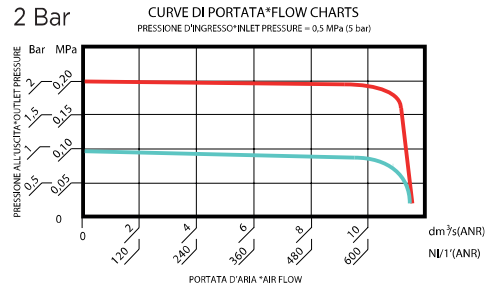
CODE	REF.
099.02.01.001	RD2 1/4 099 02 R FA
099.02.01.002	RD2 1/4 099 04 R FA
099.02.01.003	RD2 1/4 099 08 R FA

## SPARE PARTS

### REGULATION SPRING



CODE	PROD.	PRESSURE RANGE
A99.02.01.001	RD2	0÷2 Bar
A99.02.01.002	RD2	0÷4 Bar
A99.02.01.003	RD2	0÷8 Bar



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 035-1/8" | MODULAR UNITS

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



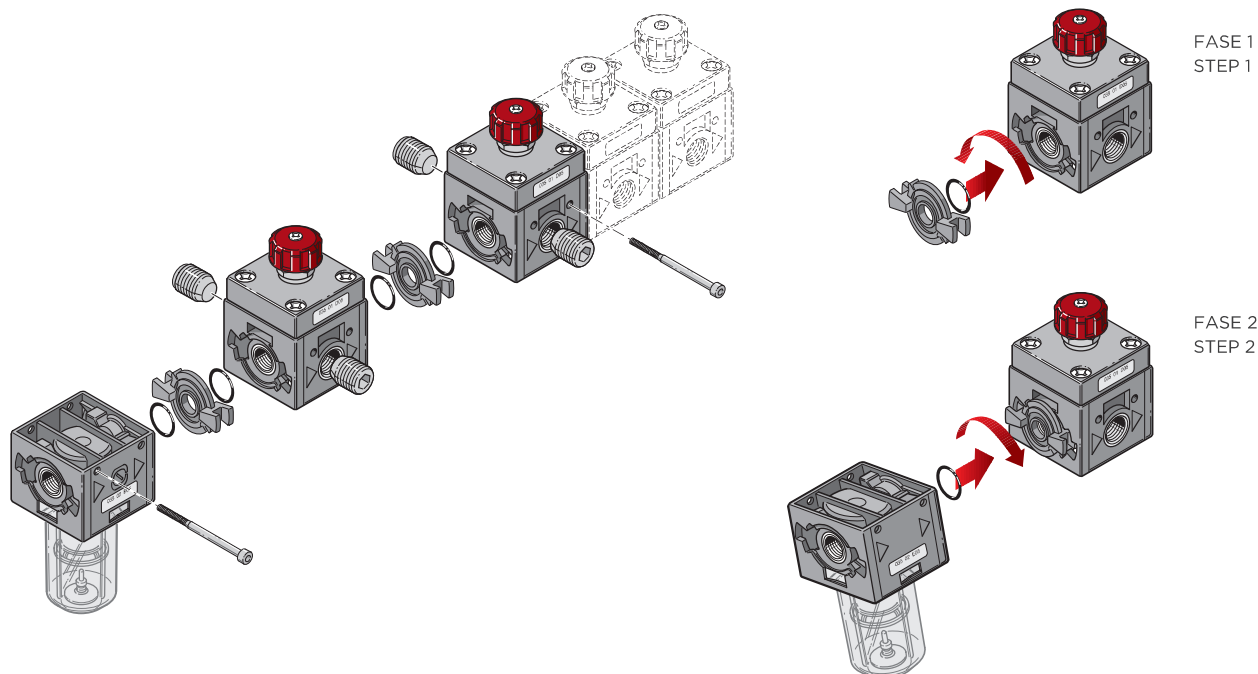
## GENERAL FEATURES

Modular units Line 035 are particularly compact and have been designed for the filtering and regulation of fluids. They are available in the version for compressed air and also for water (non relieving). The combination of filter and regulator also in battery set assembly endows great application flexibility to this Line.

## GENERAL TECHNICAL DATA

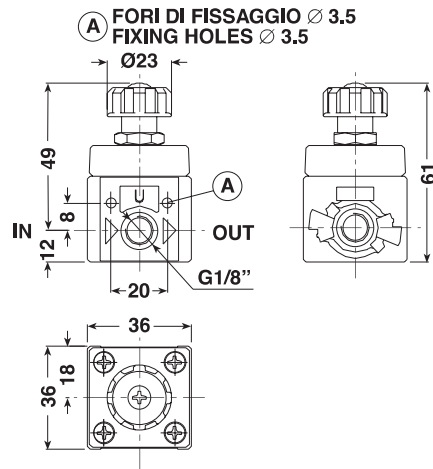
<b>Fluid</b>	compressed air - water
<b>Working temperature max (a 10 bar):</b>	+50°C
<b>Connections IN-OUT</b>	1/8"G
<b>Assembling type</b>	Assembling kit
<b>Mounting position</b>	see singol components
<b>Wall fixing</b>	through holes on the body

## MODULAR ASSEMBLING





# LINE 035-1/8" | REGULATORS



## GENERAL FEATURES

Modular regulator with diaphragm operation and not-balanced valve.  
Available in relieving version for air and non-relieving for water.  
Equipped with nr. 1 plug.

## GENERAL TECHNICAL DATA

<b>Pressure range</b>	0-6 Bar
<b>Maximum inlet pressure</b>	10 Bar
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	250 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max. torque inserts G1/8" IN-OUT</b>	20 Nm
<b>Weight</b>	0,080 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

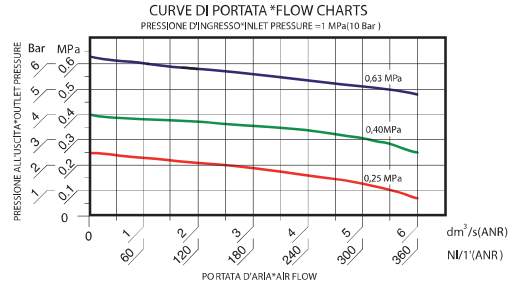
CODE	REF.
<b>035.01.00007</b>	MR 1/8" 035 06 R

For the non-relieving models please go to Water preparation section.

## GUIDE TO REFERENCES

**MR 1/8" 035 06 R**

Product <b>MR</b> = Microregulators	Version = Standard <b>B</b> = for battery
Connection <b>1/8"</b> = G 1/8"	Version <b>R</b> = Relieving (for air) <b>A</b> = Non relieving (for water)
Line <b>035</b>	Pressure range <b>06</b> = 0 - 6 Bar



AIR PREPARATION

VALVES

CYLINDERS

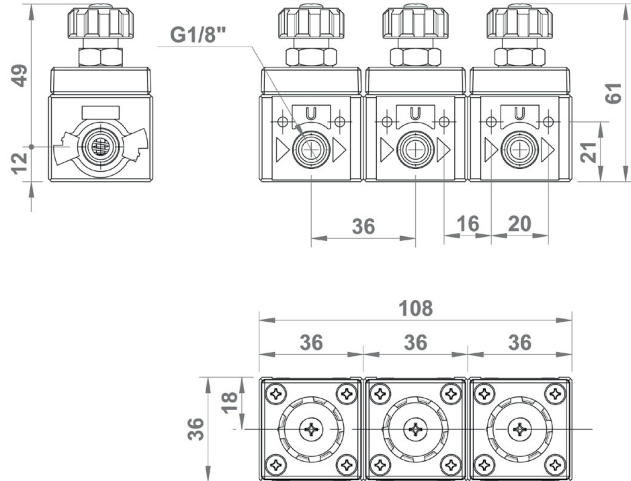
FITTINGS

WATER PREPARATION

# LINE 035-1/8" | REGULATORS FOR BATTERIES

AIR PREPARATION

VALVES



CYLINDERS

## GENERAL FEATURES

Modular regulator for battery set, with common inlet and regulated pressure on front connections.  
 Constant supply for all regulators and independent regulation for each port.  
 Available in relieving version for air and non-relieving for water.  
 Assembling kit art. C500100018 .  
 Knob with locking pressure nut.  
 Equipped with nr. 1 plug.

## GENERAL TECHNICAL DATA

<b>Pressure range</b>	0-6 Bar
<b>Maximum inlet pressure</b>	10 Bar
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	250 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max. torque inserts G1/8" IN-OUT</b>	20 Nm
<b>Weight</b>	0,080 kg

Below 3°C the air of the circuit must be free from humidity

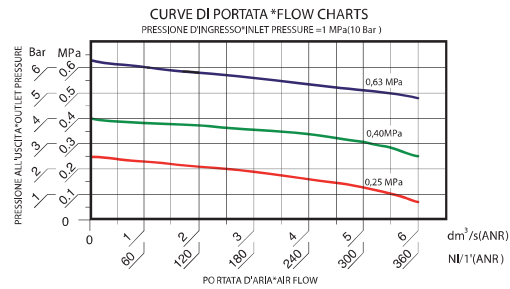
## ORDERING CODE

<b>CODE</b>	<b>REF.</b>
<b>035.01.00005</b>	MR 1/8" 035 06 R B

For the non-relieving models please go to Water preparation section.

FITTINGS

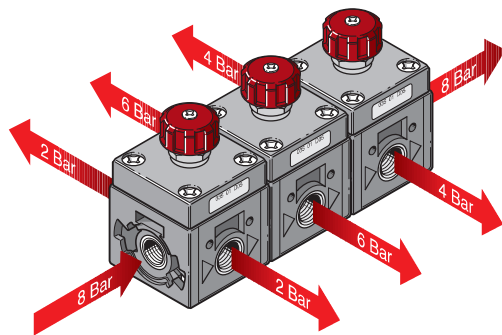
WATER PREPARATION



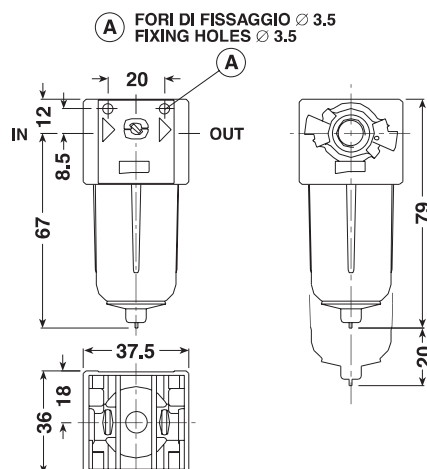
## GUIDE TO REFERENCES

MR 1/8" 035 06 R

Product <b>MR</b> = Microregulators	Version = Standard <b>B</b> = for battery
Connection <b>1/8"</b> = G 1/8"	Version <b>R</b> = Relieving (for air) <b>A</b> = Non relieving (for water)
Line <b>035</b>	Pressure range <b>06</b> = 0 - 6 Bar



# LINE 035 1/8" F | MODULAR FILTERS



## GENERAL FEATURES

Modular filter particularly compact.  
It can be wall mounted through the holes prearranged on the body.  
Manual condensate drain or without drain (for water).  
Bowl realized from transparent hardened polyamide.

## GENERAL TECHNICAL DATA

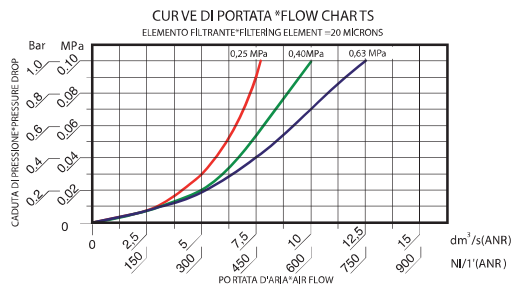
<b>Working pressure</b>	0,5-7 Bar
<b>Filtering degree</b>	5 micron; 20 micron ; 80 micron (water)
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	750 NI/min
<b>Working temperature (a 7 bar)</b>	-5 / +50°C*
<b>Bowl capacity</b>	8 cc
<b>Max. torque inserts G1/8" IN-OUT</b>	20 Nm
<b>Weight</b>	0,050 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>035.02.00003</b>	F 1/8" 035 5 TT SS
<b>035.02.*****</b>	F 1/8" 035 20 TT SS

For the version for water please see Water Preparation.



## GUIDE TO REFERENCES

**F 1/8" 035 20 TT SS**

Product <b>F</b> = Filtro	Condensate Drain <b>SS</b> = Manual — = Closed bowl
Connection <b>1/8"</b> = G 1/8"	Bowl <b>TT</b> = Transparent
Line <b>035</b>	Filtering element <b>5</b> = 5 micron <b>20</b> = 20 micron <b>80</b> = 80 micron

AIR PREPARATION

VALVES

CYLINDERS

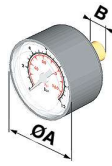
FITTINGS

WATER PREPARATION

# LINE 035 1/8" | SPARE PARTS

AIR PREPARATION

## GAUGE



CODE	Bar	Psi	A	B	CH.
<b>A35.01.00035</b>	0-6	-	25	G1/8"	11
<b>A35.01.00025</b>	0-12	0-175	25	G1/8"	11

VALVES

## PLUG G1/8"



CODE	PRODUCT
<b>B38.00.00018</b>	MR - MR P

CYLINDERS

## KIT ASSEMBLING UNITS



CODE	PRODUCT
<b>C35.01.00018</b>	MR - F - MF

FITTINGS

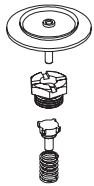
## REGULATION SPRING



CODE	LINE	RANGE OF PRESSURE
<b>A35.01.00006</b>	035	0-6 Bar

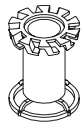
WATER PREPARATION

## DIAPHRAGM WITH VALVE



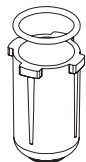
CODE	PRODUCT	VERSION
<b>C38.00.00049</b>	MR	RELIEVING
<b>C38.00.00050</b>	MR - MR P	NON RELIEVING

## FILTERING ELEMENT



CODE	PRODUCT	VERSION
<b>C35.02.00006</b>	F	20 Micron
<b>C35.02.00010</b>	F	5 Micron
<b>C35.02.00005</b>	F	80 Micron

## BOWL FOR FILTER



CODE	PRODUCT	VERSION
<b>C35.02.00004</b>	F - MF	SS
<b>C35.03.00001</b>	F	for water

# LINE 042 1/4" | MODULAR UNITS



## GENERAL FEATURES

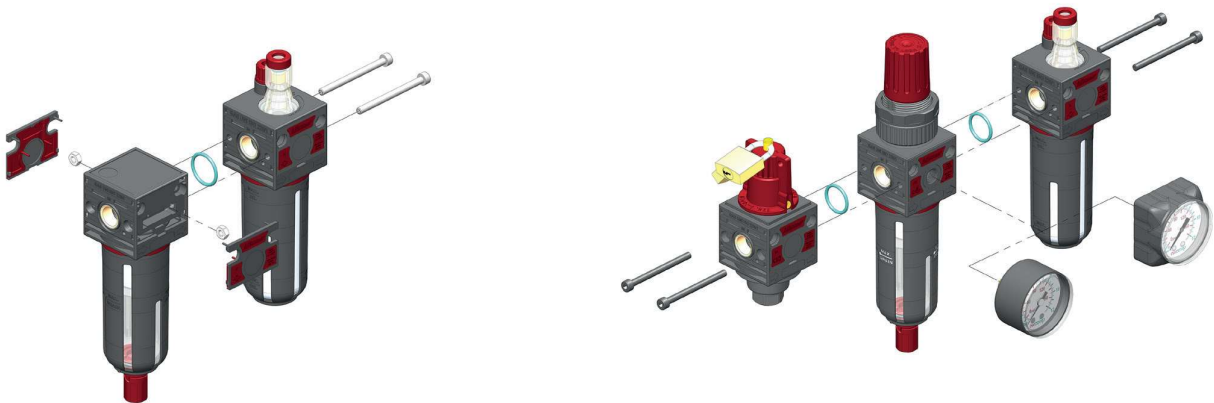
Modular units Line 042 have been designed for delivering the utmost assembling flexibility in order to realize battery sets featuring exactly the functions that customer's application requires. The additional available modules are the following:

- V3 manual shut-off valve with lock
- SV electric or pneumatic shut-off valve
- AVP slow-start valve
- MF coalescing microfilter 0,01 micron
- CF activated carbon filter
- PA additional air inlet , intermediate, inlet or outlet

## GENERAL TECHNICAL DATA

<b>Fluid</b>	compressed air
<b>Working temperature (a 10 bar):</b>	-5 / +50°C
<b>Connections IN-OUT</b>	G1/4"
<b>Assembling type</b>	Unit kit or battery kit
<b>Mounting position</b>	see single components
<b>Wall fixing</b>	through holes on the body or brackets
<b>Version with lock</b>	V3 standard; R and FR upon request
<b>Preset tamper-proof version</b>	R and FR upon request

## UNITS ASSEMBLING KIT



Art. C400600001 assembling kit for units FRL 042: for assembling sets of 2 or 3 units: FR+L; F+R+L; V3+FR+L or F+L; F+MF

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 042 1/4" | MODULAR UNITS

AIR PREPARATION

VALVES

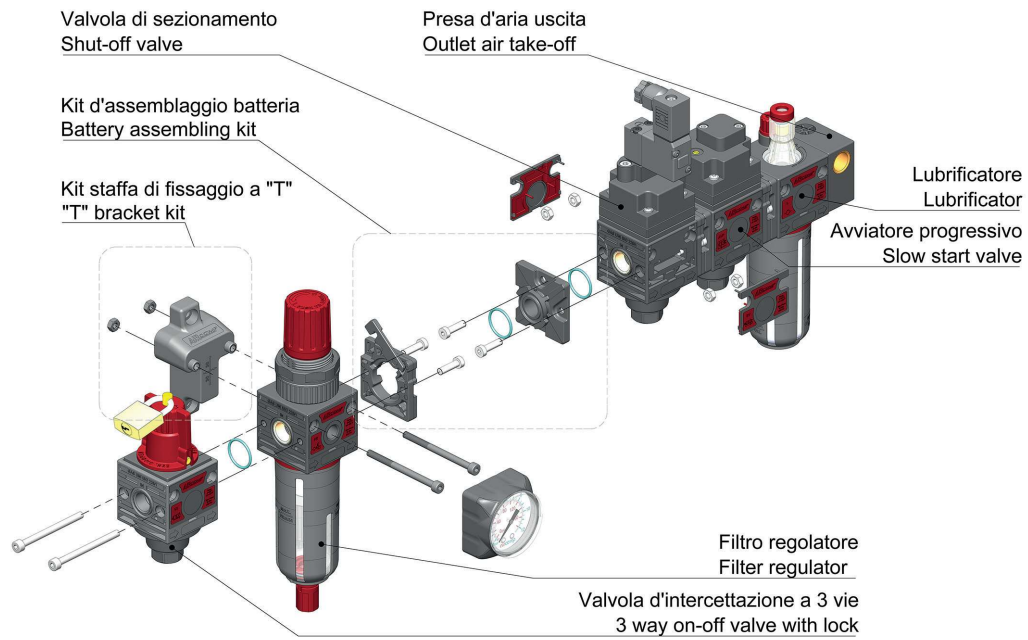
CYLINDERS

FITTINGS

WATER PREPARATION

## BATTERY ASSEMBLING KIT (SLIM KIT)

Art. C420600007 Slim Kit: assembling kit for battery sets FRL 042: it can be used for all combinations



This Kit, that has been designed for providing the greatest flexibility in configuring battery sets Line 042, even offers the possibility to turn 90° the components with respect to the main axis.

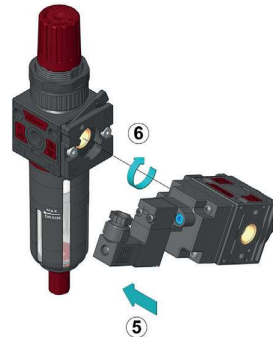
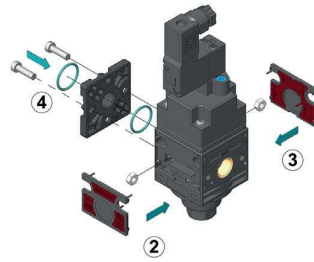
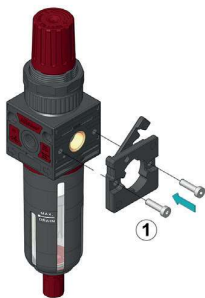
### STANDARD ORIENTATION



### 90° ORIENTATION



### HOW TO ASSEMBLE



#### ASSEMBLY PHASES:

1. Assemble the kit left side (you can always find fixing nuts on the body of regulator and filter regulator)

2-3. Remove temporarily the plates, replace the holding bit with the nuts.

4. Assemble the kit right side

5. Turn one of the two units for allowing the locking.

6. Reposition the unit to its correct position.

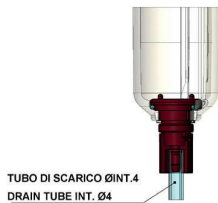
7. Lock the safety tooth.

# LINE 042 1/4" | MODULAR UNITS

## CONDENSATE DRAIN

The condensate building up within the pneumatic systems is often causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the outside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

### SEMI-AUTOMATIC DRAIN (SS)



Semiautomatic drain is supplied as standard on all Aircomp Lines.

The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.

The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

### FLOAT TYPE AUTOMATIC DRAIN (SA)



Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

### DIFFERENTIAL AUTOMATIC DRAIN (SAD)



Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 0,2 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

### OPEN 1/8 CONNECTION (S18)



The seat with female thread 1/8 , available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves.

It is available also with locking pin with "manual drain" function.

## UNITS WITH COMPACT GAUGE

Units can be requested complete with gauge.

In this case, they are equipped with our compact gauge offering following advantages:

**Visibility:** The wide display ensures a better visibility.

**Compactness:** Designed for having reduced dimensions, the Compact Gauge restrains the risk of breaking.

**Easiness:** Simple mounting without tools. Tightness is guaranteed by an O-Ring, no teflon or sealant are required.

**Versatility:** The new Compact Gauge can be re-used on other Aircomp units. In case of need, it can be replaced with other commercial gauges.



# LINE 042 1/4" | MODULAR REGULATORS

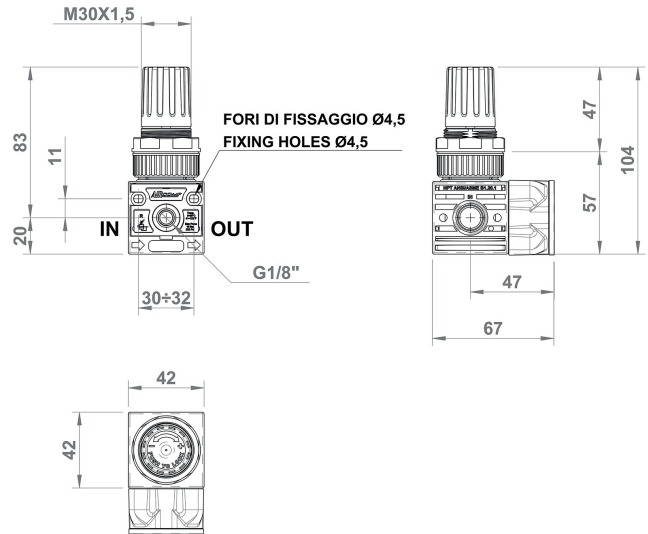
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Modular regulator with balanced valve which ensures big flow rate and low load loss.

Relieving for a quick exhaust of the downstream overpressure.

Knob with pressure locking device.

Equipped with nut and nr. plug.

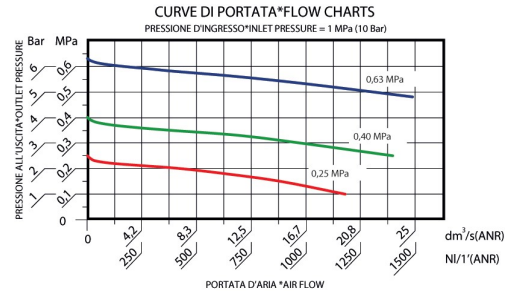
## GENERAL TECHNICAL DATA

<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Maximum inlet pressure</b>	16 Bar
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	1.200 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Max torque gauge port</b>	<b>round gauge:</b> 1 Nm
	<b>compact gauge:</b> manual
<b>Weight</b>	0,125 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>042.01.00004</b>	R 1/4" 042 04 R
<b>042.01.*****</b>	R 1/4" 042 08 R
<b>042.01.00006</b>	R 1/4" 042 12 R



For the non-relieving models please go to Water preparation section.

## GUIDE TO REFERENCES

R 1/4" 042 08 R LK

Product <b>R</b> = Regulator	Special type <b>LK</b> = Lockable
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Version = Standard <b>B</b> = For battery
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	Version <b>R</b> = Relieving
	Range of pressure <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar



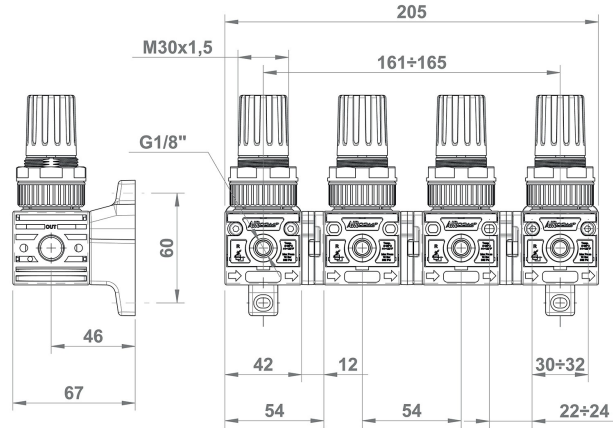
WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

042.01.M0004 R 1/4" 042 04R + GAUGE



# LINE 042 1/4" | REGULATORS FOR BATTERY



## GENERAL FEATURES

Modular regulator for BATTERY assembling, with common inlet and regulated pressure on the front connections.  
 Constant supply for all regulators and independent regulation pressure for each port.  
 Relieving for a quick exhaust of downstream overpressure.  
 Knob with locking pressure device.  
 Equipped with nut and nr. 1 plug.

## GENERAL TECHNICAL DATA

<b>Pressure range</b>	0-2; 0-4; 0-8; 0-12 Bar
<b>Maximum inlet pressure</b>	16 Bar
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	600 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>INLET-OUTLET connections</b>	G1/4"
<b>Regulated pressure connections</b>	G1/8"
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Max torque gauge port round</b>	1 Nm
<b>Weight</b>	0,125 kg

Below 3°C the air of the circuit must be free from humidity

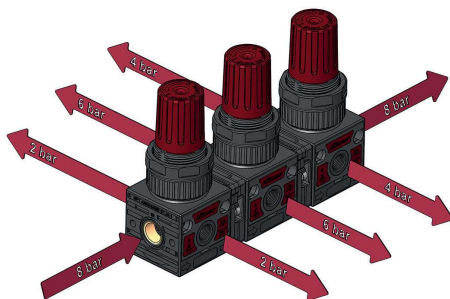
## ORDERING CODE

CODE	REF.
<b>042.01.00045</b>	R 1/4" 042 02 R B
<b>042.01.00046</b>	R 1/4" 042 04 R B
<b>042.01.00047</b>	R 1/4" 042 08 R B
<b>042.01.00048</b>	R 1/4" 042 12 R B

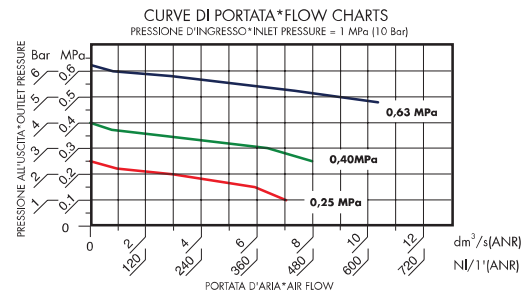
For the non-relieving models please go to Water preparation section.



Please note: the regulator for battery is not suitable for the COMPACT gauge. The round gauge must be used.



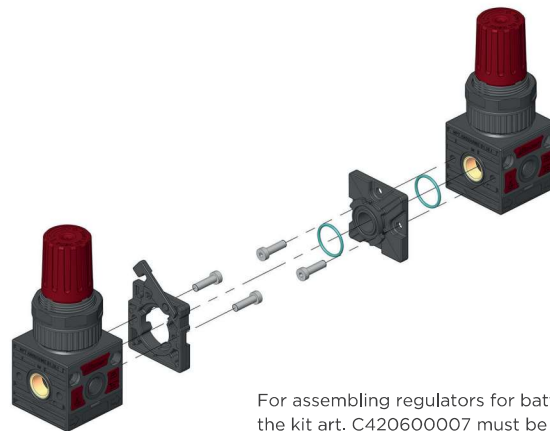
Assembling scheme



## GUIDE TO REFERENCES

R 1/4" 042 08 R LK

Product <b>R</b> = Regulator	Special type <b>LK</b> = Lockable
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Version = Standard <b>B</b> = For battery
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	Version <b>R</b> = Relieving
	Range of pressure <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar



For assembling regulators for battery, the kit art. C42060007 must be used.

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 042 1/4" | MODULAR FILTERS

AIR PREPARATION

VALVES

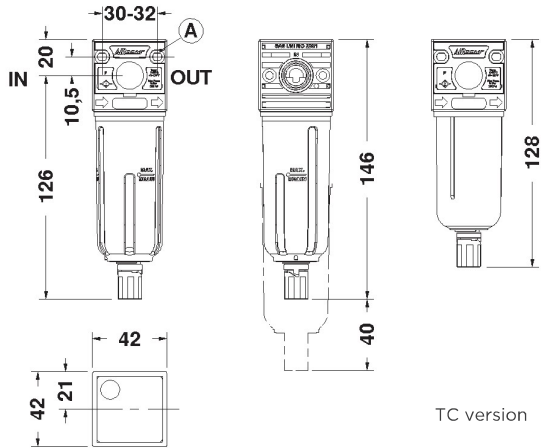
CYLINDERS

FITTINGS

WATER PREPARATION



FORI DI FISSAGGIO Ø4.5  
FIXING HOLES Ø4.5



PE and TT version.

TC version

## GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss.

It can be wall mounted through the holes prearranged on the body. Equipped with semiautomatic condensate drain as standard (SS). Available options: float type automatic drain (SA) and differential (SAD), which can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide, available in following configurations:

TT = transparent; PE = outer guard; TC = short transparent.

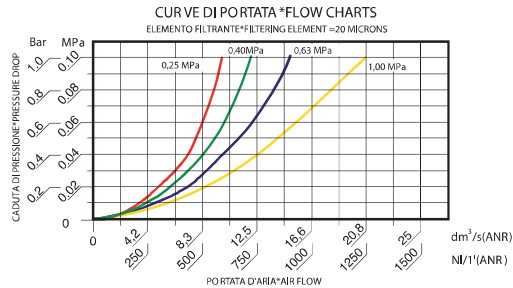
## GENERAL TECHNICAL DATA

<b>Maximum inlet pressure</b>	16 Bar
<b>Drain working pressure</b>	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	1,250 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Bowl capacity</b>	TT = 22cc; PE = 22cc; TC = 15cc
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Weight</b>	0,095 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
042.02.*****	F 1/4" 042 20 TT SS
042.02.00109	F 1/4" 042 5 TT SS
042.02.00072	F 1/4" 042 20 PE SS
042.02.00118	F 1/4" 042 5 PE SS
042.02.00110	F 1/4" 042 20 TC SS (short bowl)
042.02.00176	F 1/4" 042 5 TC SS (short bowl)
<b>Float type automatic drain version.</b>	
042.02.00151	F 1/4" 042 20 TT SA
042.02.00152	F 1/4" 042 5 TT SA
042.02.00153	F 1/4" 042 20 PE SA
042.02.00154	F 1/4" 042 5 PE SA
<b>"Differential" automatic drain version.</b>	
042.02.00180	F 1/4" 042 20 TT SAD
042.02.00181	F 1/4" 042 5 TT SAD
042.02.00182	F 1/4" 042 20 PE SAD
042.02.00183	F 1/4" 042 5 PE SAD



## GUIDE TO REFERENCES

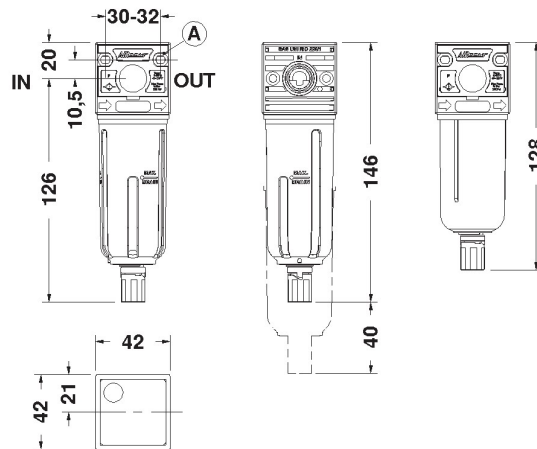
F 1/4" 042 20 PE SS

<b>Product</b> <b>F</b> = Filter <b>MF</b> = Microfilter <b>CF</b> = Activated carbon	<b>Condensate Drain</b> <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	<b>Tazza</b> <b>TT</b> = transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	<b>Filtering element</b> <b>5</b> = 5 micron <b>20</b> = 20 micron <b>0,01</b> = 0,01 micron <b>CA</b> = Activated carbon

# LINE 042 1/4" | COALESCING MICROFILTERS (OIL REMOVER)



A FORI DI FISSAGGIO Ø4.5  
FIXING HOLES Ø4.5



PE and TT version.

TC version

## GENERAL FEATURES

Modular filter with coalescing cartridge made from glass borosilicate fiber providing high filtering efficiency (99,97% on 0,01 micron particles).

It is recommended to install a 5 micron filter upstream in order to allow a longer life of the coalescing cartridge.

Application: it is suitable for removing oil remnants in pneumatic circuits.

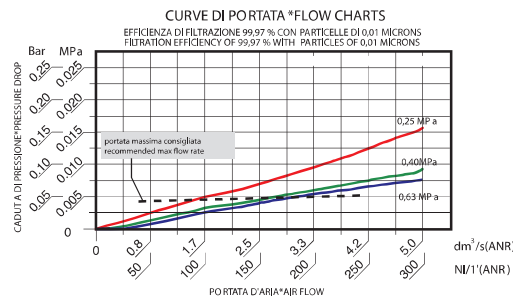
It can be wall mounted through the holes prearranged on the body. Equipped with semiautomatic condensate drain as standard (SS). Bowl made from hardened polyamide, available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

## GENERAL TECHNICAL DATA

<b>Maximum inlet pressure</b>	16 Bar
<b>Drain working pressure</b>	0,5 Bar
<b>Filtering degree</b>	0,01 micron
<b>Recommended max flow rate</b>	180 NL/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C
<b>Bowl capacity</b>	TT = 22cc; PE = 22cc; TC = 15cc
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Weight</b>	0,095 kg

## ORDERING CODE

CODE	REF.
042.02.00064	MF 1/4" 042 0,01 TT SS
042.02.00115	MF 1/4" 042 0,01 PE SS
042.02.00111	MF 1/4" 042 0,01 TC SS (short bowl)
<b>Float type automatic drain version.</b>	
042.02.00159	MF 1/4" 042 0,01 TT SA
042.02.00160	MF 1/4" 042 0,01 PE SA
<b>"Differential" automatic drain version.</b>	
042.02.00184	MF 1/4" 042 0,01 TT SAD
042.02.00185	MF 1/4" 042 0,01 PE SAD



## GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product  
**F** = Filter  
**MF** = Microfilter  
**CF** = Activated carbon

Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"  
**1"** = G 1"

Line  
**042**  
**050**  
**052**  
**075**  
**080**  
**095**

Condensate Drain  
**SS** = Semiautomatic (standard)  
**SA** = Automatic float type  
**SAD** = Automatic differential  
**S18** = Open seat 1/8 F

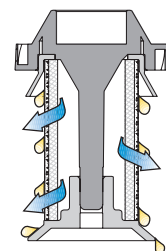
Bowl  
**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

Filtering element  
**5** = 5 micron  
**20** = 20 micron  
**0,01** = 0,01 micron  
**CA** = Activated carbon

## COALESCENT CARTRIDGE

### FUNCTIONING

The air with impurity enter into the special high efficiency cartridge, which stops solid particles, captures and joins outside the oil particles (coalescing effect), so that they can easily fall to the bottom of the bowl and be drained outside. In doing so, the filtered air will be free from solid impurities and liquid particles.



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 042 1/4" | CARBON FILTERS

AIR PREPARATION

VALVES

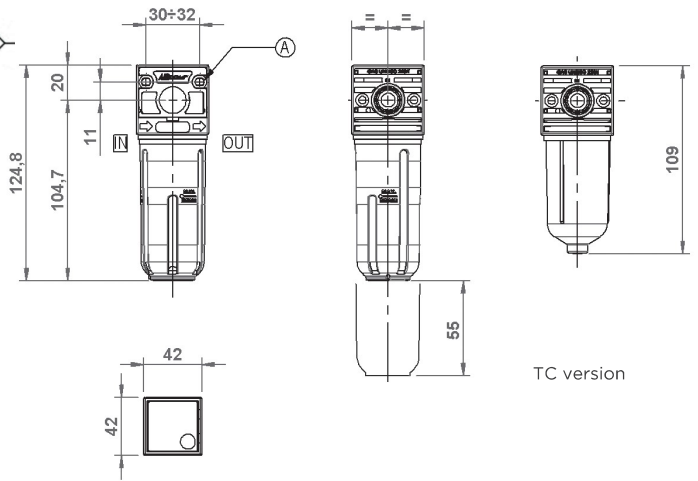
CYLINDERS

FITTINGS

WATER PREPARATION



FORI DI FISSAGGIO Ø4,5  
FIXING HOLES Ø4,5



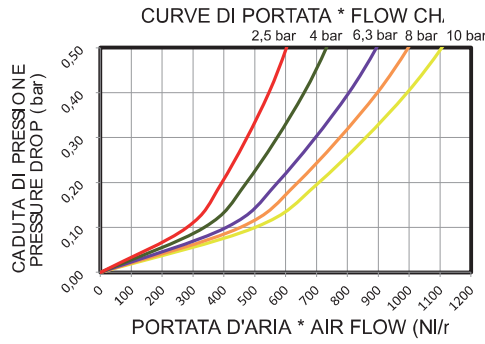
PE and TT version.

## GENERAL FEATURES

Aircomp activated carbon filter exploits the absorption properties of activated carbon in order to increase air purity and eliminate unpleasant smell in the air aimed at the industrial sector. The activated carbon filter, in order to guarantee its performance, needs to be associated with a coalescing filter, that should be preceded by a 5 Micron filter (F+MF+CF). It can be wall mounted through the holes prearranged on the body. Closed bowl (without drain) made from hardened polyamide, available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

## GENERAL TECHNICAL DATA

<b>Fluid</b>	compressed air
<b>Maximum inlet pressure</b>	16 Bar
<b>Filtering cartridge</b>	activated carbon
<b>Life of cartridge</b>	Replacement against pressure drop higher than 0,75 bar. Anyhow, do not exceed 2,000 working hours. Saturation of activated carbon may not cause pressure drop.
<b>Reference flow rate</b>	see the flow chart
<b>Working temperature (a 10 bar)</b>	-5 / +50°C
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Weight</b>	0,10 kg



## ORDERING CODE

CODE	REF.
042.02.00300	CF 042 1/4 CA TT
042.02.00301	CF 042 1/4 CA TC (short bowl)
042.02.00302	CF 042 1/4 CA PE

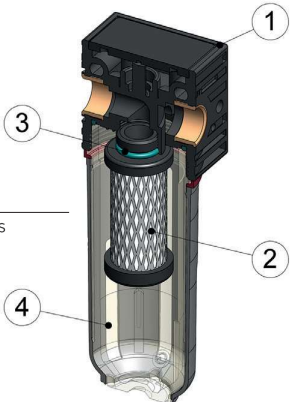
## GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

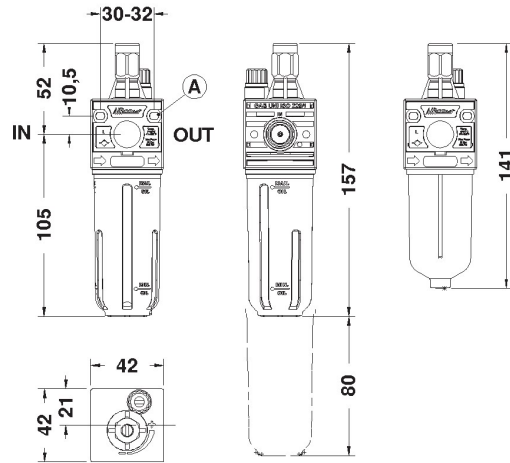
<b>Product</b> <b>F</b> = Filter <b>MF</b> = Microfilter <b>CF</b> = Activated carbon	<b>Condensate Drain</b> <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	<b>Bowl</b> <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	<b>Filtering element</b> <b>5</b> = 5 micron <b>20</b> = 20 micron <b>0,01</b> = 0,01 micron <b>CA</b> = Activated carbon

## COMPONENTI

1. **Body** - resina acetica + brass
2. **Carbon filter cartridge**
3. **O-ring** - NBR
4. **Bowl** - Toughened PA



# LINE 042 1/4" | LUBRICATORS



PE and TT version.

TC version

## GENERAL FEATURES

Proportional oil mist lubricator allowing a constant oil delivery over time.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

Oil filling plug.

It can be wall mounted through the holes prearranged on the body. Closed bowl (without drain) made from hardened polyamide, available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

## GENERAL TECHNICAL DATA

<b>Maximum inlet pressure</b>	16 Bar
<b>Bowl capacity</b>	TT= 42cc; PE=42cc; TC=32cc
<b>Recommended oil viscosity</b>	ISO VG32
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	2.060 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Weight</b>	0,095 kg

Below 3°C the air of the circuit must be free from humidity

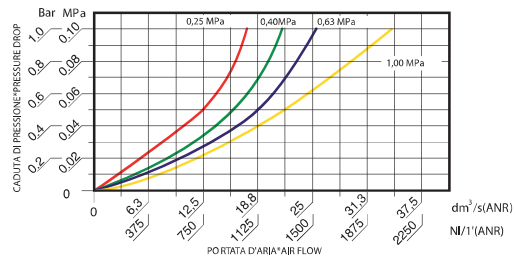
## ORDERING CODE

CODE	REF.
<b>042.03.*****</b>	L 1/4" 042 TT
<b>042.03.00072</b>	L 1/4" 042 PE
<b>042.03.00078</b>	L 1/4" 042 TC (short bowl)

## MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm <sup>3</sup> /s (ANR)	NI/1' (ANR)	SCFM
36	0,25	2,50	0,36	22	0,77
58	0,40	4,00	0,43	26	0,92
91	0,63	6,30	0,50	30	1,05

CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

### L 1/4" 042 PE

Product <b>L</b> = Lubricator	Version = Standard <b>VL</b> = Vacuum filling <b>IL</b> = Min Level indicator <b>IM</b> = Max/Min Level indicator (Line 095 only)
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Bowl <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 042 1/4" | VL VACUUM FILLING LUBRICATORS

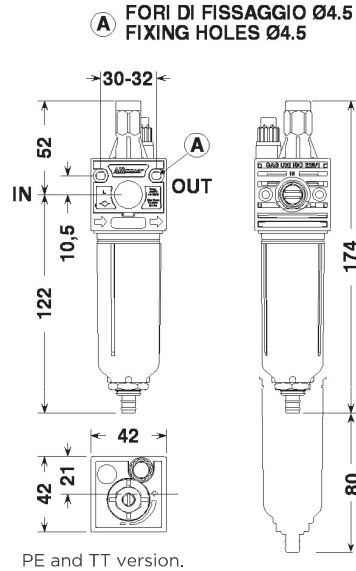
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Proportional oil mist lubricator with oil filling from an external tank without interrupting the operation of the system.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

It can be wall mounted through the holes prearranged on the body.

Closed bowl (without drain) made from hardened polyamide, available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

## GENERAL TECHNICAL DATA

<b>Maximum inlet pressure</b>	16 Bar
<b>Minimum working pressure</b>	4 Bar
<b>Bowl capacity</b>	TT= 42cc; PE=42cc
<b>Recommended oil viscosity</b>	ISO VG32
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	2.060 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Weight</b>	0,14 kg

Below 3°C the air of the circuit must be free from humidity

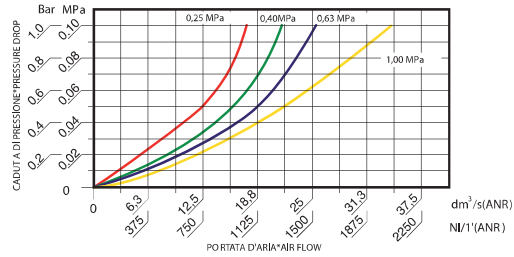
## ORDERING CODE

CODE	REF.
<b>042.03.00500</b>	L 1/4" 042 TT VL
<b>042.03.00501</b>	L 1/4" 042 PE VL

## MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm <sup>3</sup> /s (ANR)	NI/11 (ANR)	SCFM
36	0,25	2,50	0,36	22	0.77
58	0,40	4,00	0,43	26	0.92
91	0,63	6,30	0,50	30	1.05

## CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

### L 1/4" 042 PE

<b>Product</b> <b>L</b> = Lubricator	<b>Version</b> <b>Standard</b> <b>VL</b> = Vacuum filling <b>IL</b> = Min Level indicator <b>IM</b> = Max/Min Level indicator (Line 095 only)
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	<b>Bowl</b> <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	

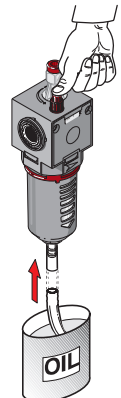
## FUNCTIONING VL

The oil filling is achieved by pressing and holding the button at the base of the lubricator body.

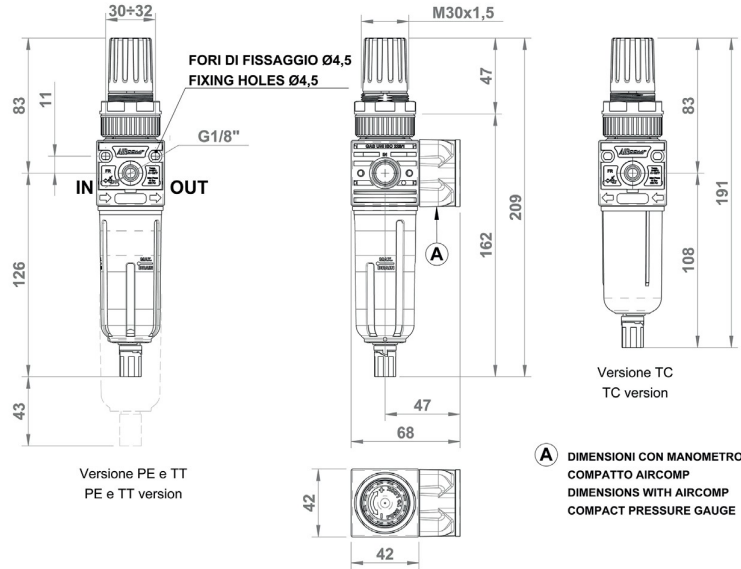
The "Venturi" system causes a vacuum inside the bowl and the related oil intake.

The oil filling is stopped only upon releasing the button. The oil level is visually checked during the filling.

Max. suction height : 1,5 m.



# LINE 042 1/4" | FILTER REGULATORS



## GENERAL FEATURES

High performance modular filter regulator ensuring big flow rate and low load loss.  
Relieving for a quick exhaust of the downstream overpressure.  
Knob with locking pressure device.  
Equipped with semiautomatic drain as standard (SS).

## GENERAL TECHNICAL DATA

<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Maximum inlet pressure</b>	16 Bar
<b>Drain working pressure</b>	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	1.200 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Max torque gauge port</b>	round: 1 Nm compact: manual
<b>Bowl capacity</b>	TT = 22cc; PE = 22cc; TC = 15cc
<b>Weight</b>	0,125 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
042.04.*****	FR 1/4" 042 20 08 R TT SS
042.04.00052	FR 1/4" 042 20 12 R TT SS
042.04.00113	FR 1/4" 042 5 08 R TT SS
042.04.00114	FR 1/4" 042 5 12 R TT SS
042.04.00133	FR 1/4" 042 20 08 R TC SS (short bowl)
042.04.00230	FR 1/4" 042 5 08 R TC SS (short bowl)
042.04.00072	FR 1/4" 042 20 08 R PE SS
042.04.00127	FR 1/4" 042 20 12 R PE SS
042.04.00129	FR 1/4" 042 5 08 R PE SS
042.04.00130	FR 1/4" 042 5 12 R PE SS
<b>Float type automatic drain version.</b>	
042.04.00151	FR 1/4" 042 20 08 R TT SA
042.04.00154	FR 1/4" 042 5 08 R TT SA
042.04.00157	FR 1/4" 042 20 08 R PE SA
042.04.00160	FR 1/4" 042 5 08 R PE SA
<b>"Differential" automatic drain version.</b>	
042.04.00238	FR 1/4" 042 20 08 R TT SAD
042.04.00240	FR 1/4" 042 5 08 R TT SAD
042.04.00242	FR 1/4" 042 20 08 R PE SAD
042.04.00244	FR 1/4" 042 5 08 R PE SAD

**FR 1/4" 042 20 08 R PE SS**

- Product**  
FR = Filter regulator
- Connection**  
1/4" = G 1/4"  
3/8" = G 3/8"  
1/2" = G 1/2"  
3/4" = G 3/4"  
1" = G 1"
- Line**  
042  
050  
052  
075  
080  
095
- Filtering element**  
5 = 5 micron  
20 = 20 micron
- Condensate Drain**  
SS = Semiautomatic (standard)  
SA = Automatic float type  
SAD = Automatic differential  
S18 = Open seat 1/8 F
- Tazza**  
TT = Transparent (Line 042 only)  
TC = Short transparent (Line 042 only)  
PE = With outer guard
- Version**  
R = Relieving
- Range of pressure**  
04 = 0 - 4 Bar  
08 = 0 - 8 Bar  
12 = 0 - 12 Bar



WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?  
Replace 0 with "M" the the 6th digit of the part nr. for example:

042.04.M0072 FR 1/4" 042 20 08 R PE SS + GAUGE

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 042 1/4" | 3-WAY VALVES WITH LOCK

AIR PREPARATION

VALVES

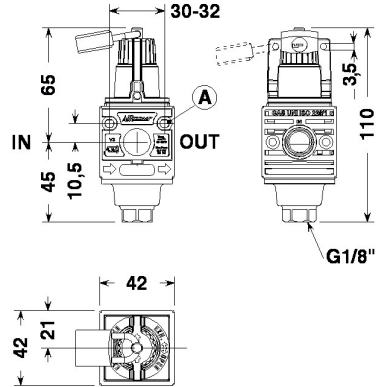
CYLINDERS

FITTINGS

WATER PREPARATION



**A FORI DI FISSAGGIO Ø4.5  
FIXING HOLES Ø4.5**



## GENERAL FEATURES

The job of the 3-way on-off valve is to shut off air supply and exhaust the pressure in the downstream circuit.  
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations with total safety, thus avoiding the system from being accidentally pressurized.  
The valve is equipped with nr. 1 lock and nr. 2 keys.

## GENERAL TECHNICAL DATA

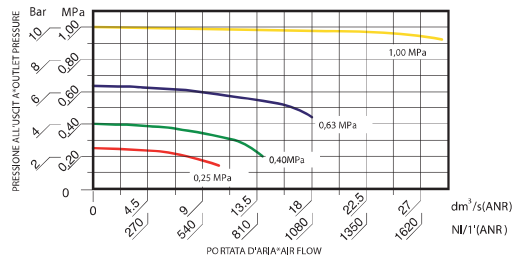
<b>INLET-OUTLET connections</b>	G1/4"
<b>Exhaust connection</b>	G1/8"
<b>Maximum inlet pressure</b>	16 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	1.570 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Weight</b>	0,155 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>042.25.00001</b>	V 1/4" 042 V 3

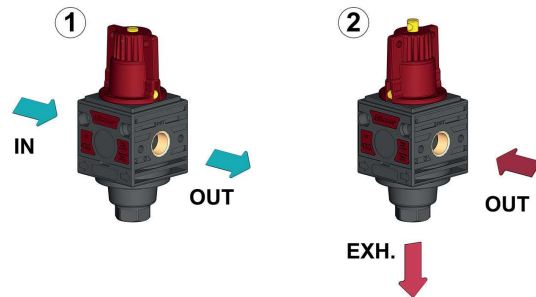
CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

**V 1/4" 042 3V**

Product <b>V</b> = 3 way Valve	Functioning <b>3V</b> = 3 Way
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4"	Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b>



1. with OPEN VALVE

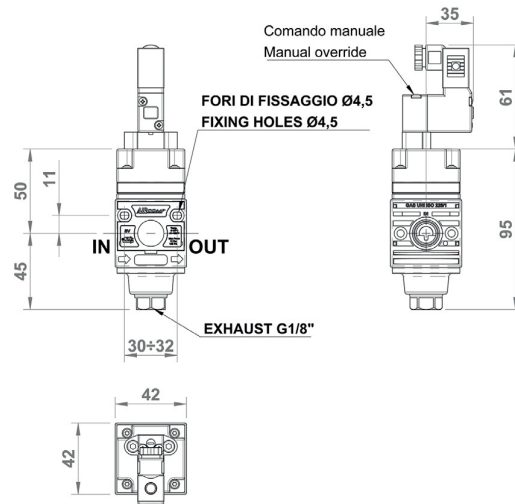
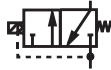
2. with CLOSED VALVE

IN and OUT are in communication for an open air flow

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.



# LINE 042 1/4" | ELECTRICAL SHUT-OFF VALVES PILOT 15MM



## GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.  
The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control console.  
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G1/4"
<b>Exhaust connection</b>	G1/8"
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	1.570 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Electric pilot</b>	3/2 NC 15 mm (Microsol type)
<b>Available voltage</b>	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
<b>Weight</b>	0,20 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING PART NR. COMPLETE UNIT

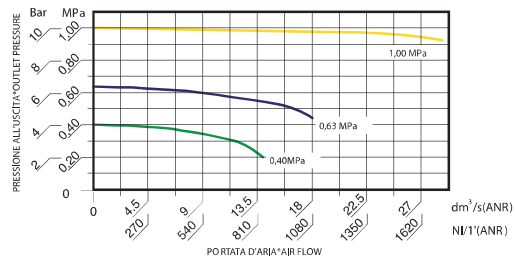


CODE	REF.
042.26.00102	SV 1/4 042 15MM 12V DC
042.26.00202	SV 1/4 042 15MM 24V DC
042.26.00602	SV 1/4 042 15MM 24V AC
042.26.00702	SV 1/4 042 15MM 110V AC
042.26.00802	SV 1/4 042 15MM 220V AC

## ORDERING PART NR. SEPARATE COMPONENTS

CODE	REF.
C50.26.00002	KIT C. ELECTR. 3/2 NC 2,5W 24V DC
C50.26.00003	KIT C. ELECTR. 3/2 NC 3 VA 24V AC
C50.26.00004	KIT C. ELECTR. 3/2 NC 3 VA 110V AC
C50.26.00005	KIT C. ELECTR. 3/2 NC 3 VA 220V AC
042.26.00002	SV 1/4" 042 PRED. C. ELECTR. MICRO SOL/PNEUM

CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

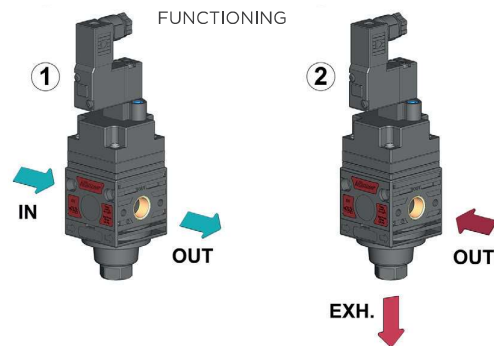
Product  
SV = Shut-off valve

Connection  
1/4" = G 1/4"  
3/8" = G 3/8"  
1/2" = G 1/2"  
3/4" = G 3/4"

Line  
042  
050  
052  
075  
080

Voltage  
12 VDC  
24 VDC  
24 VAC  
110 VAC  
220 AC

Version  
15MM = Solenoid pilot 15 mm  
CNOM = Electric controlC-NOMO  
PNEU = Pneumatic



1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

# LINE 042 1/4" | ELECTRICAL SHUT-OFF VALVES CNOMO

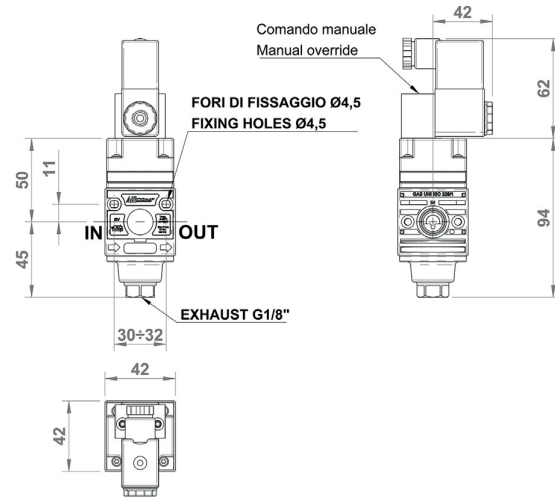
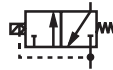
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit. The electrical model is often connected to ON-OFF switches or emergency mushrooms present on the control console. Application: it can be used singularly, or more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G1/4"
<b>Exhaust connection</b>	G1/8"
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	1.570 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Electric pilot</b>	3/2 NC (tipo CNOMO) for coil 22mm
<b>Available voltage</b>	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
<b>Weight</b>	0,28 kg

Below 3°C the air of the circuit must be free from humidity

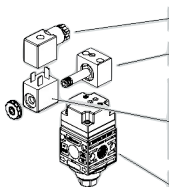
## ORDERING PART NR. COMPLETE UNIT

CODE	REF.
042.26.00101	SV 1/4 042 CNOM 12V DC
042.26.00201	SV 1/4 042 CNOM 24V DC
042.26.00601	SV 1/4 042 CNOM 24V AC
042.26.00701	SV 1/4 042 CNOM 110V AC
042.26.00801	SV 1/4 042 CNOM 220V AC

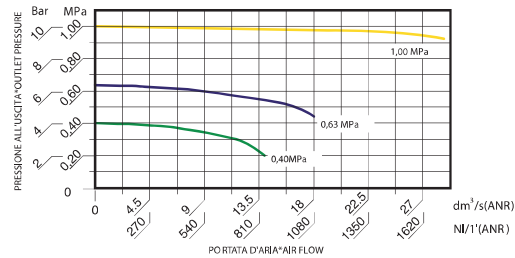


## ORDERING PART NR. SEPARATE COMPONENTS

CODE	REF.
A50.26.00010	CONNETTORE
C40.26.00011	C. ELECTR. EV 3/2 NC CNOMO
A50.26.00006	SOL. 3W 24V DC
A50.26.00007	SOL. 5VA 24V AC
A50.26.00008	SOL. 5VA 110V AC
A50.26.00009	SOL. 5VA 220V AC
042.26.00001	SV 1/4" 042 PRED. C. ELECTR. CNOMO



## CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

### SV 1/4" 042 15MM 24VDC

Product  
SV = Shut-off valve

Connection  
1/4" = G 1/4"  
3/8" = G 3/8"  
1/2" = G 1/2"  
3/4" = G 3/4"

Line  
042  
050  
052  
075  
080

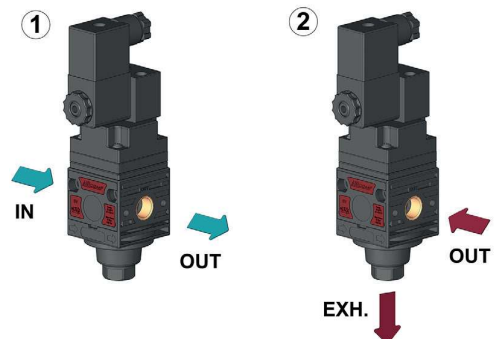
Voltage

12 VDC  
24 VDC  
24 VAC  
110 VAC  
220 AC

Version

15MM = Solenoid pilot 15 mm  
CNOM = Electric control-C-NOMO  
PNEU = Pneumatic

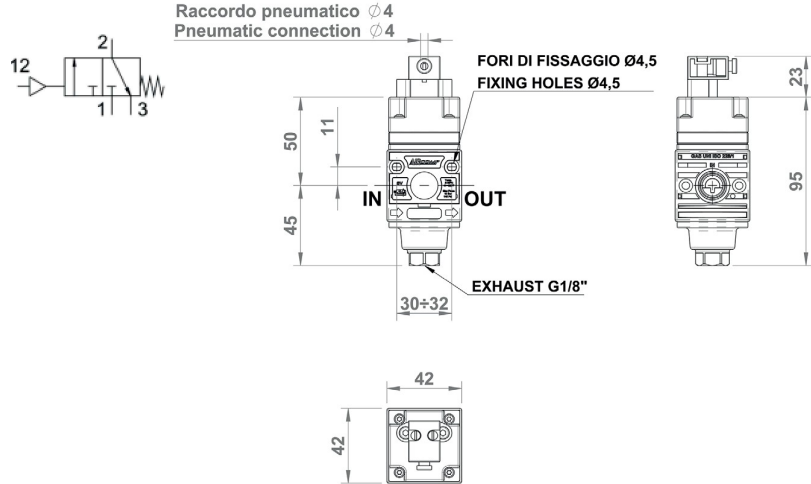
## FUNCTIONING



1. with actuated pilot, the SV is open (IN-OUT communication)

2. with piloting not under pressure, the SV is closed / OUT exhausting

# LINE 042 1/4" | PNEUMATIC SHUT-OFF VALVES



## GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit. The pneumatic model is often connected to mushrooms actuators present on the control console. Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for depressurizing the circuit.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G1/4"
<b>Exhaust connection</b>	G1/8"
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	1.570 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Pneumatic connection</b>	push-in fitting D. 4mm
<b>Weight</b>	0,189 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING PART NR. COMPLETE UNIT

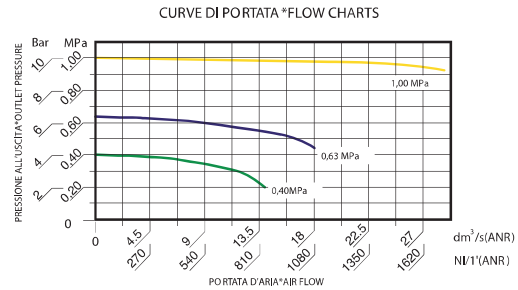


CODE	REF.
<b>042.26.00902</b>	SV 1/4 042 PNEUMATIC

## ORDERING PART NR. SEPARATE COMPONENTS



CODE	REF.
<b>C40.26.00014</b>	PNEUMATIC CONTROL KIT
<b>042.26.00002</b>	SV VALVE BODY PRESET 15mm/PNEU

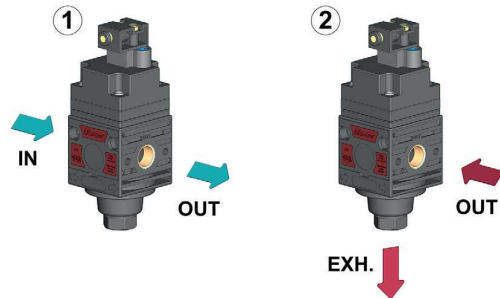


## GUIDE TO REFERENCES

### SV 1/4" 042 15MM 24VDC

<b>Product</b> <b>SV</b> = Shut-off valve	<b>Voltage</b> <b>12 VDC</b> <b>24 VDC</b> <b>24 VAC</b> <b>110 VAC</b> <b>220 AC</b>
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4"	<b>Version</b> <b>15MM</b> = Electric control 15 mm <b>CNOM</b> = Electric control C-NOMO <b>PNEU</b> = Pneumatic
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b>	

## FUNCTIONING



1. with piloting under pressure, the SV is open (IN-OUT communication)

2. with piloting not under pressure, the SV is closed (IN closed / OUT exhausting)

AIR PREPARATION

VALVES

CYLINDERS

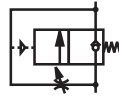
FITTINGS

WATER PREPARATION

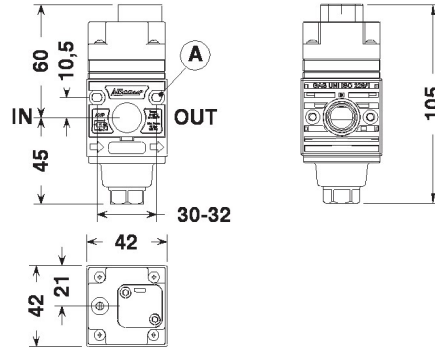
# LINE 042 1/4" | SLOW-START VALVES

AIR PREPARATION

VALVES



**A FORI DI FISSAGGIO Ø4.5  
FIXING HOLES Ø4.5**



## GENERAL FEATURES

The job of the slow-start valve is to gradually pressurize the pneumatic system upon switching it on. The gradual pressurization takes place until about 60% of the supply pressure is reached. The pressurization time can be adjusted through the speed controller positioned in the upper part of the body. Application: it can be singularly used, or, more commonly, assembled with the shut-off valve. The AVP avoids any dangerous pressure surge, that may be caused by quickly supplying the system to the working pressure.

CYLINDERS

FITTINGS

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G1/4"
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	1.570 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Weight</b>	0,136 kg

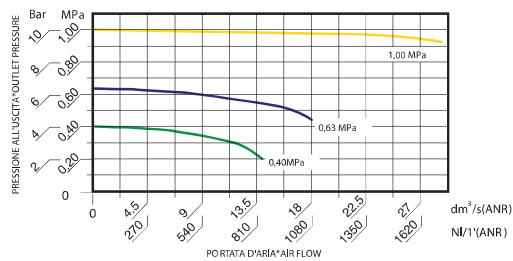
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>042.27.00001</b>	AVP 1/4" 042 PN Autonom.

WATER PREPARATION

CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

**AVP 1/4" 042 PN**

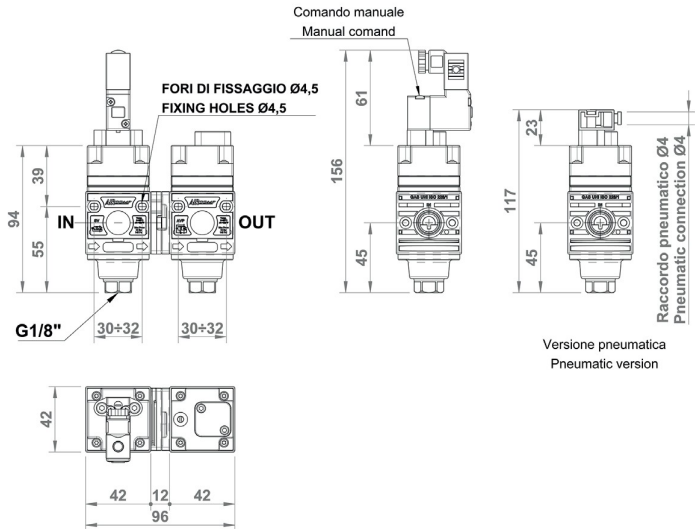
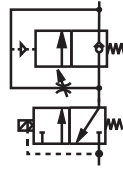
Product  
**AVP** = Slow-start valve

Functioning  
**PN** = Pneumatic

Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"

Line  
**042**  
**050**  
**052**  
**075**  
**080**

# LINE 042 1/4" | SHUT-OFF/SLOW START COMBINATIONS



## GENERAL FEATURES

SVAV is a set consisting of shut-off valve (SV) and slow-start valve (AVP), assembled and equipped with electric or pneumatic control.

This complete unit, combines the functions of exhausting the pneumatic circuit and cutting-off air supply (SV) with the progressive pressurization provided by the slow-start valve (AVP).

The valves are available with electric control in different voltages or with pneumatic control.

The proposed set is ready to be subsequently assembled with other Aircomp modules, or singularly mounted.

For further information about SV and AVP, please refer to the respective datasheets.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G1/4"
<b>Exhaust connection</b>	G1/8"
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	1.570 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Electric pilot</b>	3/2 NC 15 mm (Microsol type)
<b>Available voltage</b>	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
<b>Pneumatic connection</b>	push-in fitting D. 4mm
<b>SVAV E Weight</b>	0,365 kg
<b>SVAV P Weight</b>	0,325 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING PART NR. ELECTRIC VERSION

CODE	REF.
<b>042.28.00001</b>	SVAV 1/4 042 E 24V DC
<b>042.28.00002</b>	SVAV 1/4 042 E 24V AC
<b>042.28.00003</b>	SVAV 1/4 042 E 110V AC
<b>042.28.00004</b>	SVAV 1/4 042 E 220V AC

## ORDERING PART NR. PNEUMATIC VERSION

CODE	REF.
<b>042.28.00005</b>	SVAV 1/4 042 P Ø4

## GUIDE TO REFERENCES

### SVAV 1/4" 042 E 24VDC

Product <b>SVAV = SV+AVP</b>	Special type <b>24VDC</b> <b>24VAC</b> <b>110VAC</b> <b>220VAC</b>
Connection <b>1/4" = G1/4"</b>	
Line <b>042</b>	Version <b>E = Electric</b> <b>P = Pneumatic</b>

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 042 1/4" | FR+L UNITS

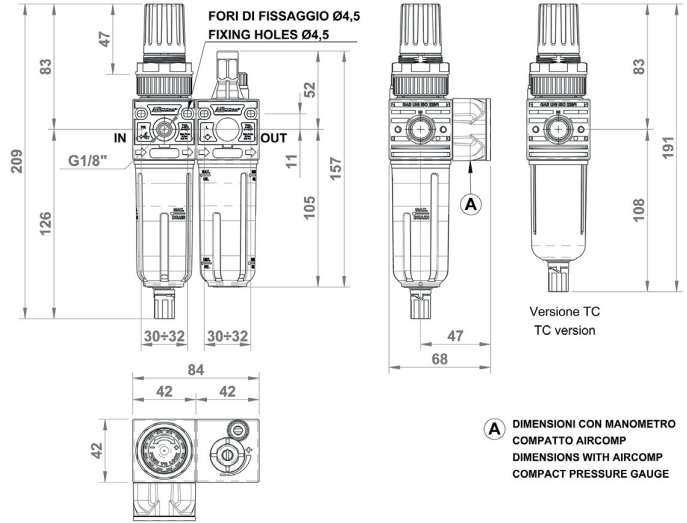
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



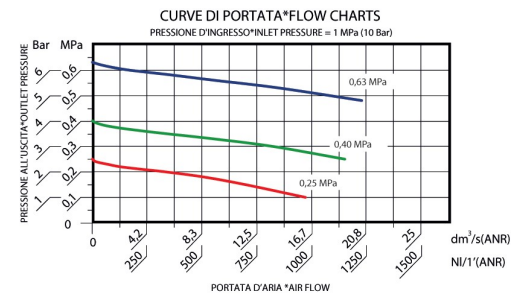
**A** DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP  
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

**GENERAL FEATURES**  
Unit consisting of Filter regulator and Lubricator.

GENERAL TECHNICAL DATA	
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Maximum inlet pressure</b>	16 Bar
<b>Drain working pressure</b>	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	980 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Max torque gauge port</b>	<b>round:</b> 1 Nm <b>compact:</b> manual
<b>Weight</b>	0,32 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE	
CODE	REF.
042.06.*****	FR+L 1/4" 042 20 08 R TT SS
042.06.00052	FR+L 1/4" 042 20 12 R TT SS
042.06.00115	FR+L 1/4" 042 5 08 R TT SS
042.06.00116	FR+L 1/4" 042 5 12 R TT SS
042.06.00124	FR+L 1/4" 042 20 08 R TC SS
042.06.00132	FR+L 1/4" 042 20 12 R TC SS
042.06.00133	FR+L 1/4" 042 5 08 R TC SS
042.06.00134	FR+L 1/4" 042 5 12 R TC SS
042.06.00500	FR+L 1/4" 042 20 08 R TT SS VL
042.06.00504	FR+L 1/4" 042 20 12 R TT SS VL
042.06.00072	FR+L 1/4" 042 20 08 R PE SS
042.06.00126	FR+L 1/4" 042 20 12 R PE SS
042.06.00128	FR+L 1/4" 042 5 08 R PE SS
042.06.00129	FR+L 1/4" 042 5 12 R PE SS
042.06.00193	FR+L 1/4" 042 20 08 R PE SS VL
042.06.00194	FR+L 1/4" 042 20 12 R PE SS VL
<b>Float type automatic drain version.</b>	
042.06.00151	FR+L 1/4" 042 20 08 R TT SA
042.06.00153	FR+L 1/4" 042 20 12 R TT SA
042.06.00157	FR+L 1/4" 042 20 08 R PE SA
042.06.00159	FR+L 1/4" 042 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
042.06.00191	FR+L 1/4" 042 20 08 R TT SAD
042.06.00192	FR+L 1/4" 042 20 12 R TT SAD
042.06.00501	FR+L 1/4" 042 20 08 R PE SAD
042.06.00505	FR+L 1/4" 042 20 12 R PE SAD



**GUIDE TO REFERENCES**

FR+L 1/4" 042 20 08 R PE SS

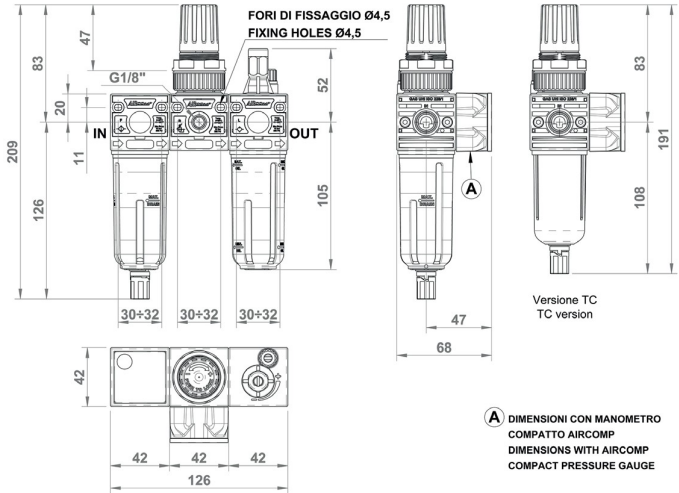
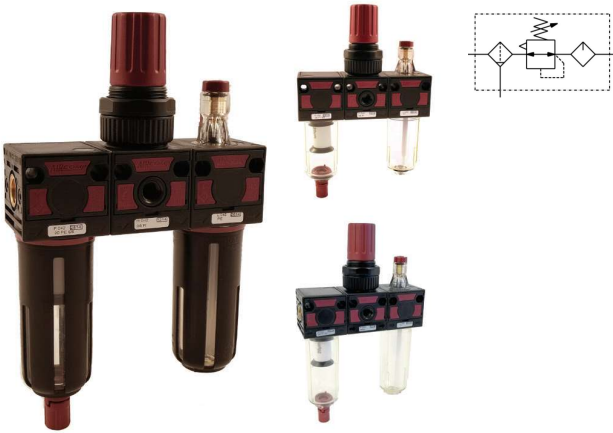
<b>Product</b> <b>FR+L</b> = Filter regulator + Lubricator	<b>Condensate Drain</b> <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	<b>Bowl</b> <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	<b>Version</b> <b>R</b> = Relieving
<b>Filtering element</b> <b>5</b> = 5 micron <b>20</b> = 20 micron	<b>Range of pressure</b> <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar



**WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?**  
Replace 0 with "M" the the 6th digit of the part nr. for example:

042.06.M0072 FR+L 1/4" 042 20 08R PE SS + GAUGE

# LINE 042 1/4" | F + R + L UNITS



## GENERAL FEATURES

Unit consisting of Filter + Regulator + Lubricator.  
It combines the functions of filtration, pressure regulation and lubrication of compressed air for industrial applications.  
Set delivering big flow rate and regulation sensitivity, filtration with high condensate separation.  
It is equipped with semiautomatic drain as standard (SS).

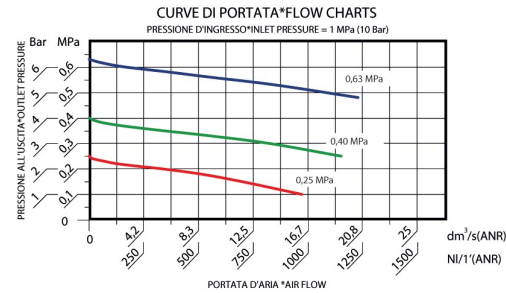
## GENERAL TECHNICAL DATA

<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Maximum inlet pressure</b>	16 Bar
<b>Drain working pressure</b>	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	980 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Max torque gauge port</b>	<b>round:</b> 1 Nm <b>compact:</b> manual
<b>Weight</b>	0,35 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
42.05.*****	F+R+L 1/4" 042 20 08 R TT SS
042.05.00103	F+R+L 1/4" 042 20 12 R TT SS
042.05.00105	F+R+L 1/4" 042 5 08 R TT SS
042.05.00170	F+R+L 1/4" 042 20 08 R TC SS
042.05.00172	F+R+L 1/4" 042 5 08 R TC SS
042.05.00500	F+R+L 1/4" 042 20 08 R TT SS VL
042.05.00504	F+R+L 1/4" 042 20 12 R TT SS VL
042.05.00118	F+R+L 1/4" 042 20 08 R PE SS
042.05.00114	F+R+L 1/4" 042 20 12 R PE SS
042.05.00116	F+R+L 1/4" 042 5 08 R PE SS
042.05.00117	F+R+L 1/4" 042 5 12 R PE SS
042.05.00501	F+R+L 1/4" 042 20 08 R PE SS VL
<b>Float type automatic drain version.</b>	
042.05.00151	F+R+L 1/4" 042 20 08 R TT SA
042.05.00157	F+R+L 1/4" 042 20 08 R PE SA
<b>"Differential" automatic drain version.</b>	
042.05.00166	F+R+L 1/4" 042 20 08 R TT SAD
042.05.00168	F+R+L 1/4" 042 20 08 R PE SAD



## GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

<b>Product</b> <b>F+R+L</b> = Filter + Regulator + Lubricator	<b>Condensate Drain</b> <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	<b>Tazza</b> <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	<b>Version</b> <b>R</b> = Relieving
<b>Filtering element</b> <b>5</b> = 5 micron <b>20</b> = 20 micron	<b>Range of pressure</b> <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar



**WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?**  
Replace 0 with "M" the the 6th digit of the part nr. for example:

042.05.M0118 F+R+L 1/4" 042 20 08R PE SS + GAUGE

AIR PREPARATION

VALVES

CYLINDERS

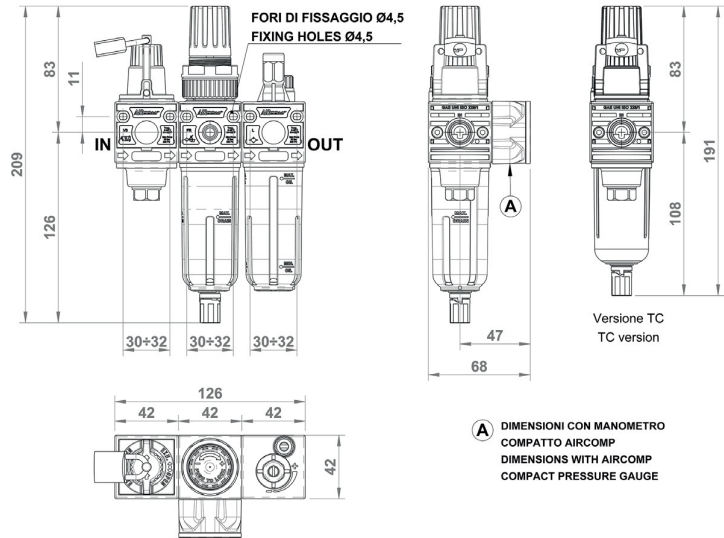
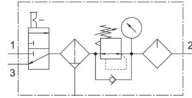
FITTINGS

WATER PREPARATION

# LINE 042 1/4" | V3 + FR + L UNITS

AIR PREPARATION

VALVES



**A** DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP  
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

CYLINDERS

## GENERAL FEATURES

Unit consisting of 3-way Valve (V3) + Filter regulator (FR) + Lubricator (L).

It combines the function of shutting-off the system along with the filtration, pressure regulation and lubrication of compressed air for industrial applications.

Lockable V3 valve for greater safety during maintenance operations.

It is equipped with semiautomatic drain as standard (SS).

FITTINGS

## GENERAL TECHNICAL DATA

<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Maximum inlet pressure</b>	16 Bar
<b>Drain working pressure</b>	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	980 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Max torque gauge port</b>	round: 1 Nm compact: manual
<b>Weight</b>	0,464 kg

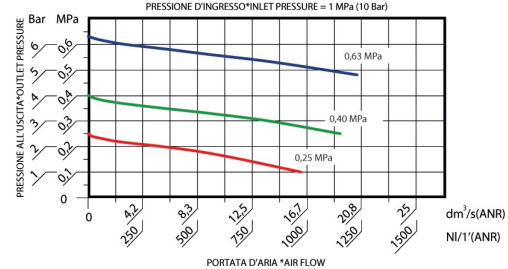
Below 3°C the air of the circuit must be free from humidity

WATER PREPARATION

## ORDERING CODE

CODE	REF.
042.36.*****	V3+FR+L 1/4" 042 20 08 R TT SS
042.36.00115	V3+FR+L 1/4" 042 5 08 R TT SS
042.36.00130	V3+FR+L 1/4" 042 20 08 R TC SS
042.36.00132	V3+FR+L 1/4" 042 5 08 R TC SS
042.36.00500	V3+FR+L 1/4" 042 20 08 R TT SS VL
042.36.00072	V3+FR+L 1/4" 042 20 08 R PE SS
042.36.00126	V3+FR+L 1/4" 042 20 12 R PE SS
042.36.00128	V3+FR+L 1/4" 042 5 08 R PE SS
042.36.00501	V3+FR+L 1/4" 042 20 08 R PE SS VL
<b>Float type automatic drain version.</b>	
042.36.00151	V3+FR+L 1/4" 042 20 08 R TT SA
042.36.00153	V3+FR+L 1/4" 042 20 12 R TT SA
042.36.00157	V3+FR+L 1/4" 042 20 08 R PE SA
<b>"Differential" automatic drain version.</b>	
042.36.00191	V3+FR+L 1/4" 042 20 08 R TT SAD
042.36.00193	V3+FR+L 1/4" 042 20 08 R PE SAD

## CURVE DI PORTATA\*FLOW CHARTS



## GUIDE TO REFERENCES

V3+FR+L 1/4" 042 20 08 R PE SS

<b>Product</b> <b>V3+FR+L</b> = V3 + Filter regulator + Lubricator	<b>Condensate Drain</b> <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	<b>Tazza</b> <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	<b>Version</b> <b>R</b> = Relieving
<b>Filtering element</b> <b>5</b> = 5 micron <b>20</b> = 20 micron	<b>Range of pressure</b> <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar



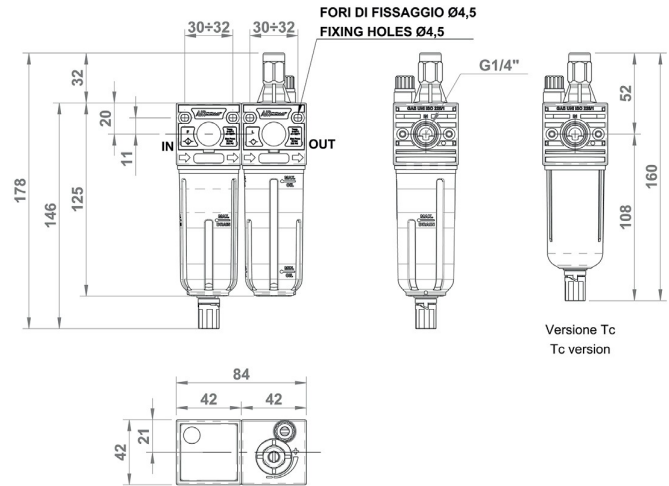
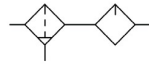
WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace O with "M" the the 6th digit of the part nr. for example:

042.36.M0072 V3+FR+L 1/4" 042 20 08 R PE SS + GAUGE



# LINE 042 1/4" | F + L UNITS



## GENERAL FEATURES

Unit consisting of Filter and Lubricator.  
It combines the functions of filtration and lubrication of compressed air for industrial applications.  
Proportional oil mist lubricator ensuring a constant oil delivery over time.  
Bowl made from hardened polyamide available in following configurations:  
TT = transparent; PE = outer guard; TC= short transparent.

## GENERAL TECHNICAL DATA

<b>Maximum inlet pressure</b>	16 Bar
<b>Drain working pressure</b>	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	1.250 Nl/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Recommended oil viscosity</b>	ISO VG32
<b>Weight</b>	0,207 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
042.07.*****	F+L 1/4" 042 20 TT SS
042.07.00132	F+L 1/4" 042 20 TC SS
042.07.00500	F+L 1/4" 042 20 TT SS VL
042.07.00072	F+L 1/4" 042 20 PE SS
<b>Float type automatic drain version.</b>	
042.07.00151	F+L 1/4" 042 20 TT SA
042.07.00153	F+L 1/4" 042 20 PE SA
<b>"Differential" automatic drain version.</b>	
042.07.00128	F+L 1/4" 042 20 TT SAD
042.07.00129	F+L 1/4" 042 5 TT SAD
042.07.00130	F+L 1/4" 042 20 PE SAD
042.07.00131	F+L 1/4" 042 5 PE SAD

## GUIDE TO REFERENCES

F + L 1/4" 042 20 PE SS

Product	F+L = Filter + Lubricator
Connection	1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"
Line	042 050 052 075 080 095
Condensate Drain	SS = Semiautomatic (standard) SA = Automatic float type SAD = Automatic differential S18 = Open seat 1/8 F
Bowl	TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
Filtering element	5 = 5 micron 20 = 20 micron

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 042 1/4" | F + MF UNITS

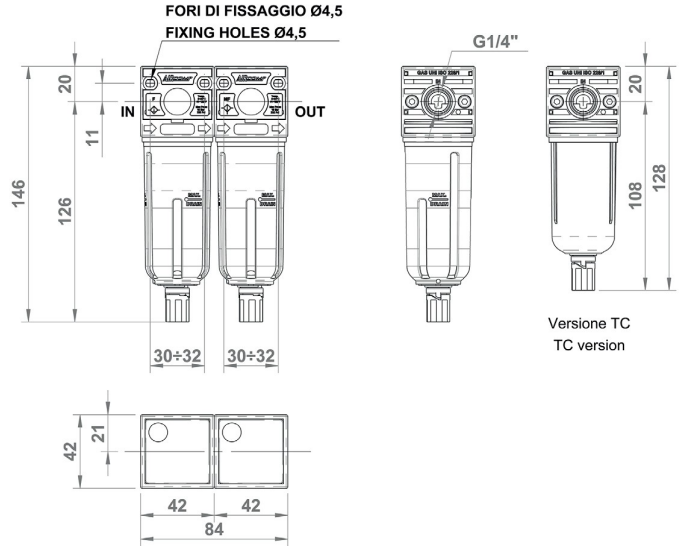
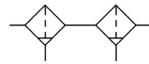
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Filtration set combining Filter with high condensate separation and coalescing Microfilter.  
 The job of the Filter is filtering solid particles and condensate separation. The job of the coalescing Microfilter is to remove oil. It is equipped with semiautomatic drain as standard (SS). Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.  
 Bowl made from hardened polyamide available in following configurations:  
 TT = transparent; PE = outer guard; TC= short transparent.

## GENERAL TECHNICAL DATA

<b>Maximum inlet pressure</b>	16 Bar
<b>Drain working pressure</b>	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
<b>Filtering degree Filter</b>	5 micron
<b>Filtering degree Microfilter</b>	0,01 micron
<b>Recommended max flow rate (P1= 10 bar ΔP= 1 bar)</b>	180 Nl/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Bowl capacity</b>	TT = 22cc; PE = 22cc; TC = 15cc
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Weight</b>	0,22 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>042.09.00001</b>	F 1/4" 042 5 TT SS+MF 1/4" 0,01 TT SS
<b>042.09.00003</b>	F 1/4" 042 5 PE SS+MF 1/4" 0,01 PE SS
<b>042.09.00005</b>	F 1/4" 042 5 TC SS+MF 1/4" 0,01 TC SS
<b>Float type automatic drain version.</b>	
<b>042.09.00002</b>	F 1/4" 042 5 TT SS+MF 1/4" 0,01 TT SA
<b>042.09.00004</b>	F 1/4" 042 5 PE SS+MF 1/4" 0,01 PE SA
<b>"Differential" automatic drain version.</b>	
<b>042.09.00008</b>	F 1/4" 042 5 TT SS+MF 1/4" 0,01 TT SAD
<b>042.09.00006</b>	F 1/4" 042 5 PE SS+MF 1/4" 0,01 PE SAD

## GUIDE TO REFERENCES

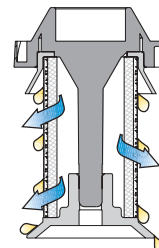
**F 1/4" 042 5 PE SS +**  
**MF 1/4" 042 0,01 TT SS**

<b>Product</b> <b>F</b> = Filter + Microfilter <b>MF</b> = Microfilter <b>CF</b> = Activated carbon	<b>Condensate Drain</b> <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4"	<b>Bowl</b> <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b>	<b>Filtering element</b> <b>5</b> = 5 micron <b>20</b> = 20 micron <b>0,01</b> = 0,01 micron

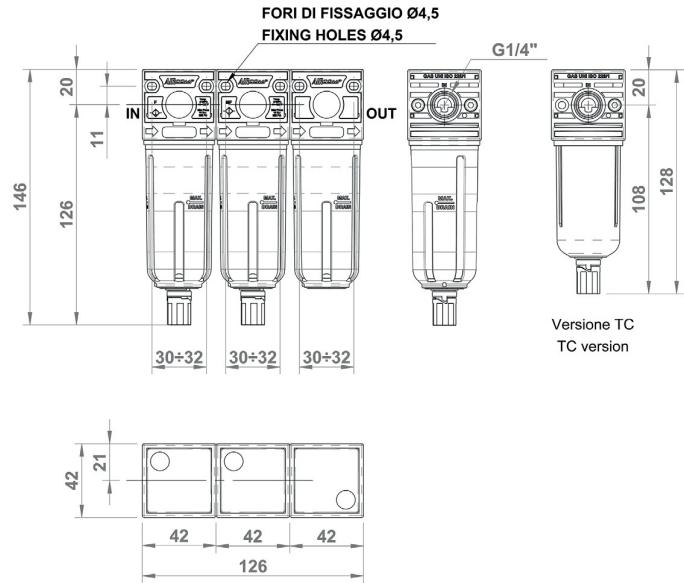
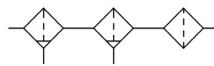
## COALESCENT CARTRIDGE

### FUNCTIONING

The air with impurity enter into the special high efficiency cartridge, which stops solid particles, captures and joins outside the oil particles (coalescing effect), so that they can easily fall to the bottom of the bowl and be drained outside. In doing so, the filtered air will be free from solid impurities and liquid particles.



# LINE 042 1/4" | F + MF + CF UNITS



## GENERAL FEATURES

Filtration set combining Filter with high condensate separation, coalescing Microfilter and activated carbon Filter. The job of the unit is to filter solid particles and separate condensate with the Filter along with the coalescing function of the Microfilter, besides removing unpleasant smells in the air circuit aimed at the industrial sector by means of the activated carbon. It is equipped with semiautomatic drain as standard (SS). Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized. Bowl made from hardened polyamide available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

## GENERAL TECHNICAL DATA

<b>Maximum inlet pressure</b>	16 Bar
<b>Drain working pressure</b>	mod. SS: 0,5 - 16 Bar mod. SA: 1,5 - 10 Bar mod. SAD: 2 - 12 Bar
<b>Filtering degree Filter</b>	5 micron
<b>Filtering degree Microfilter</b>	0,01 micron
<b>Activated carbon cartridge CF</b>	
<b>Recommended max flow rate (P1= 10 bar ΔP= 1 bar)</b>	180 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Bowl capacity</b>	TT = 22cc; PE = 22cc; TC = 15cc
<b>Max Torque G1/4" IN-OUT</b>	25 Nm
<b>Weight</b>	0,33 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
042.08.00001	F 5 TT SS+MF 0,01 TTSS+CF TT 1/4 042
042.08.00002	F 5 TT SS+MF 0,01 TTSA+CF TT 1/4 042
042.08.00003	F 5 TT SS+MF 0,01 PESS+CF PE 1/4 042
042.08.00004	F 5 TT SS+MF 0,01PESA+CF PE 1/4 042

FORI DI FISSAGGIO Ø4,5  
FIXING HOLES Ø4,5

G1/4"

IN OUT  
30x32 30x32 30x32

Versione TC  
TC version

## GUIDE TO REFERENCES

**F 1/4" 042 5 PE SS +**  
**MF 1/4" 042 0,01 PE SS +**  
**CF 1/4" 042 CA PE**

### Product

**F** = Filter + Microfilter  
**MF** = Microfilter  
**CF** = Activated carbon

### Connection

**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"

### Line

**042**  
**050**  
**052**  
**075**  
**080**

### Condensate Drain

**SS** = Semiautomatic (standard)  
**SA** = Automatic float type  
**SAD** = Automatic differential  
**S18** = Open seat 1/8 F

### Bowl

**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

### Filtering element

**5** = 5 micron  
**20** = 20 micron  
**0,01** = 0,01 micron  
**CA** = Activated carbon

AIR PREPARATION

VALVES

CYLINDERS

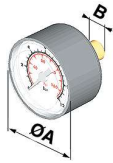
FITTINGS

WATER PREPARATION

# LINE 042 1/4" | ACCESSORIES

AIR PREPARATION

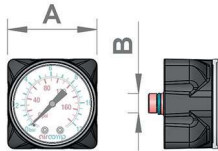
## GAUGE



CODE	Bar	Psi	A	B	CH.
<b>A38.00.00026</b>	0-12	0-175	40	G1/8"	14
<b>A38.00.00055</b>	0-6	0-85	40	G1/8"	12
<b>A38.00.00114</b>	0-2,5	0-36	40	G1/8"	12

VALVES

## COMPACT GAUGE



CODE	Bar	Psi	A	B
<b>A42.01.00021</b>	0-12	0-175	40	G1/8"

CYLINDERS

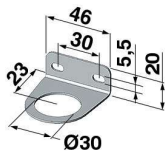
## PLUG G1/8"



CODE	CONNECTION
<b>B38.00.00018</b>	G1/8"
<b>A42.01.00010</b>	G1/4" (air takeoff)

FITTINGS

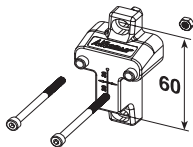
## BRACKET



CODE	PRODUCT
<b>C38.00.00069</b>	MR-R-FR

WATER PREPARATION

## "T" BRACKET KIT



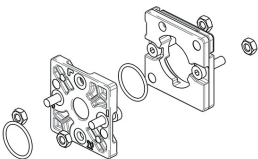
CODE	PRODUCT
<b>C42.05.00001</b>	ALL

## KIT ASSEMBLING UNITS



CODE	PRODUCT
<b>C40.06.00001</b>	FR+L
	F+MF+CF

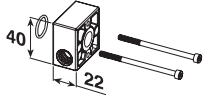
## SLIM KIT FOR BATTERY ASSEMBLING



CODE	PRODUCT
<b>C42.06.00007</b>	ALL

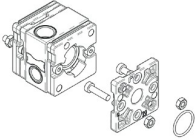
# LINE 042 1/4" | ACCESSORIES

## AIR TAKE-OFF FOR UNITS



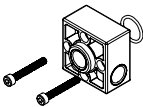
CODE	CONNECTION	PRODUCT
<b>C40.05.00108</b>	1/4"	F+R+L - FR+L
		V3+FR+L - F+L - F+MF
<b>C40.05.00103</b>	2 WAYS (1/4"-1/8")	F+R+L - FR+L
		V3+FR+L - F+L - F+MF

## BATTERY AIR TAKE-OFF



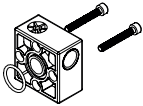
CODE	CONNECTION	PRODUCT
<b>C42.05.00018</b>	1/4 - 1/8	ALL

## INLET AIR TAKE-OFF



CODE	CONNECTION	PRODUCT
<b>C42.06.00002</b>	G1/4" - G1/4"	ALL

## OUTLET AIR TAKE-OFF



CODE	CONNECTION	PRODUCT
<b>C42.06.00003</b>	G1/4" - G1/4"	ALL

## AUTOMATIC DRAIN



CODE	PROD.
<b>C40.02.00130 SA</b>	F - FR - MF
<b>C42.02.00012 SAD</b>	F - FR - MF

## MOUNTING KIT FOR AUTOMATIC DRAIN



CODE	PROD.
<b>C40.02.00131</b>	SA - SAD

## PRESSURE SWITCH



CODE	REF.
<b>A50.06.00005</b>	AP1 - 3-02-03-G

For further information about pressure switch or air take-off with pressure switch, please see page. 1.138

AIR PREPARATION

VALVES

CYLINDERS

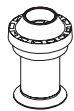
FITTINGS

WATER PREPARATION

# LINE 042 1/4" | SPARE PARTS

AIR PREPARATION

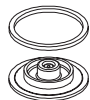
## FILTERING ELEMENT



CODE	PRODUCT	VERSION
<b>C40.02.00101</b>	F	20 MICRON
<b>C42.04.00001</b>	FR	20 MICRON
<b>C40.02.00106</b>	F	5 MICRON
<b>C42.04.00005</b>	FR	5 MICRON
<b>C40.02.00053</b>	MF	0,01 MICRON
<b>A42.02.00009</b>	CF	CARBON

VALVES

## DIAPHRAGM KIT



CODE	PRODUCT	VERSION
<b>C39.00.00074</b>	R - FR	RELIEVING
<b>C39.00.00075</b>	R - FR	NON RELIEVING
<b>C39.00.00076</b>	R - FR	FA-RM

CYLINDERS

## REGULATION SPRING



CODE	PRODUCT	RANGE OF PRESSURE
<b>A38.00.00131</b>	F - FR - MF	0-4 Bar
<b>A38.00.00130</b>	F - FR - MF	0-8 Bar
<b>A38.00.00129</b>	F - FR - MF	0-10 Bar
<b>A38.00.00128</b>	F - FR - MF	0-12 Bar

FITTINGS

## BOWL FOR FILTER



CODE	PRODUCT	VERSION
<b>C40.02.00062</b>	F - FR - MF	TT SS
<b>C40.02.00108</b>	F - FR - MF	PE SS
<b>C40.02.00036</b>	F - FR - MF	TC SS

WATER PREPARATION

## BOWL WITH AUTOMATIC DRAIN



CODE	PRODUCT	VERSION
<b>C40.02.00133</b>	F - FR - MF	TT SA
<b>C40.02.00134</b>	F - FR - MF	PE SA
<b>C42.02.00017</b>	F - FR - MF	TC SAD
<b>C42.02.00014</b>	F - FR - MF	PE SAD

## BOWL FOR LUBRICATOR



CODE	PRODUCT	VERSION
<b>C40.03.00082</b>	L	TT
<b>C40.03.00084</b>	L	PE
<b>C40.03.01016</b>	VL	TT
<b>C40.03.01017</b>	VL	PE
<b>C40.03.00047</b>	L	TC

## OIL WINDOW



CODE	PRODUCT
<b>C42.03.00005</b>	L

## OIL PLUG WITH OR 2031



CODE	PRODUCT
<b>C75.03.00073</b>	L

# LINE 042 1/4" | SPECIAL VERSIONS

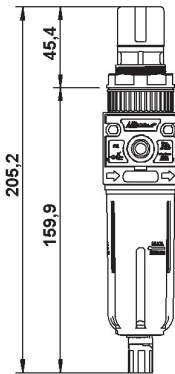
AIR PREPARATION

VALVES

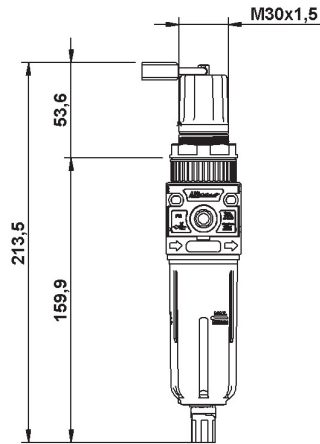
CYLINDERS

FITTINGS

WATER PREPARATION



Temper proof version



Lockable Version

## PRESET FR

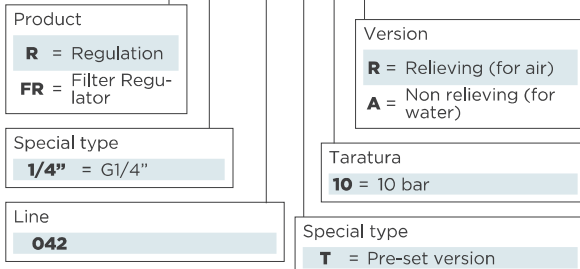
- \* Regulators and Filter regulator Line 042 can be supplied fixed preset at the pressure value required by the customer.
- \* This version allows purchasing a regulator featuring an outlet pressure preset at a fixed value, equipped with a tamper-proof knob rather than the normal regulation knob.
- \* The preset pressure value cannot be changed. In order to modify the outlet pressure value, it is necessary to break the tamper-proof knob.
- \* For further information concerning the tolerances on the outlet pressure, please contact our Sales Dept.

## LOCKABLE FR

- \* Regulator and Filter regulator Line 042 are available in the version with lock.
- \* This regulator version allows adjusting the required pressure and fix it, preventing accidental setting changes.
- \* The regulator is equipped with padlock and two keys.
- \* For further technical features, please refer to the respective Line or contact our offices.

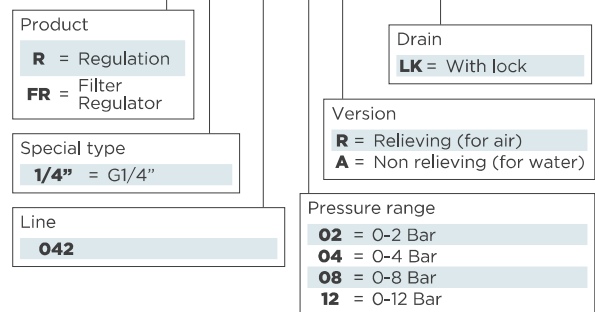
### GUIDE TO REFERENCES

FR 1/4" 042 T 10 R PE SS



### GUIDE TO REFERENCES

FR 1/4" 042 08 R PE SS LK



# LINE 050-3/8 052-1/2 | MODULAR UNITS

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Modular units size 50 mm are available with two different connections:

Line 050 - 3/8" and 052 1/2"

This Line consists of traditional units and complementary modules for enabling the configuration of battery sets integrated with several functions.

The complementary modules are:

V3 manual shut-off valve, lockable

SV electric or pneumatic shut-off valve

AVP slow-start valve

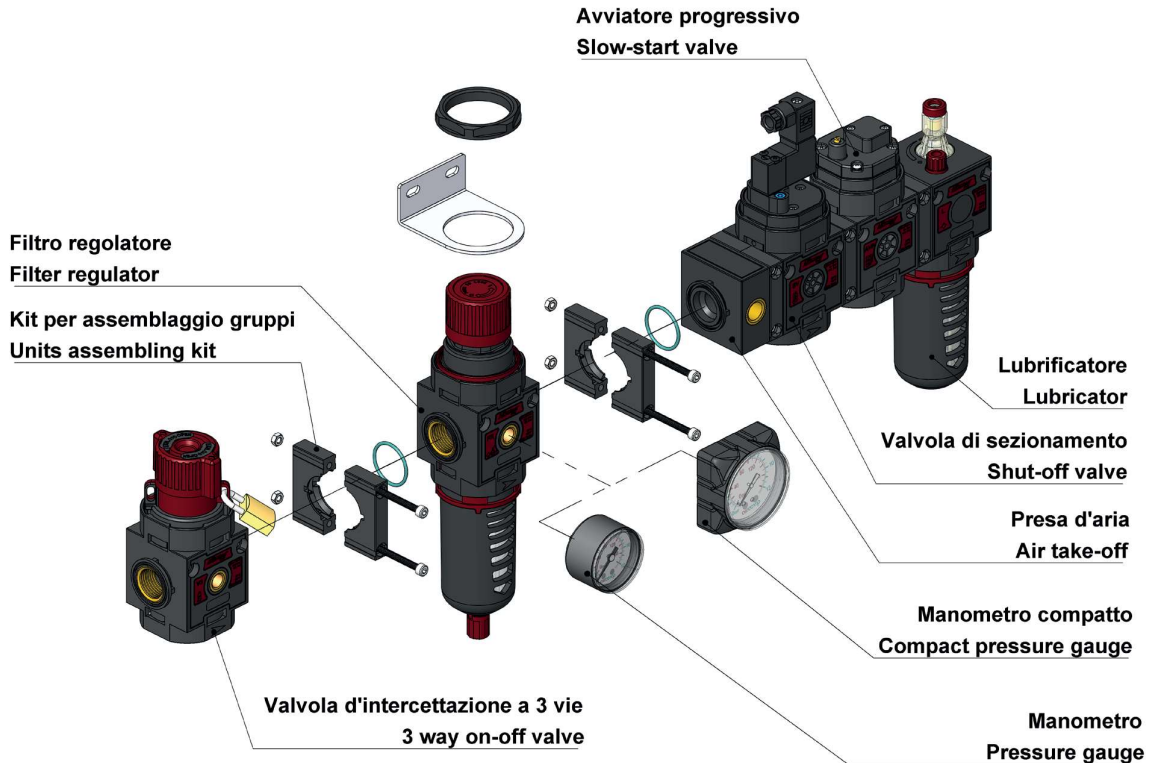
MF coalescing microfilter 0,01 micron

CF activated carbon filter

PA additional air inlet: intermediate, inlet; outlet

## GENERAL TECHNICAL DATA

<b>Fluid</b>	compressed air
<b>Working temperature (a 10 bar):</b>	-5 / +50°C
<b>Connections IN-OUT</b>	G3/8" e G1/2"
<b>Assembling type</b>	Assembling kit
<b>Mounting position</b>	see singol components
<b>Wall fixing</b>	through holes on the body or brackets
<b>Version with lock</b>	standard on V3
<b>Preset tamper-proof version</b>	R and FR upon request



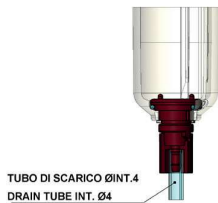


# LINE 050-3/8 052-1/2 | MODULAR UNITS

## CONDENSATE DRAIN

The condensate building up within the pneumatic systems is often causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the outside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

### SEMI-AUTOMATIC DRAIN (SS)



Semiautomatic drain is supplied as standard on all Aircomp Lines.

The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.

The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

### FLOAT TYPE AUTOMATIC DRAIN (SA)



Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

### DIFFERENTIAL AUTOMATIC DRAIN (SAD)



Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 0,2 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

### OPEN 1/8" CONNECTION (S18)



The seat with female thread 1/8", available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves. It is available also with locking pin with "manual drain" function.

## UNITS WITH COMPACT GAUGE

Units can be requested complete with gauge.

In this case, they are equipped with our compact gauge offering following advantages:

**Visibility:** The wide display ensures a better visibility.

**Compactness:** Designed for having reduced dimensions, the Compact Gauge restrains the risk of breaking.

**Easiness:** Simple mounting without tools. Tightness is guaranteed by an O-Ring, no teflon or sealant are required.

**Versatility:** The new Compact Gauge can be re-used on other Aircomp units. In case of need, it can be replaced with other commercial gauges.



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 050-3/8 052-1/2 | MODULAR UNITS

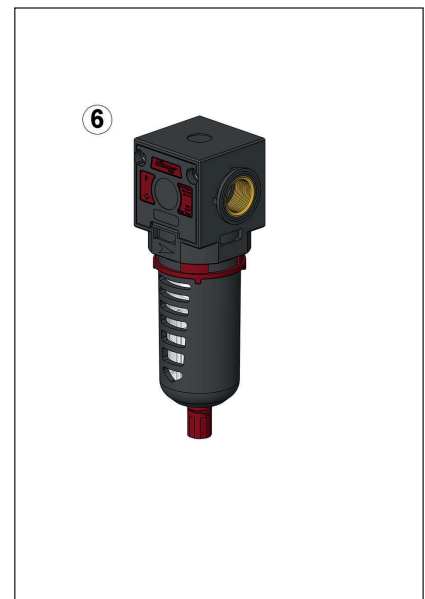
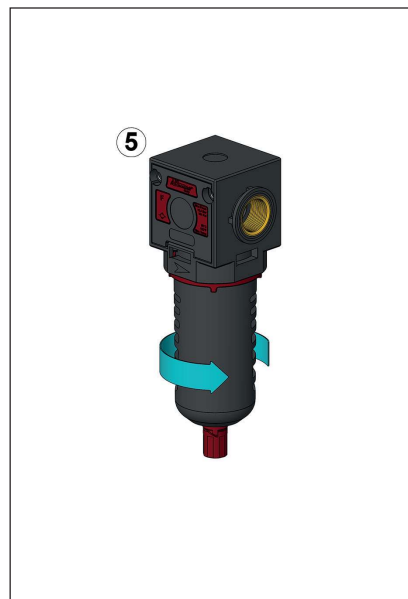
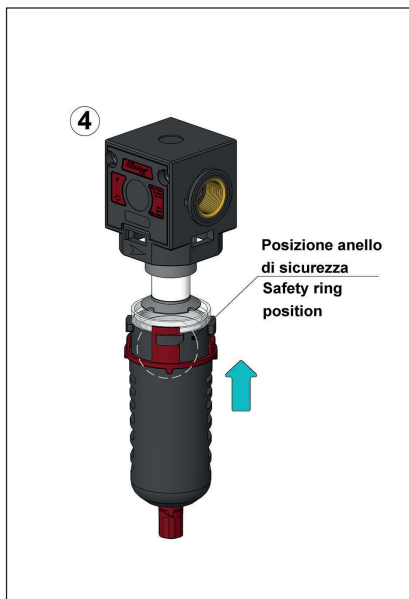
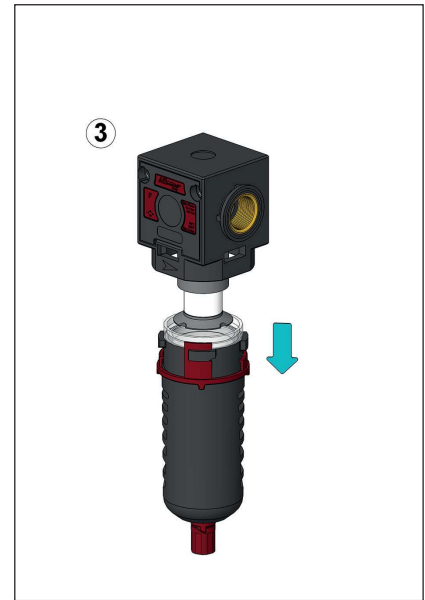
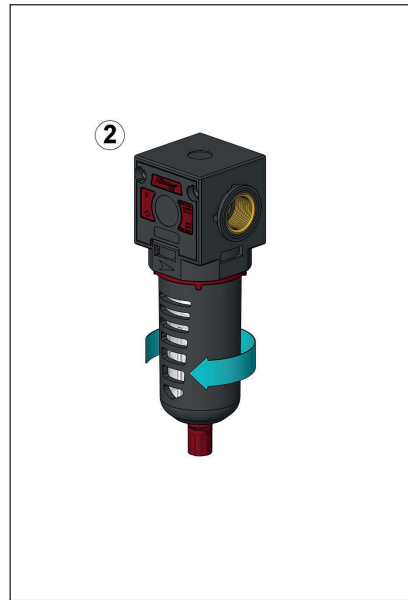
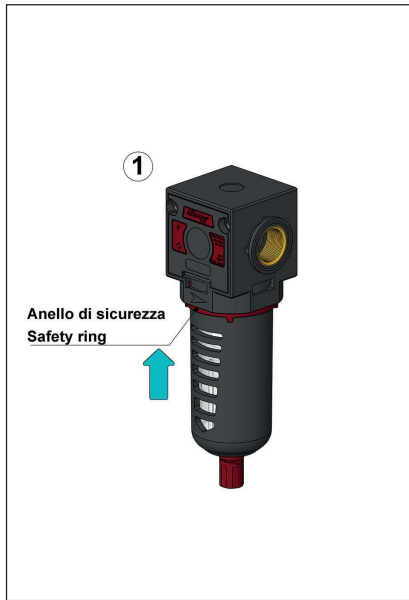
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## BOWL SAFETY RING

Bowls of Line 050, 052, 075, 080 and 095 are designed for a clip-on mounting, which enables the quick assembling and disassembling. All the bowls are equipped with a particular safety ring in order to prevent the accidental disassembly when the unit is pressurized. For disassembling the bowl, it is actually necessary carrying out three movements in a sequence:

1. Lifting the safety ring Pic. 1
2. Turning the bowl clockwise Pic. 2
3. Lowering the bowl Pic. 3

It is not possible to disassemble the bowl when the safety ring is lowered.

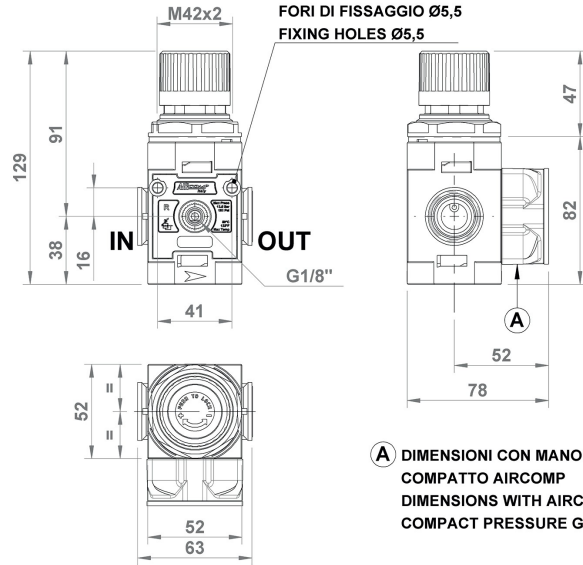
Movements 1. and 2., to be executed in a sequence, increase the operator's attention on the intervention he is carrying out.



Attention: the disassembling of the bowl must always be executed when the unit is depressurized.

1. The bowl reassembling can be easily executed following these steps:
2. Check that the safety ring is in its correct position (on the clamping tooth) as in Pic. 4
3. Fit the bowl into the body seat and lock it turning anticlockwise Pic. 5
4. Make sure that the safety ring is brought back to the correct position Pic. 6

# LINE 050 3/8-052 1/2 | MODULAR REGULATORS



**A** DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP  
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

## GENERAL FEATURES

Modular regulator with balanced valve which ensures big flow rate and low load loss.

Relieving for a quick exhaust of the downstream overpressure.

Knob with pressure locking device.

Equipped with nut and nr. plug.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	2.100 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Max torque gauge port</b>	<b>round:</b> 10 Nm <b>compact:</b> manual
<b>Weight</b>	0,325 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

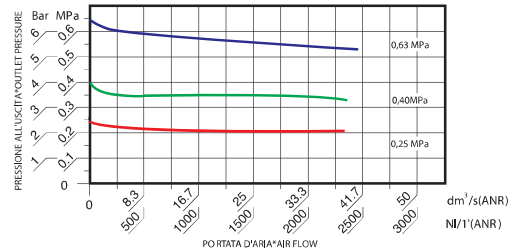
### LINE 050-3/8

CODE	REF.
<b>050.11.00004</b>	R 3/8" 050 04 R
<b>050.11.*****</b>	R 3/8" 050 08 R
<b>050.11.00001</b>	R 3/8" 050 12 R

### LINE 052-1/2

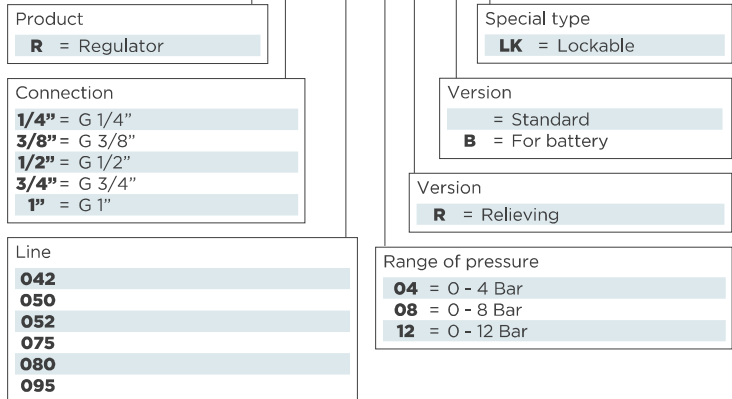
CODE	REF.
<b>052.11.00004</b>	R 1/2" 052 04 R
<b>052.11.*****</b>	R 1/2" 052 08 R
<b>052.11.00001</b>	R 1/2" 052 12 R

CURVE DI PORTATA \*FLOW CHARTS  
PRESSIONE D'INGRESSO\*INLET PRESSURE = 1 MPa(10 Bar)



## GUIDE TO REFERENCES

R 1/4" 042 08 R



WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace O with "M" the the 6th digit of the part nr. for example:

050.11.M0004 R3/8" 050 04R + GAUGE

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 050 3/8-052 1/2 | MODULAR FILTERS

AIR PREPARATION

VALVES

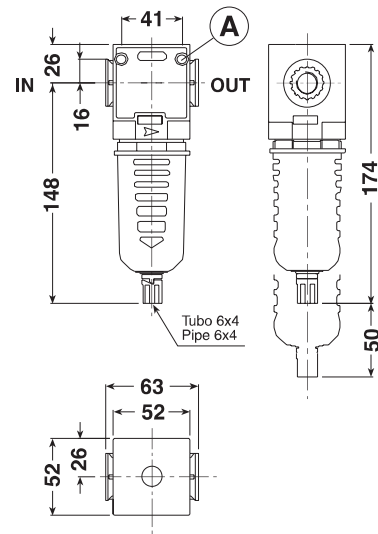
CYLINDERS

FITTINGS

WATER PREPARATION



**A** FORI DI FISSAGGIO Ø 5.5  
FIXING HOLES Ø 5.5



## GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss. It can be wall mounted through the holes prearranged on the body. Equipped with semiautomatic condensate drain as standard (SS). Available options: float type automatic drain (SA) and differential (SAD), which can convey condensate to the outside even when the bowl is pressurized. Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	2.500 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Bowl capacity</b>	42 cc
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Weight</b>	0,225 kg

Below 3°C the air of the circuit must be free from humidity

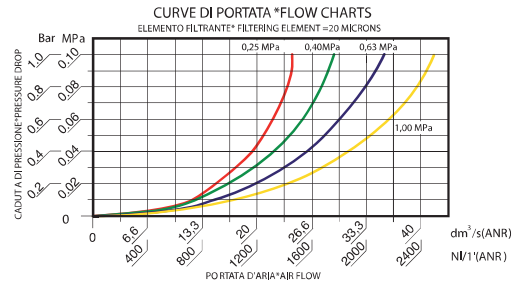
## ORDERING CODE

### LINE 050-3/8

CODE	REF.
<b>050.12.00025</b>	F 3/8" 050 20 PE SS
<b>050.12.00028</b>	F 3/8" 050 5 PE SS
<b>Float type automatic drain version.</b>	
<b>050.12.00053</b>	F 3/8" 050 20 PE SA
<b>050.12.00054</b>	F 3/8" 050 5 PE SA
<b>"Differential" automatic drain version.</b>	
<b>050.12.00070</b>	F 3/8" 050 20 PE SAD
<b>050.12.00071</b>	F 3/8" 050 5 PE SAD

### LINE 052-1/2

CODE	REF.
<b>052.12.00025</b>	F 1/2" 052 20 PE SS
<b>052.12.00028</b>	F 1/2" 052 5 PE SS
<b>Float type automatic drain version.</b>	
<b>052.12.00053</b>	F 1/2" 052 20 PE SA
<b>052.12.00054</b>	F 1/2" 052 5 PE SA
<b>"Differential" automatic drain version.</b>	
<b>052.12.00061</b>	F 1/2" 052 20 PE SAD
<b>052.12.00062</b>	F 1/2" 052 5 PE SAD



## GUIDE TO REFERENCES

**F 1/4" 042 20 PE SS**

Product  
**F** = Filter  
**MF** = Microfilter  
**CF** = Activated carbon

Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"  
**1"** = G 1"

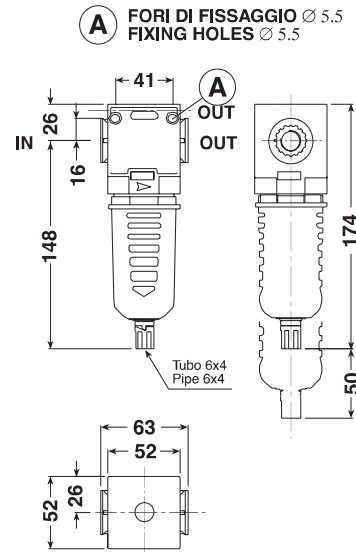
Line  
**042**  
**050**  
**052**  
**075**  
**080**  
**095**

Condensate Drain  
**SS** = Semiautomatic (standard)  
**SA** = Automatic float type  
**SAD** = Automatic differential  
**S18** = Open seat 1/8 F

Bowl  
**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

Filtering element  
**5** = 5 micron  
**20** = 20 micron  
**0,01** = 0,01 micron  
**CA** = Activated carbon

# LINE 050 3/8-052 1/2 | COALESCING MICROFILTERS (OIL REMOVER)



## GENERAL FEATURES

Modular filter with coalescing cartridge made from glass borosilicate fiber providing high filtering efficiency (99,97% on 0,01 micron particles).

It is recommended to install a 5 micron filter upstream in order to allow a longer life of the coalescing cartridge.

Application: it is suitable for removing oil remnants in pneumatic circuits.

It can be wall mounted through the holes prearranged on the body. Equipped with semiautomatic condensate drain as standard (SS).

Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Filtering degree</b>	0,01 micron
<b>Recommended max flow rate (6,3 bar)</b>	500 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Weight</b>	0,221 kg

Below 3°C the air of the circuit must be free from humidity

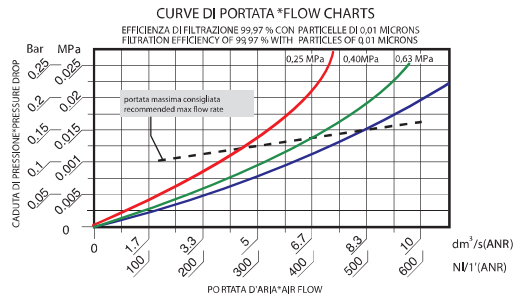
## ORDERING CODE

### LINE 050-3/8

CODE	REF.
<b>050.12.00010</b>	MF 3/8" 050 0,01 PE SS
<b>Float type automatic drain version.</b>	
<b>050.12.00060</b>	MF 3/8" 050 0,01 PE SA
<b>"Differential" automatic drain version.</b>	
<b>050.12.00072</b>	MF 3/8" 050 0,01 PE SAD

### LINE 052-1/2

CODE	REF.
<b>052.12.00010</b>	MF 1/2" 052 0,01 PE SS
<b>Float type automatic drain version.</b>	
<b>052.12.00060</b>	MF 1/2" 052 0,01 PE SA
<b>"Differential" automatic drain version.</b>	
<b>052.12.00063</b>	MF 1/2" 052 0,01 PE SAD



## GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product  
**F** = Filter  
**MF** = Microfilter  
**CF** = Activated carbon

Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"  
**1"** = G 1"

Line  
**042**  
**050**  
**052**  
**075**  
**080**  
**095**

Condensate Drain  
**SS** = Semiautomatic (standard)  
**SA** = Automatic float type  
**SAD** = Automatic differential  
**S18** = Open seat 1/8 F

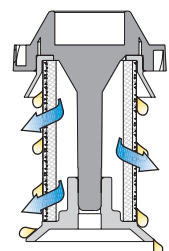
Bowl  
**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

Filtering element  
**5** = 5 micron  
**20** = 20 micron  
**0,01** = 0,01 micron  
**CA** = Activated carbon

## COALESCENT CARTRIDGE

### FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 050 3/8-052 1/2 | CARBON FILTERS

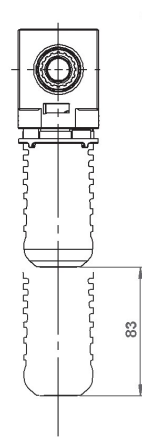
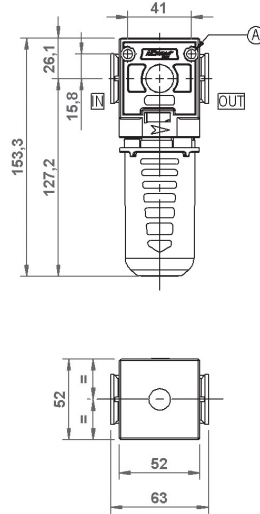
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



A FORI DI FISSAGGIO Ø5,5  
FIXING HOLES Ø5,5

## GENERAL FEATURES

Aircomp activated carbon filter exploits the absorption properties of activated carbon in order to increase air purity and eliminate unpleasant smell in the air aimed at the industrial sector. The activated carbon filter, in order to guarantee its performance, needs to be associated with a coalescing filter, that should be preceded by a 5 Micron filter (F+MF+CF). It can be wall mounted through the holes prearranged on the body. Closed bowl (without drain) made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>Fluid</b>	compressed air
<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Maximum inlet pressure</b>	12,5 Bar
<b>Filtering cartridge</b>	activated carbon
<b>Life of cartridge</b>	Replacement against pressure drop higher than 0,75 bar. Anyhow, do not exceed 2,000 working hours. Saturation of activated carbon may not cause pressure drop.
<b>Reference flow rate</b>	see the flow chart
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Weight</b>	0,230 kg

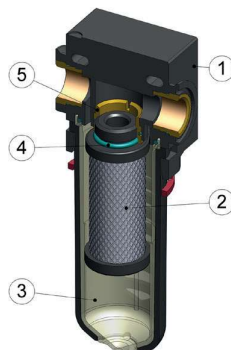
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

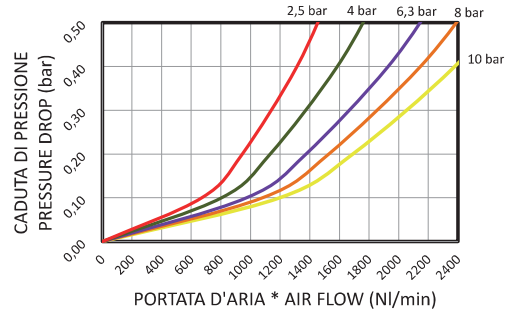
LINE 050-3/8	REF.
CODE	REF.
<b>050.12.00.300</b>	CF 050 3/8 CA PE
LINE 050-1/2	REF.
CODE	REF.
<b>052.12.00.300</b>	CF 052 1/2 CA PE

## USED MATERIALS

1. **Body** - PA + BRASS
2. **Carbon filter cartridge**
3. **Bowl** - Toughened PA
4. **O-ring** - NBR
5. **Brass insert**



## CURVE DI PORTATA \* FLOW CHARTS



## GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product  
**F** = Filter  
**MF** = Microfilter  
**CF** = Activated carbon

Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"  
**1"** = G 1"

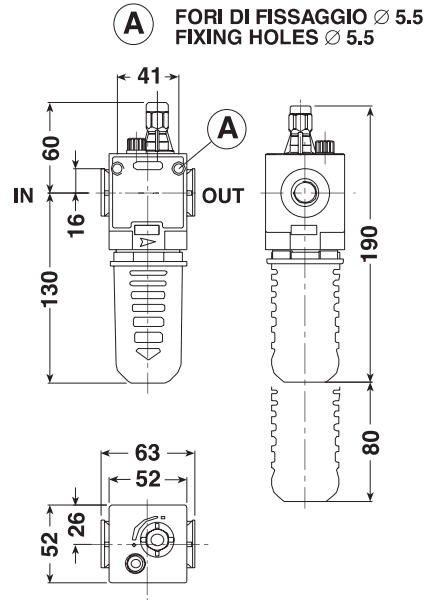
Line  
**042**  
**050**  
**052**  
**075**  
**080**  
**095**

Condensate Drain  
**SS** = Semiautomatic (standard)  
**SA** = Automatic float type  
**SAD** = Automatic differential  
**S18** = Open seat 1/8 F

Bowl  
**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

Filtering element  
**5** = 5 micron  
**20** = 20 micron  
**0,01** = 0,01 micron  
**CA** = Activated carbon

# LINE 050 3/8-052 1/2 | LUBRICATORS



## GENERAL FEATURES

- Proportional oil mist lubricator allowing a constant oil delivery over time.
- Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
- Oil filling plug.
- It can be wall mounted through the holes prearranged on the body.
- Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Maximum inlet pressure</b>	12,5 Bar
<b>Bowl capacity</b>	68 cc
<b>Recommended oil viscosity</b>	ISO VG32
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	2.060 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Weight</b>	0,230 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

LINE 050-3/8

CODE	REF.
<b>050.13.00025</b>	L 3/8" 050 PE

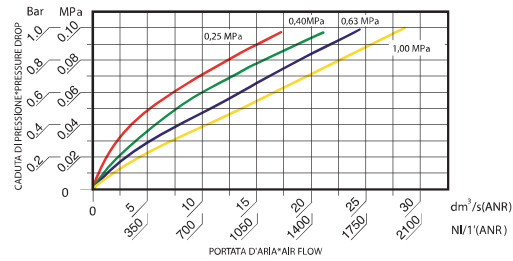
LINE 052-1/2

CODE	REF.
<b>052.13.00025</b>	L 1/2" 052 PE

## MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm <sup>3</sup> /s (ANR)	NI/1' (ANR)	SCFM
36	0,25	2,50	0,10	6	0.2
58	0,40	4,00	0,13	8	0.3
91	0,63	6,30	0,18	11	0.4

CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

L 1/4" 042 PE

<b>Product</b> L = Lubricator	<b>Version</b> = Standad VL = Vacuum filling IL = Min Level indicator IM = Max/Min Level indicator (line 095 only)
<b>Connection</b> 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	<b>Bowl</b> TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
<b>Line</b> 042 050 052 075 080 095	

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 050 3/8-052 1/2 | LUBRICATORS WITH LEVEL INDICATOR

AIR PREPARATION

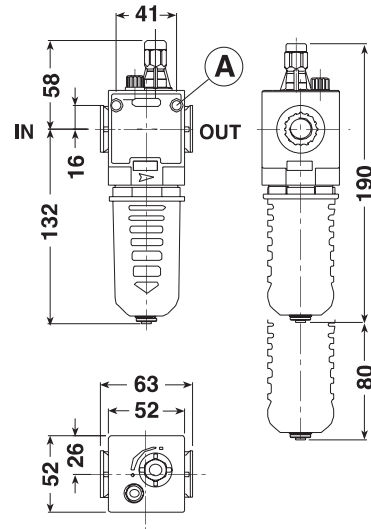
VALVES  
CYLINDERS

FITTINGS

WATER PREPARATION



**A** FORI DI FISSAGGIO Ø 5.5  
FIXING HOLES Ø 5.5



## GENERAL FEATURES

Lubricator equipped with float type level indicator, emitting an electric signal able to control light indicators or acoustic alarms upon reaching the minimum level.  
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.  
It can be wall mounted through the holes prearranged on the body.  
Closed bowl made from hardened polyamide, with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Maximum inlet pressure</b>	7 Bar
<b>Maximum voltage</b>	100 V AC
<b>Electric contact</b>	0,75 A 10W Protection IP 65
<b>Bowl capacity</b>	61 cc
<b>Recommended oil viscosity</b>	ISO VG32
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	1.700 NI/min
<b>Working temperature (a 7 bar)</b>	-5 / +50°C
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Weight</b>	0,260 kg

Below 3°C the air of the circuit must be free from humidity

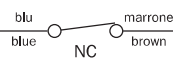
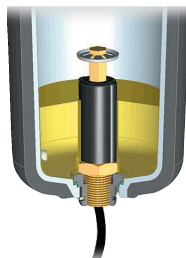
## ORDERING CODE

LINE 050-3/8	
CODE	REF.
<b>050.13.00036</b>	L 3/8" 050 PE IL

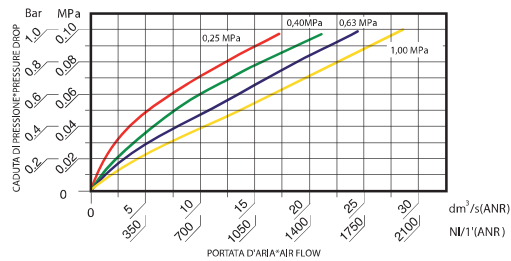
## LINE 052-1/2

CODE	REF.
<b>052.13.00036</b>	L 1/2" 052 PE IL

## LEVEL INDICATOR



## CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

### L 1/4" 042 PE

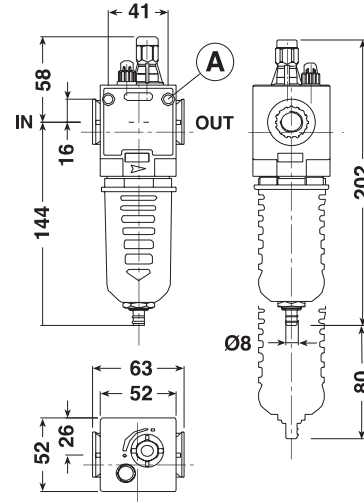
Product <b>L</b> = Lubricator	Version Standard <b>VL</b> = Vacuum filling <b>IL</b> = Min Level indicator <b>IM</b> = Max/Min Level indicator (Line 095 only)
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Bowl <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	



# LINE 050 3/8-052 1/2 | VL VACUUM FILLING LUBRICATORS



**A FORI DI FISSAGGIO Ø 5.5  
FIXING HOLES Ø 5.5**



## GENERAL FEATURES

Proportional oil mist lubricator with oil filling from an external tank without interrupting the operation of the system.  
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.  
It can be wall mounted through the holes prearranged on the body.  
Closed bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Working pressure</b>	min. 4 Bar - max 12,5 Bar
<b>Bowl capacity</b>	68 cc
<b>Recommended oil viscosity</b>	ISO VG32
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	2.060 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Weight</b>	0,270 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

### LINE 050-3/8

<b>CODE</b>	<b>REF.</b>
<b>050.13.00500</b>	L 3/8" 050 PE VL

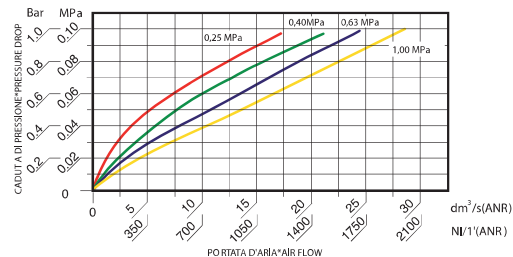
### LINE 052-1/2

<b>CODE</b>	<b>REF.</b>
<b>052.13.00500</b>	L 1/2" 052 PE VL

## MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm <sup>3</sup> /s (ANR)	NI/1' (ANR)	SCFM
36	0,25	2,50	0,10	6	0.2
58	0,40	4,00	0,13	8	0.3
91	0,63	6,30	0,18	11	0.4

CURVE DI PORTATA \*FLOW CHARTS



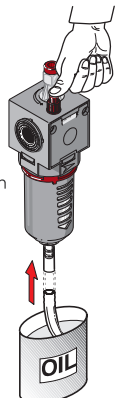
## GUIDE TO REFERENCES

### L 1/4" 042 PE

<b>Product</b> L = Lubricator	<b>Version</b> = Standard VL = Vacuum filling IL = Min Level indicator IM = Max/Min Level indicator (Line 095 only)
<b>Connection</b> 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	<b>Bowl</b> TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
<b>Line</b> 042 050 052 075 080 095	

## FUNCTIONING VL

The oil filling is achieved by pressing and holding the button at the base of the lubricator body.  
The "Venturi" system causes a vacuum inside the bowl and the related oil intake.  
The oil filling is stopped only upon releasing the button.  
The oil level is visually checked during the filling.  
Max. suction height : 1,5 m.



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 050 3/8-052 1/2 | FILTER REGULATORS

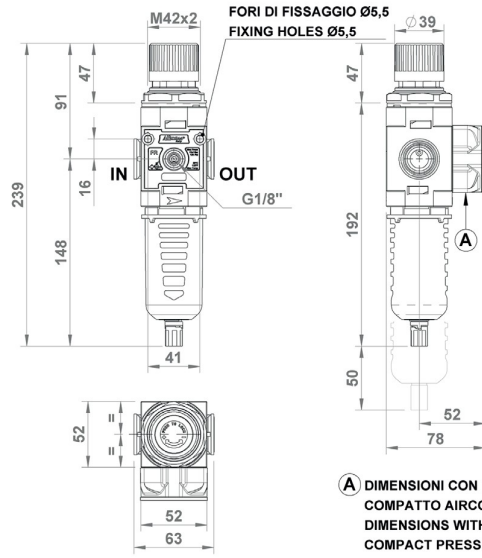
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

High performance modular filter regulator ensuring big flow rate and low load loss.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	2.100 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Max torque round: gauge port</b>	10 Nm
<b>compact: manual</b>	
<b>Bowl capacity</b>	42 cc
<b>Weight</b>	0,410 kg

Below 3°C the air of the circuit must be free from humidity

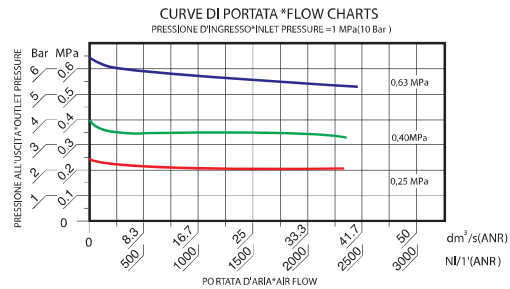
## ORDERING CODE

### LINE 050-3/8

CODE	REF.
050.14.00025	FR 3/8" 050 20 08 R PE SS
050.14.00001	FR 3/8" 050 20 12 R PE SS
050.14.00038	FR 3/8" 050 5 08 R PE SS
050.14.00039	FR 3/8" 050 5 12 R PE SS
<b>Float type automatic drain version.</b>	
050.14.00057	FR 3/8" 050 20 08 R PE SA
050.14.00060	FR 3/8" 050 5 08 R PE SA
<b>"Differential" automatic drain version.</b>	
050.14.00070	FR 3/8" 050 20 08 R PE SAD
050.14.00072	FR 3/8" 050 5 08 R PE SAD

### LINE 052-1/2

CODE	REF.
052.14.00025	FR 1/2" 052 20 08 R PE SS
052.14.00001	FR 1/2" 052 20 12 R PE SS
052.14.00038	FR 1/2" 052 5 08 R PE SS
052.14.00039	FR 1/2" 052 5 12 R PE SS
<b>Float type automatic drain version.</b>	
052.14.00057	FR 1/2" 052 20 08 R PE SA
052.14.00060	FR 1/2" 052 5 08 R PE SA
<b>"Differential" automatic drain version.</b>	
052.14.00063	FR 1/2" 052 20 08 R PE SAD
052.14.00064	FR 1/2" 052 20 12 R PE SAD
052.14.00065	FR 1/2" 052 5 08 R PE SAD
052.14.00066	FR 1/2" 052 5 12 R PE SAD



## GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

<b>Product</b> FR = Filter regulator	<b>Condensate Drain</b> SS = Semiautomatic (standard) SA = Automatic float type SAD = Automatic differential S18 = Open seat 1/8 F
<b>Connection</b> 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	<b>Bowl</b> TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
<b>Line</b> 042 050 052 075 080 095	<b>Version</b> R = Relieving
<b>Filtering element</b> 5 = 5 micron 20 = 20 micron	<b>Range of pressure</b> 04 = 0 - 4 Bar 08 = 0 - 8 Bar 12 = 0 - 12 Bar

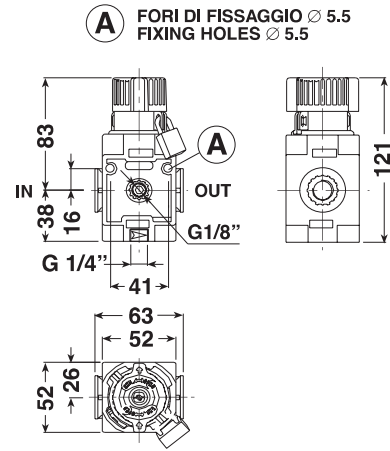


WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace O with "M" the the 6th digit of the part nr. for example:

050.14.M0025 FR3/8" 050 20 08R PE SS + GAUGE

# LINE 050 3/8-052 1/2 | 3 WAY VALVES WITH LOCK



## GENERAL FEATURES

The job of this 3-way on-off valve is to shut off air supply and exhaust the pressure in the downstream circuit. Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations with total safety, thus avoiding the system from being accidentally pressurized. The valve is equipped with nr. 1 lock and nr. 2 keys.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Exhaust connection</b>	G1/4"
<b>Maximum inlet pressure</b>	12,5 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	2,580 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1,000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque G1/4" IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Weight</b>	0,270 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

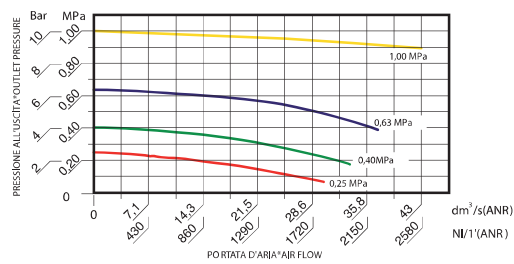
### LINE 050 - 3/8

CODE	REF.
050.25.00001	V 3/8" 050 V 3

### LINE 052 - 1/2

CODE	REF.
052.25.00001	V 1/2" 052 V 3

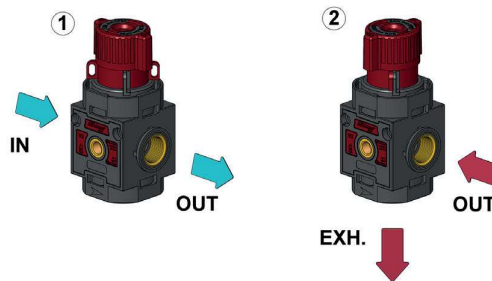
CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

V 1/4" 042 3V

<b>Product</b> V = 3 way Valve	<b>Functioning</b> 3V = 3 way
<b>Connection</b> 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4"	<b>Line</b> 042 050 052 075 080



1. with OPEN VALVE

2. with CLOSED VALVE

IN and OUT are in communication for an open air flow

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 050 3/8-052 1/2 SV | ELECTRICAL SHUT-OFF VALVES 15MM

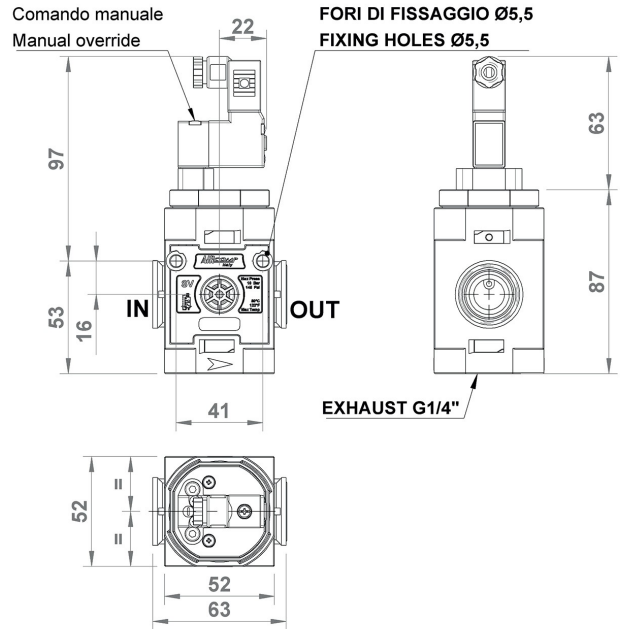
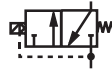
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

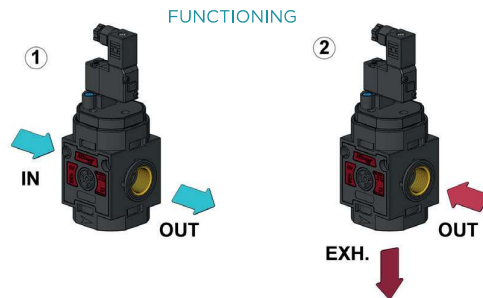
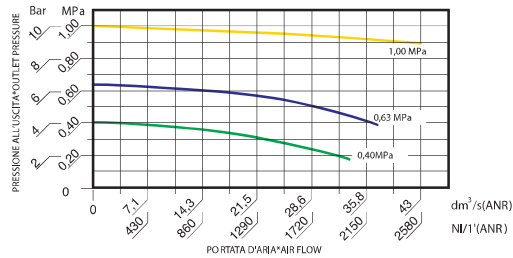
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit. The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control console. Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuit in any emergency situation.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Exhaust connection</b>	G1/4"
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	2,580 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1,000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Electric pilot</b>	3/2 NC 15 mm (Microsol type)
<b>Available voltage</b>	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
<b>Weight</b>	0,30 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA \*FLOW CHARTS



1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

# LINE 050 3/8-052 1/2 SV | ELECTRICAL SHUT-OFF VALVES 15MM

## GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

<b>Product</b> <b>SV</b> = Shut-off valve	<b>Voltage</b> <b>12 VDC</b> <b>24 VDC</b> <b>24 VAC</b> <b>110 VAC</b> <b>220 AC</b>
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4"	<b>Version</b> <b>15MM</b> = Solenoid pilot 15 mm <b>CNOM</b> = Electric controlC-NOMO <b>PNEU</b> = Pneumatic connection
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b>	

### ORDERING PART NR. COMPLETE UNIT



#### LINE 050 - 3/8

CODE	REF.
<b>050.26.00102</b>	SV 3/8 050 15MM 12V DC
<b>050.26.00202</b>	SV 3/8 050 15MM 24V DC
<b>050.26.00602</b>	SV 3/8 050 15MM 24V AC
<b>050.26.00702</b>	SV 3/8 050 15MM 110V AC
<b>050.26.00802</b>	SV 3/8 050 15MM 220V AC

#### LINE 052 - 1/2

CODE	REF.
<b>052.26.00102</b>	SV 1/2 052 15MM 12V DC
<b>052.26.00202</b>	SV 1/2 052 15MM 24V DC
<b>052.26.00602</b>	SV 1/2 052 15MM 24V AC
<b>052.26.00702</b>	SV 1/2 052 15MM 110V AC
<b>052.26.00802</b>	SV 1/2 052 15MM 220V AC

### ORDERING PART NR. SEPARATE COMPONENTS



CODE	REF.
<b>C50.26.00002</b>	KIT C. ELECTR. 3/2 NC 2,5W 24V DC MICROSOL
<b>C50.26.00003</b>	KIT C. ELECTR. 3/2 NC 3VA 24V AC MICROSOL
<b>C50.26.00004</b>	KIT C. ELECTR. 3/2 NC 3VA 110V AC MICROSOL
<b>C50.26.00005</b>	KIT C. ELECTR. 3/2 NC 3VA 220V AC MICROSOL
<b>050.26.00002</b>	SV 3/8" 050 PRED. C. ELECTR. MICROSOL/PNEUM
<b>052.26.00002</b>	SV 1/2" 052 PRED. C. ELECTR. MICROSOL/PNEUM

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 050 3/8-052 1/2 SV | SHUT-OFF VALVES CNOMO

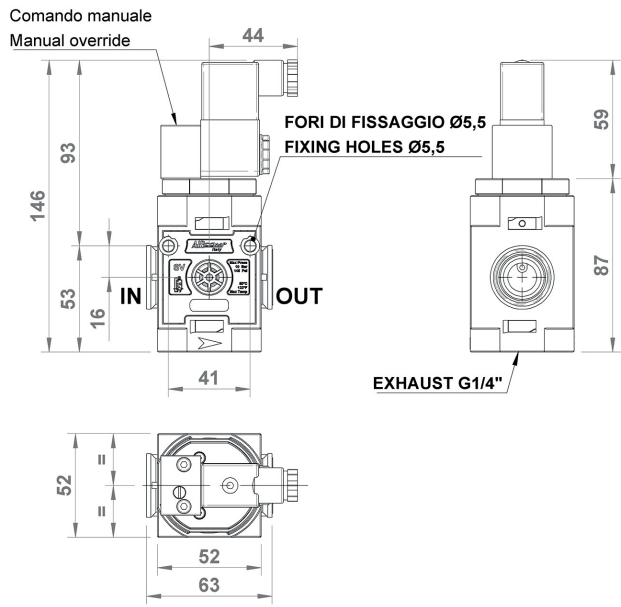
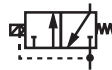
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

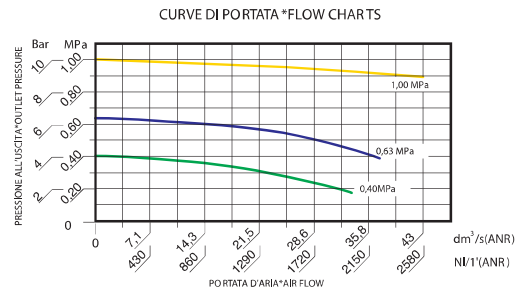


### GENERAL FEATURES

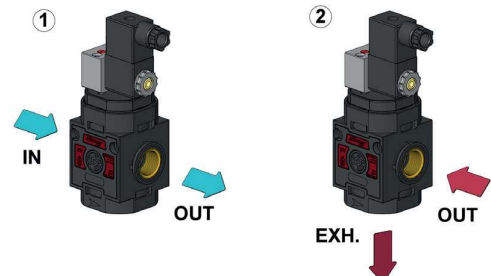
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit. The electrical model is often connected to ON-OFF switches or emergency mushrooms present on the control console. Application: it can be used singularly, or more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit in any emergency situation.

### GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Exhaust connection</b>	G1/4"
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	2,580 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1,000 NI/min+
<b>Working temperature (a 10 bar)</b>	-5 / +50°C
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Electric pilot</b>	3/2 NC (tipo CNOMO) for coil 22mm
<b>Available voltage</b>	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
<b>Weight</b>	0,37 kg



### FUNCTIONING



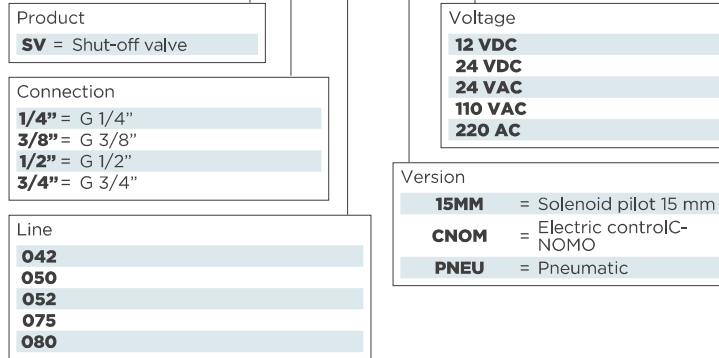
1. with OPEN VALVE  
IN and OUT are in communication for an open air flow

2. with CLOSED VALVE  
The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

# LINE 050 3/8-052 1/2 SV | SHUT-OFF VALVES CNOMO

## GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC



### ORDERING PART NR. COMPLETE UNIT LINE 050 - 3/8

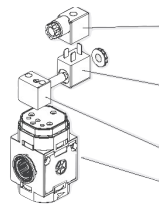


CODE	REF.
050.26.00101	SV 3/8 050 CNOM 12V DC
050.26.00201	SV 3/8 050 CNOM 24V DC
050.26.00601	SV 3/8 050 CNOM 24V AC
050.26.00701	SV 3/8 050 CNOM 110V AC
050.26.00801	SV 3/8 050 CNOM 220V AC

### LINE 052 - 1/2

CODE	REF.
052.26.00101	SV 1/2 052 CNOM 12V DC
052.26.00201	SV 1/2 052 CNOM 24V DC
052.26.00601	SV 1/2 052 CNOM 24V AC
052.26.00701	SV 1/2 052 CNOM 110V AC
052.26.00801	SV 1/2 052 CNOM 220V AC

### ORDERING PART NR. SEPARATE COMPONENTS CNOMO CONTROL



CODE	REF.
A50.26.00010	CONN. CNOMO
A50.26.00006	SOL. 3W 24V DC
A50.26.00007	SOL. 5VA 24V AC
A50.26.00008	SOL. 5VA 110V AC
A50.26.00009	SOL. 5VA 220V AC
C50.26.00006	C.ELECTR EV 3/2 NC CNOMO
050.26.00001	SV 3/8" 050 PRED. C. ELECTR. CNOMO
052.26.00001	SV 1/2" 052 PRED. C. ELECTR. CNOMO

AIR PREPARATION

VALVES

CYLINDERS

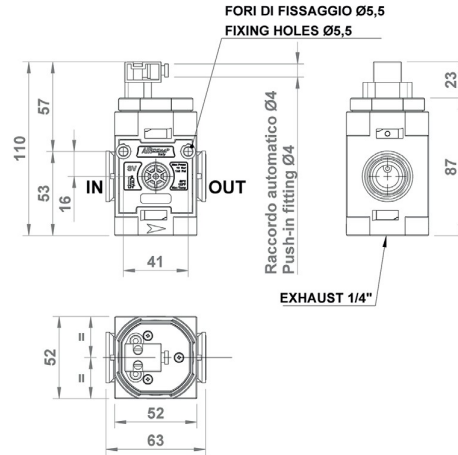
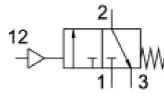
FITTINGS

WATER PREPARATION

# LINE 050 3/8-052 1/2 | PNEUMATIC SHUT-OFF VALVES

AIR PREPARATION

VALVES



CYLINDERS

## GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.

The pneumatic model is actuated through a pneumatic piloting operated by selectors or by mushroom actuators present on the control console.

Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit in any emergency situation.

FITTINGS

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Exhaust connection</b>	G1/4"
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	2.580 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Pneumatic connection</b>	push-in fitting D. 4mm
<b>Weight</b>	0,280 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING PART NR. COMPLETE UNIT

### LINE 050 - 3/8

CODE	REF.
<b>050.26.00902</b>	SV 3/8 050 PNEUMATIC

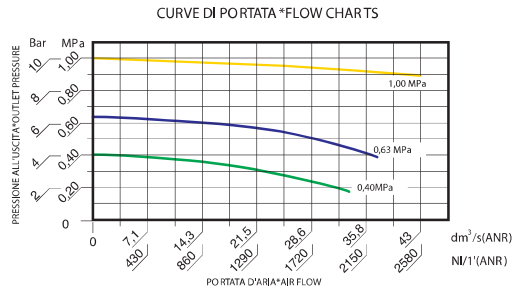
### LINE 052 - 1/2

CODE	REF.
<b>052.26.00902</b>	SV 1/2 052 PNEUMATIC

## ORDERING PART NR. SEPARATE COMPONENTS

### PNEUMATIC CONTROL

	CODE	REF.
	<b>C40.26.00014</b>	PNEUMATIC CONTROL KIT
	<b>050.26.00002</b>	SV 3/8" 050 PRED. C. ELECTR. MICRO SOL/PNEUM
	<b>052.26.00002</b>	SV 1/2" 052 PRED. C. ELECTR. MICRO SOL/PNEUM

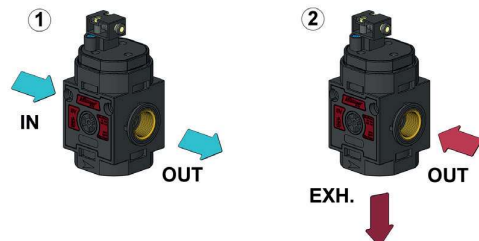


## GUIDE TO REFERENCES

### SV 1/4" 042 15MM 24VDC

Product <b>SV</b> = Shut-off valve	Voltage <b>12 VDC</b> <b>24 VDC</b> <b>24 VAC</b> <b>110 VAC</b> <b>220 AC</b>
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4"	Version <b>15MM</b> = Solenoid pilot 15 mm <b>CNOM</b> = Electric control C-NOMO <b>PNEU</b> = Pneumatic
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b>	

## FUNCTIONING

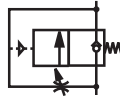


1. with piloting under pressure, the SV is open (IN-OUT communication)

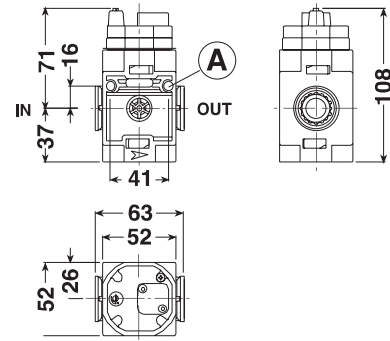
2. with piloting not under pressure, the SV is closed (IN closed / OUT exhausting)



# LINE 050 3/8-052 1/2 | SLOW-START VALVES



**A** FORI DI FISSAGGIO Ø 5.5  
FIXING HOLES Ø 5.5



## GENERAL FEATURES

The job of the slow-start valve is to gradually pressurize the pneumatic system upon switching it on. The gradual pressurization takes place until about 60% of the supply pressure is reached. The pressurization time can be adjusted through the speed controller positioned in the upper part of the body. Application: it can be singularly used, or, more commonly, assembled with the shut-off valve. The AVP avoids any dangerous pressure surge, that may be caused by quickly supplying the system to the working pressure.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Working pressure</b>	min. 3 Bar - max 10 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	2.580 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Weight</b>	0,270 kg

Below 3°C the air of the circuit must be free from humidity

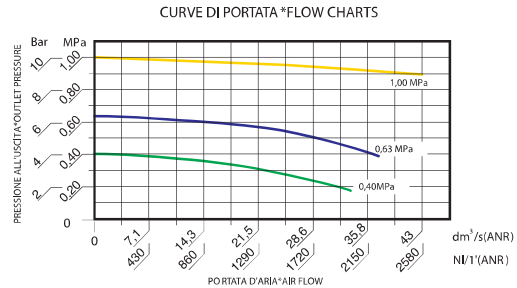
## ORDERING CODE

### LINE 050-3/8

CODE	REF.
<b>050.27.00001</b>	AVP 3/8" 050 PN Autonom.

### LINE 052-1/2

CODE	REF.
<b>052.27.00001</b>	AVP 1/2" 052 PN Autonom.



## GUIDE TO REFERENCES

### AVP 1/4" 042 PN

Product <b>AVP</b> = Slow-start valve	Functioning <b>PN</b> = Pneumatic
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4"	Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b>

AIR PREPARATION

VALVES

CYLINDERS

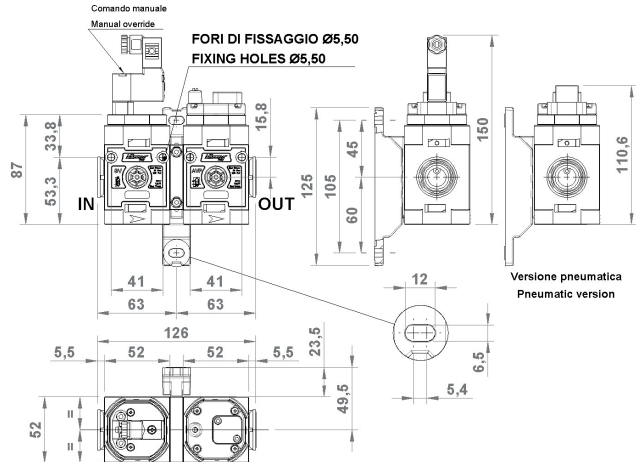
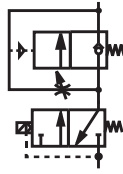
FITTINGS

WATER PREPARATION

# LINE 050 3/8-052 1/2 | SHUT-OFF / SLOW START COMBINATIONS

AIR PREPARATION

VALVES



CYLINDERS

## GENERAL FEATURES

SVAV is a set consisting of shut-off valve (SV) and slow-start valve (AVP), assembled and equipped with electric or pneumatic control.

This complete unit, combines the functions of exhausting the pneumatic circuit and cutting-off air supply (SV) with the progressive pressurization provided by the slow-start valve (AVP). The valves are available with electric control in different voltages or with pneumatic control.

The proposed set is ready to be subsequently assembled with other Aircomp modules, or singularly mounted.

For further information about SV and AVP, please refer to the respective datasheets.

FITTINGS

## GENERAL TECHNICAL DATA

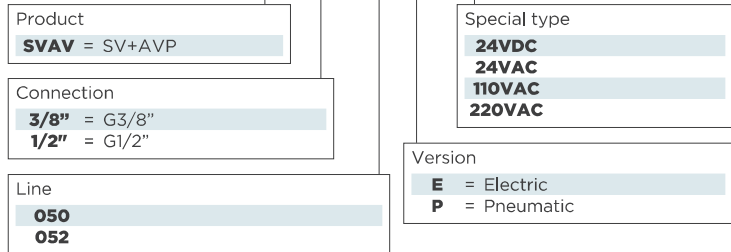
<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Exhaust connection</b>	G1/4"
<b>Maximum inlet pressure</b>	10 Bar
<b>Working pressure</b>	min. 3 Bar - max. 10 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	1.570 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Electric pilot</b>	3/2 NC 15 mm (Microsol type)
<b>Available voltage</b>	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
<b>Pneumatic piloting</b>	push-in fitting D. 4mm
<b>SVAV E Weight</b>	0,67 kg
<b>SVAV P Weight</b>	0,64 kg

Below 3°C the air of the circuit must be free from humidity

WATER PREPARATION

## GUIDE TO REFERENCES

### SVAV 3/8" 050 E 24VDC



## ORDERING PART NR.ELECTRIC VERSION 050

CODE	REF.
050.28.00001	SVAV 3/8 050 E 24V DC
050.28.00002	SVAV 3/8 050 E 24V AC
050.28.00003	SVAV 3/8 050 E 110V AC
050.28.00004	SVAV 3/8 050 E 220V AC

## ORDERING PART NR. PNEUMATIC VERSION 050

CODE	REF.
050.28.00005	SVAV 3/8 050 P Ø4

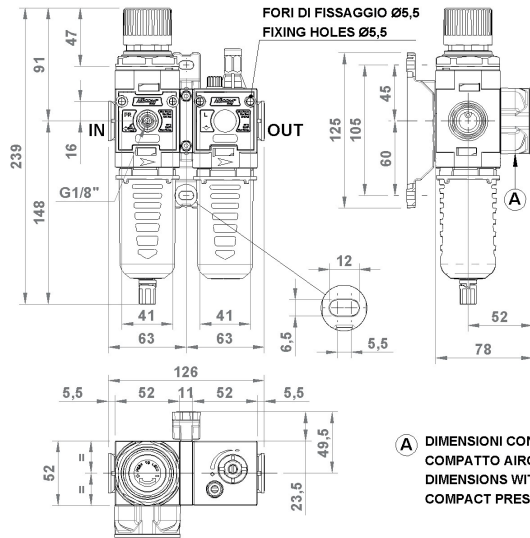
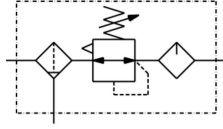
## ORDERING PART NR.ELECTRIC VERSION 052

CODE	REF.
052.28.00001	SVAV 1/2 052 E 24V DC
052.28.00002	SVAV 1/2 052 E 24V AC
052.28.00003	SVAV 1/2 052 E 110V AC
052.28.00004	SVAV 1/2 052 E 220V AC

## ORDERING PART NR. PNEUMATIC VERSION 052

CODE	REF.
052.28.00005	SVAV 1/2 052 P Ø4

# LINE 050 3/8-052 1/2 | FR + L UNITS



**A** DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP  
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

## GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	1.500 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Max torque round:</b>	10 Nm
<b>gauge port compact:</b>	manual
<b>Weight</b>	0,70 kg

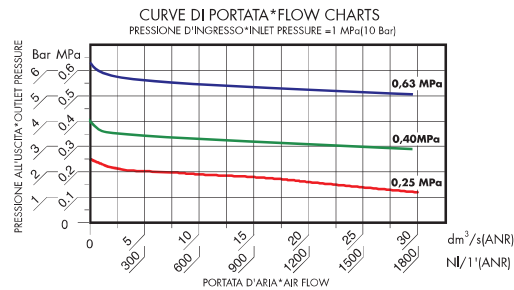
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE LINE 050-3/8

CODE	REF.
<b>050.16.00025</b>	FR+L 3/8" 050 20 08 R PE SS
<b>050.16.00001</b>	FR+L 3/8" 050 20 12 R PE SS
<b>050.16.00036</b>	FR+L 3/8" 050 5 08 R PE SS
<b>050.16.00037</b>	FR+L 3/8" 050 5 12 R PE SS
<b>050.16.00501</b>	FR+L 3/8" 050 20 08 R PE SS VL
<b>Float type automatic drain version.</b>	
<b>050.16.00057</b>	FR+L 3/8" 050 20 08 R PE SA
<b>050.16.00059</b>	FR+L 3/8" 050 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
<b>050.16.00083</b>	FR+L 3/8" 050 20 08 R PE SAD
<b>050.16.00084</b>	FR+L 3/8" 050 20 12 R PE SAD

## LINE 052-1/2

CODE	REF.
<b>052.16.00025</b>	FR+L 1/2" 052 20 08 R PE SS
<b>052.16.00001</b>	FR+L 1/2" 052 20 12 R PE SS
<b>052.16.00036</b>	FR+L 1/2" 052 5 08 R PE SS
<b>052.16.00037</b>	FR+L 1/2" 052 5 12 R PE SS
<b>052.16.00501</b>	FR+L 1/2" 052 20 08 R PE SS VL
<b>Float type automatic drain version.</b>	
<b>052.16.00057</b>	FR+L 1/2" 052 20 08 R PE SA
<b>052.16.00059</b>	FR+L 1/2" 052 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
<b>052.16.00063</b>	FR+L 1/2" 052 20 08 R PE SAD
<b>052.16.00064</b>	FR+L 1/2" 052 20 12 R PE SAD



## GUIDE TO REFERENCES

FR+L 1/4" 042 20 08 R PE SS

<b>Product</b> <b>FR+L</b> = Filter regulator + Lubricator	<b>Condensate Drain</b> <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	<b>Bowl</b> <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	<b>Version</b> <b>R</b> = Relieving
<b>Filtering element</b> <b>5</b> = 5 micron <b>20</b> = 20 micron	<b>Range of pressure</b> <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar



## WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

050.16.M0025 FR+L3/8" 050 20 08R PE SS + GAUGE

AIR PREPARATION

VALVES

CYLINDERS

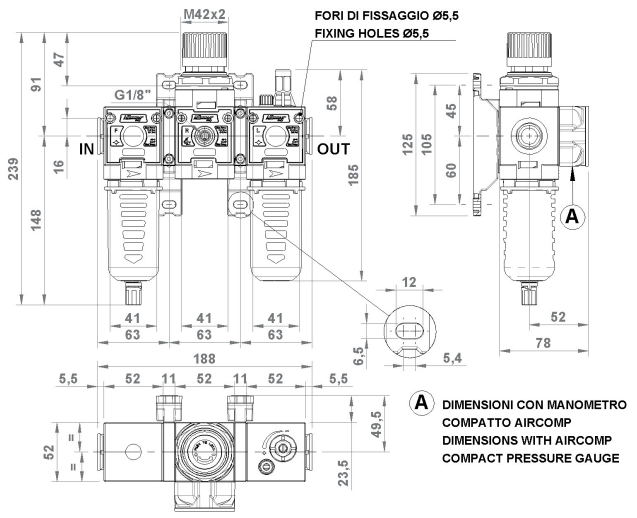
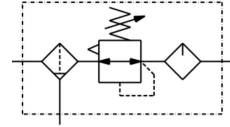
FITTINGS

WATER PREPARATION

# LINE 050 3/8-052 1/2 | F + R + L UNITS

AIR PREPARATION

VALVES



CYLINDERS

FITTINGS

WATER PREPARATION

## GENERAL FEATURES

Unit consisting of Filter + Regulator + Lubricator.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	1.500 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Max torque round: 10 Nm</b>	
<b>gauge port compact: manual</b>	
<b>Weight</b>	0,7760 kg

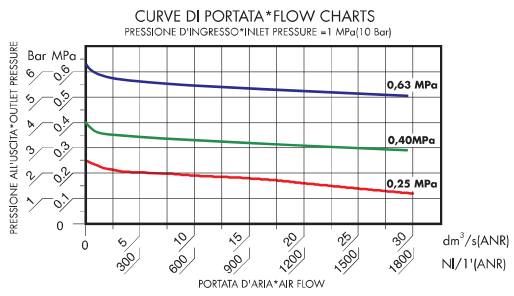
Below 3°C the air of the circuit must be free from humidity  
\* For further information, please see the datasheets of each unit.

## ORDERING CODE

CODE	REF.
050.15.00025	F+R+L 3/8" 050 20 08 R PE SS
050.15.00033	F+R+L 3/8" 050 20 12 R PE SS
050.15.00035	F+R+L 3/8" 050 5 08 R PE SS
050.15.00501	F+R+L 3/8" 050 20 08 R PE SS VL
<b>Float type automatic drain version.</b>	
050.15.00057	F+R+L 3/8" 050 20 08 R PE SA
050.15.00062	F+R+L 3/8" 050 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
050.15.00040	F+R+L 3/8" 050 20 08 R PE SAD
050.15.00041	F+R+L 3/8" 050 20 12 R PE SAD

## LINE 052-1/2

CODE	REF.
052.15.00025	F+R+L 1/2" 052 20 08 R PE SS
052.15.00035	F+R+L 1/2" 052 5 08 R PE SS
052.15.00501	F+R+L 1/2" 052 20 08 R PE SS VL
<b>Float type automatic drain version.</b>	
052.15.00057	F+R+L 1/2" 052 20 08 R PE SA
052.15.00062	F+R+L 1/2" 052 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
052.15.00037	F+R+L 1/2" 052 20 08 R PE SAD
052.15.00038	F+R+L 1/2" 052 20 12 R PE SAD



## GUIDE TO REFERENCES

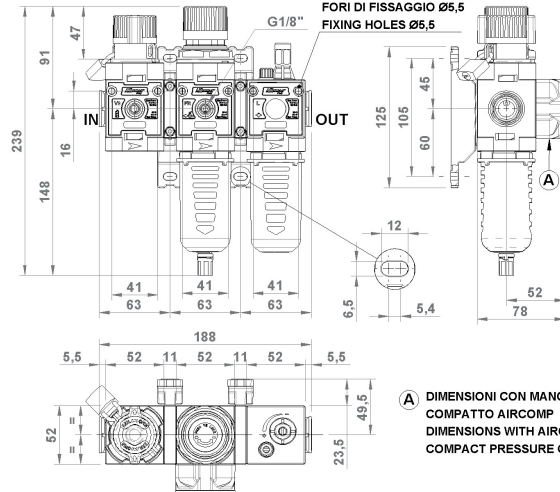
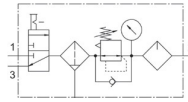
F+R+L 1/4" 042 20 08 R PE SS

<b>Product</b> <b>F+R+L</b> = Filter regulator + Lubricator	<b>Condensate Drain</b> <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	<b>Bowl</b> <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	<b>Version</b> <b>R</b> = Relieving
<b>Filtering element</b> <b>5</b> = 5 micron <b>20</b> = 20 micron	<b>Range of pressure</b> <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar



**WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?**  
 Replace 0 with "M" the the 6th digit of the part nr. for example:  
 050.15.M0025 F+R+L3/8" 050 20 08R PRESS + GAUGE

# LINE 050 3/8-052 1/2 | V3+FR+L UNITS



**A** DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP  
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

## GENERAL FEATURES

Unit consisting of 3-way Valve (V3) + Filter regulator (FR) + Lubricator (L).

It combines the function of shutting-off the system along with the filtration, pressure regulation and lubrication of compressed air for industrial applications.

Lockable V3 valve for greater safety during maintenance operations.

It is equipped with semiautomatic drain as standard (SS).

## GENERAL TECHNICAL DATA

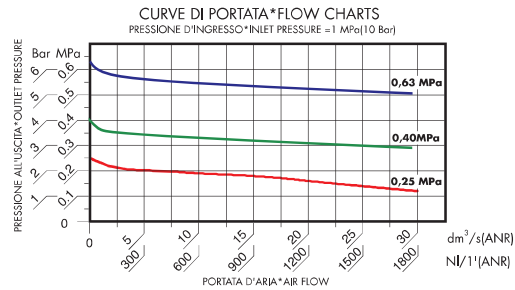
<b>INLET-OUTLET connections</b>	Line 050 3/8" – Line 052 1/2"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 – 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	1.500 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C (aria secca?)
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Max torque gauge port</b>	10 Nm
<b>Weight</b>	0,98 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>050.36.00025</b>	V3+FR+L 3/8" 050 20 08 R PE SS
<b>050.36.00001</b>	V3+FR+L 3/8" 050 20 12 R PE SS
<b>050.36.00036</b>	V3+FR+L 3/8" 050 5 08 R PE SS
<b>050.36.00501</b>	V3+FR+L 3/8" 050 20 08 R PE SS VL
<b>Float type automatic drain version.</b>	
<b>050.36.00057</b>	V3+FR+L 3/8" 050 20 08 R PE SA
<b>050.36.00059</b>	V3+FR+L 3/8" 050 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
<b>050.36.00063</b>	V3+FR+L 3/8" 050 20 08 R PE SAD
<b>050.36.00064</b>	V3+FR+L 3/8" 050 20 12 R PE SAD

CODE	REF.
<b>052.36.00025</b>	V3+FR+L 1/2" 052 20 08 R PE SS
<b>052.36.00001</b>	V3+FR+L 1/2" 052 20 12 R PE SS
<b>052.36.00036</b>	V3+FR+L 1/2" 052 5 08 R PE SS
<b>052.36.00501</b>	V3+FR+L 1/2" 052 20 08 R PE SS VL
<b>Float type automatic drain version.</b>	
<b>052.36.00057</b>	V3+FR+L 1/2" 052 20 08 R PE SA
<b>"Differential" automatic drain version.</b>	
<b>052.36.00063</b>	V3+FR+L 1/2" 052 20 08 R PE SAD



## GUIDE TO REFERENCES

**V3+FR+L 1/4" 042 20 08 R PE SS**

<b>Product</b> <b>V3+FR+L</b> = V3 + Filter regulator + Lubricator	<b>Condensate Drain</b> <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	<b>Bowl</b> <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	<b>Version</b> <b>R</b> = Relieving
<b>Filtering element</b> <b>5</b> = 5 micron <b>20</b> = 20 micron	<b>Range of pressure</b> <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar



**WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?**

Replace 0 with "M" the the 6th digit of the part nr. for example:

050.36.M0025 V3+FR+L 3/8" 050 20 08 R PE SS + GAUGE

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 050 3/8-052 1/2 | F + L UNITS

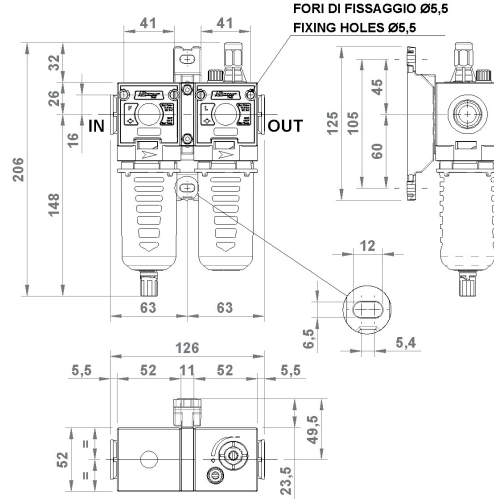
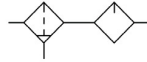
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Unit consisting of Filter and Lubricator.  
It combines the functions of filtration and lubrication of compressed air for industrial applications.  
Proportional oil mist lubricator ensuring a constant oil delivery over time.  
Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	2060 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Bowl capacity</b>	42 cc F; 61 cc L
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Recommended oil viscosity</b>	ISO VG32
<b>Weight</b>	0,49 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE LINE 050-3/8

CODE	REF.
<b>050.17.00025</b>	F+L 3/8" 050 20 PE SS
<b>050.17.00029</b>	F+L 3/8" 050 5 PE SS
<b>Float type automatic drain version.</b>	
<b>050.17.00053</b>	F+L 3/8" 050 20 PE SA
<b>050.17.00054</b>	F+L 3/8" 050 5 PE SA
<b>"Differential" automatic drain version.</b>	
<b>050.17.00030</b>	F+L 3/8" 050 20 PE SAD
<b>050.17.00031</b>	F+L 3/8" 050 5 PE SAD

## GUIDE TO REFERENCES

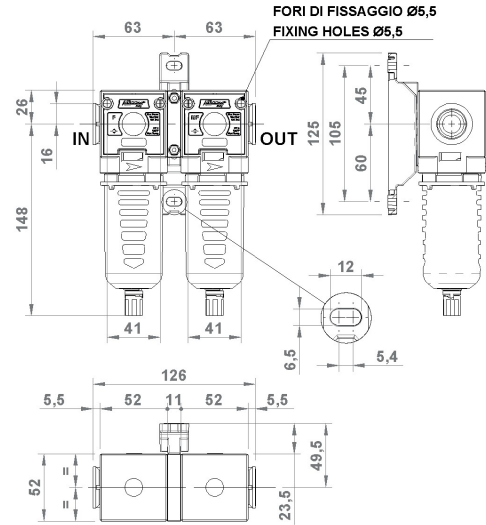
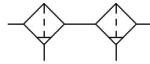
F + L 1/4" 042 20 PE SS

Product <b>F+L</b> = Filter + Lubricator	Condensate Drain <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Bowl <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	Filtering element <b>5</b> = 5 micron <b>20</b> = 20 micron

## LINE 052-1/2

CODE	REF.
<b>052.17.00025</b>	F+L 1/2" 052 20 PE SS
<b>052.17.00029</b>	F+L 1/2" 052 5 PE SS
<b>052.17.00501</b>	F+L 1/2" 052 20 PE SS VL
<b>Float type automatic drain version.</b>	
<b>052.17.00053</b>	F+L 1/2" 052 20 PE SA
<b>052.17.00054</b>	F+L 1/2" 052 5 PE SA
<b>052.17.00511</b>	F+L 1/2" 052 20 PE SA VL
<b>"Differential" automatic drain version.</b>	
<b>052.17.00055</b>	F+L 1/2" 052 20 PE SAD
<b>052.17.00056</b>	F+L 1/2" 052 5 PE SAD

# LINE 050 3/8-052 1/2 | F + MF UNITS



## GENERAL FEATURES

Filtration set combining Filter with high condensate separation and coalescing Microfilter.  
 The job of the Filter is filtering solid particles and condensate separation. The job of the coalescing Microfilter is to remove oil. It is equipped with semiautomatic drain as standard (SS).  
 Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.  
 Bowl made from hardened polyamide available in following configurations:  
 TT = transparent; PE = outer guard; TC= short transparent.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree Filter</b>	5 micron
<b>Filtering degree Microfilter</b>	0,01 micron
<b>Recommended max flow rate (P1= 10 bar ΔP= 1 bar)</b>	500 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Weight</b>	0,47 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

Line 050-3/8

CODE	REF.
<b>050.19.00001</b>	F 3/8" 050 5 PE SS+MF 3/8" 050 0,01 PE SS
<b>Float type automatic drain version.</b>	
<b>050.19.00002</b>	F 3/8" 050 5 PE SS+MF 3/8" 050 0,01 PE SA
<b>"Differential" automatic drain version.</b>	
<b>050.19.00004</b>	F 3/8" 050 5 PE SS+MF 3/8" 050 0,01 PE SAD

Line 052-1/2

CODE	REF.
<b>052.19.00001</b>	F 1/2" 052 5 PE SS+MF 1/2" 052 0,01 PE SS
<b>Float type automatic drain version.</b>	
<b>052.19.00002</b>	F 1/2" 052 5 PE SS+MF 1/2" 052 0,01 PE SA
<b>"Differential" automatic drain version.</b>	
<b>052.19.00004</b>	F 1/2" 052 5 PE SS+MF 1/2" 052 0,01 PE SAD

## GUIDE TO REFERENCES

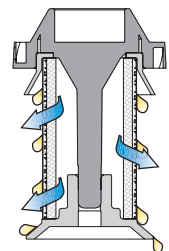
F 1/4" 042 5 PE SS +  
 MF 1/4" 042 0,01 TT SS

<b>Product</b> <b>F</b> = Filter + Microfilter <b>MF</b> = Microfilter <b>CF</b> = Activated carbon	<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4"	<b>Condensate Drain</b> <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b>	<b>Bowl</b> <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard	<b>Filtering element</b> <b>5</b> = 5 micron <b>20</b> = 20 micron <b>0,01</b> = 0,01 micron

## COALESCENT CARTRIDGE

### FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 050 3/8-052 1/2 | F + MF + CF UNITS

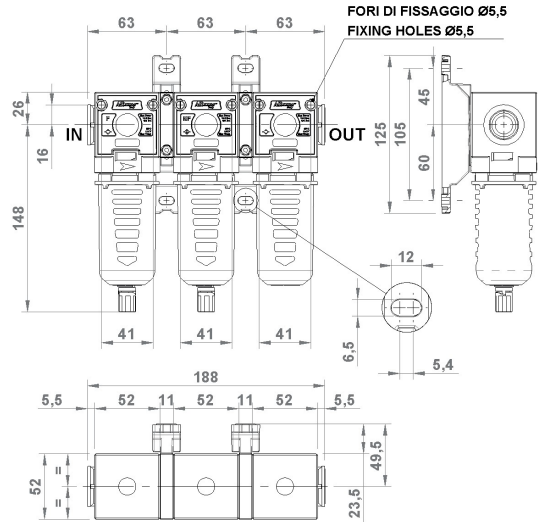
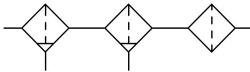
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Filtration set combining Filter with high condensate separation, coalescing Microfilter and activated carbon Filter. The job of the unit is to filter solid particles and separate condensate with the Filter along with the coalescing function of the Microfilter, besides removing unpleasant smells in the air circuit aimed at the industrial sector by means of the activated carbon. It is equipped with semiautomatic drain as standard (SS) on F and MF. Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized. Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	Line 050 3/8" - Line 052 1/2"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree Filter</b>	5 micron
<b>Filtering degree Micro-filter</b>	0,01 micron
<b>Activated carbon cartridge CF</b>	
<b>Recommended max flow rate (P1= 10 bar ΔP= 1 bar)</b>	500 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/8" 60 Nm - 1/2" 80 Nm
<b>Weight</b>	0,74 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

LINE 050-38

CODE	REF.
<b>050.18.00001</b>	F 5 PE SS+MF 0,01 PE SS+CF PE 3/8 050
<b>050.18.00008</b>	F 5 PE SS+MF 0,01 PE SA+CF PE 3/8 050

LINE 052-1/2

CODE	REF.
<b>052.18.00001</b>	F 5 PE SS+MF 0,01 PE SS+CF PE 1/2 052
<b>052.18.00002</b>	F 5 PE SS+MF 0,01 PE SA+CF PE 1/2 052

## GUIDE TO REFERENCES

**F 1/4" 042 5 PE SS +**  
**MF 1/4" 042 0,01 PE SS +**  
**CF 1/4" 042 CA PE**

Product  
**F** = Filter + Microfilter  
**MF** = Microfilter  
**CF** = Activated carbon

Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"

Line  
**042**  
**050**  
**052**  
**075**  
**080**

Condensate Drain  
**SS** = Semiautomatic (standard)  
**SA** = Automatic float type  
**SAD** = Automatic differential  
**S18** = Open seat 1/8 F

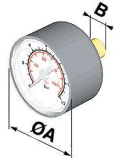
Bowl  
**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

Filtering element  
**5** = 5 micron  
**20** = 20 micron  
**0,01** = 0,01 micron  
**CA** = Activated carbon



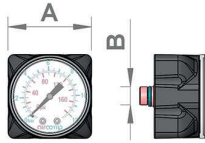
# LINE 050 3/8-052 1/2 | ACCESSORIES

## GAUGE



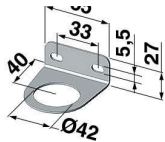
CODE	Bar	Psi	A	B	CH.
<b>A38.00.00026</b>	0-12	0-175	40	G1/8"	14
<b>A38.00.00055</b>	0-6	0-85	40	G1/8"	12
<b>A38.00.00114</b>	0-2,5	0-36	40	G1/8"	12

## COMPACT GAUGE



CODE	Bar	Psi	A	B
<b>A75.01.00045</b>	0-12	0-175	50	G1/8"

## BRACKET



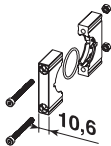
CODE
<b>C75.01.00018</b>

## "T" BRACKET KIT LINE 050 - 052



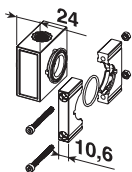
CODE
<b>C50.06.00006</b>

## KIT ASSEMBLING UNITS



CODE	PROD.
<b>C50.05.00001</b>	F+R+L
<b>C50.06.00001</b>	FR+L - F+L

## AIR TAKEOFF



CODE	CONNECTION	PROD.
<b>Air take-off</b>		
<b>C50.05.00003</b>	1/4"	F+R+L - FR+L - F+L
<b>Inlet air take-off</b>		
<b>C50.06.00002</b>	1/4"- 3/8"	tutti / all
<b>Outlet air take-off</b>		
<b>C50.06.00003</b>	1/4"- 3/8"	tutti / all

## PLUG G1/8"



CODE	PRODUCT
<b>B38.00.00018</b>	G1/8"
<b>A42.01.00010</b>	G1/4" (air takeoff)

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 050 3/8-052 1/2 | ACCESSORIES

AIR PREPARATION

## PRESSURE SWITCH



CODE	REF.
<b>A50.06.00005</b>	AP1 - 3-02-03-G

For further information about the pressure switch, please see relevant datasheet.

VALVES

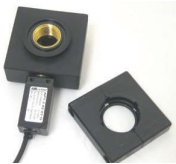
## INTERMEDIATE AIR TAKE-OFF WITH PRESSURE SWITCH LINE 050-052



CODE	REF.
<b>C50.05.00006</b>	PA 050 INTERMEDIATE + AP1

CYLINDERS

## TERMINAL AIR TAKE-OFF WITH PRESSURE SWITCH LINE 050-052 - 3/8



CODE	REF.
<b>C50.05.00007</b>	PA INLET 050 3/8 + AP1 (INLET)
<b>C50.05.00008</b>	PA OUTLET 050 3/8 + AP1 (OUTLET)

FITTINGS

## AUTOMATIC DRAIN



CODE	PRODUCT
<b>C40.02.00130 SA</b>	F - FR - MF
<b>C42.02.00012 SAD</b>	F - FR - MF

WATER PREPARATION

## MOUNTING KIT FOR AUTOMATIC DRAIN



CODE	PRODUCT
<b>C40.02.00131</b>	SA - SAD

# LINE 050 3/8-052 1/2 | SPARE PARTS

AIR PREPARATION

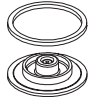
VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

## DIAPHRAGM KIT



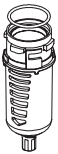
CODE	PROD.	VERSION
<b>C50.01.00021</b>	R - FR	RELIEVING

## REGULATION SPRING



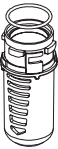
CODE	PROD.	SET REGULATION
<b>A50.01.00006</b>	MR - R - FR	0-4 Bar
<b>A50.01.00007</b>	MR - R - FR	0-8 Bar
<b>A50.01.00008</b>	MR - R - FR	0-12 Bar

## BOWL FOR FILTER



CODE	PROD.	VERSION
<b>C50.02.00002</b>	F - FR - MF	PE SS
<b>C50.02.00038</b>	F - FR - MF	PE SA
<b>C50.02.00062</b>	F - FR - MF	PE SAD

## BOWL FOR LUBRICATOR



CODE	PROD.	VERSION
<b>C50.03.00001</b>	L	PE
<b>C50.13.01000</b>	VL	PE
<b>C50.03.00038</b>	IL	PE

## OIL WINDOW



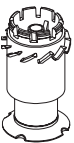
CODE	PROD.
<b>C42.03.00005</b>	L

## OIL PLUG WITH OR 2031



CODE	PROD.
<b>C75.03.00073</b>	L

## FILTERING ELEMENT



CODE	PROD.	VERSION
<b>C50.02.00005</b>	F	20 MICRON
<b>C50.02.00018</b>	FR	20 MICRON
<b>C50.02.00006</b>	F	5 MICRON
<b>C50.02.00019</b>	FR	5 MICRON
<b>C50.02.00007</b>	MF	0,01 MICRON
<b>A50.02.00009</b>	CF	CARBON

# LINE 075 1/2 | MODULAR UNITS

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

This Line consists of traditional units and complementary modules for enabling the configuration of battery sets integrated with several functions.

The complementary modules are:

V3 manual shut-off valve, lockable

SV electric or pneumatic shut-off valve

AVP slow-start valve

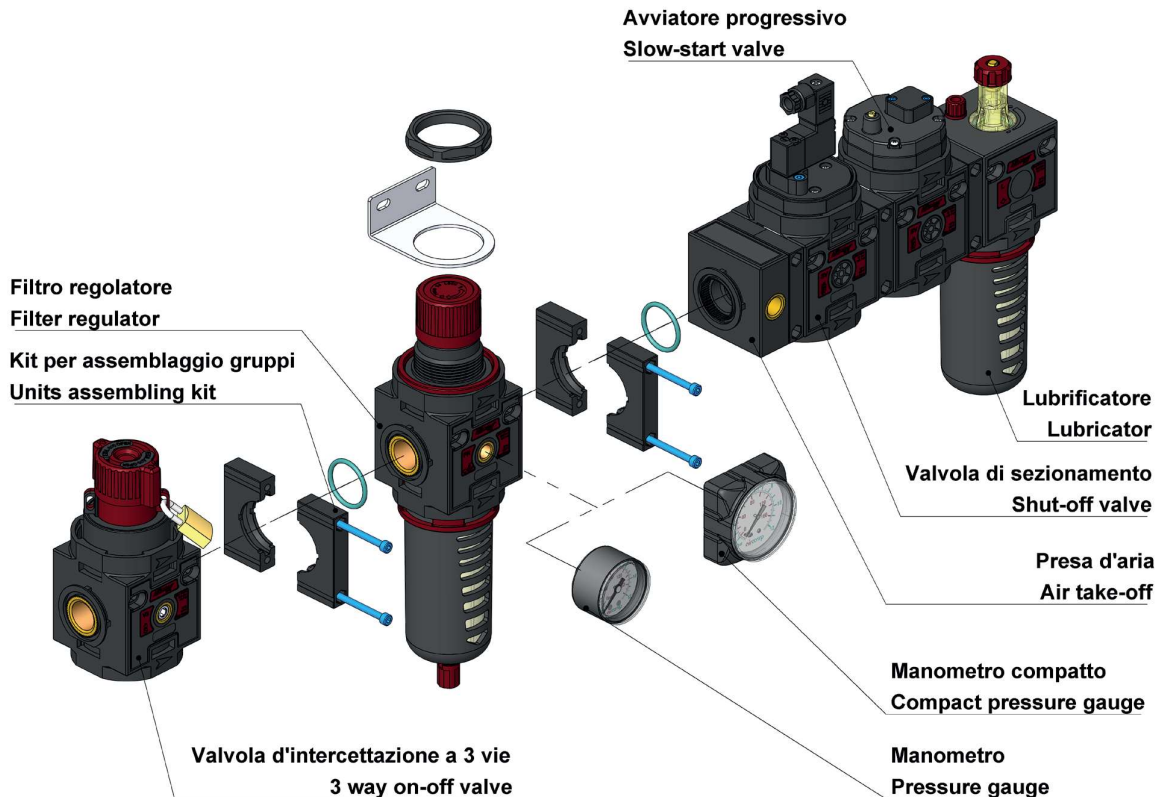
MF coalescing microfilter 0,01 micron

CF activated carbon filter

PA additional air inlet: intermediate, inlet; outlet

## GENERAL TECHNICAL DATA

<b>Fluid</b>	compressed air
<b>Working temperature (a 10 bar):</b>	-5 / +50°C
<b>Connections IN-OUT</b>	G1/2"
<b>Assembling type</b>	Assembling kit
<b>Mounting position</b>	see singol components
<b>Wall fixing</b>	through holes on the body or brackets
<b>Version with lock</b>	standard on V3

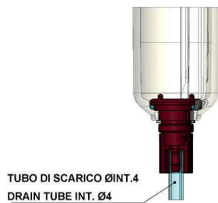


# LINE 075 1/2 | MODULAR UNITS

## CONDENSATE DRAIN

The condensate building up within the pneumatic systems is often causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the outside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

### SEMI-AUTOMATIC DRAIN (SS)



Semiautomatic drain is supplied as standard on all Aircomp Lines.

The standard drain closes when the bowl is pressurized (min.  $P = 0,5$  bar) and opens discharging the condensate whenever the unit is depressurized.

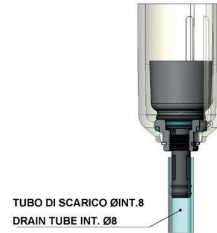
The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

### FLOAT TYPE AUTOMATIC DRAIN (SA)



Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

### DIFFERENTIAL AUTOMATIC DRAIN (SAD)



Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min.  $\Delta P = 0,2$  bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

### OPEN 1/8 CONNECTION (S18)



The seat with female thread 1/8", available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves. It is available also with locking pin with "manual drain" function.

## UNITS WITH COMPACT GAUGE

Units can be requested complete with gauge.

In this case, they are equipped with our compact gauge offering following advantages:

**Visibility:** The wide display ensures a better visibility.

**Compactness:** Designed for having reduced dimensions, the Compact Gauge restrains the risk of breaking.

**Easiness:** Simple mounting without tools. Tightness is guaranteed by an O-Ring, no teflon or sealant are required.

**Versatility:** The new Compact Gauge can be re-used on other Aircomp units. In case of need, it can be replaced with other commercial gauges.



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 075 1/2 | MODULAR UNITS

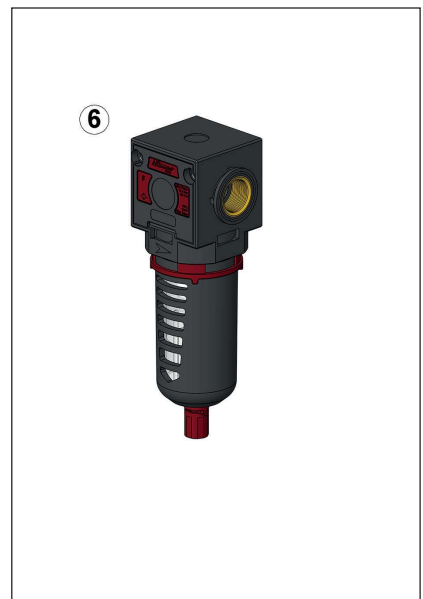
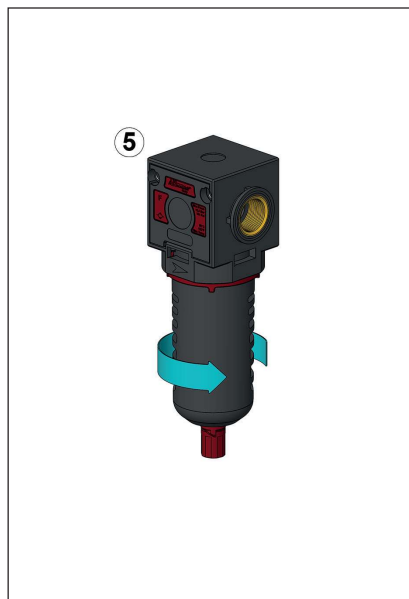
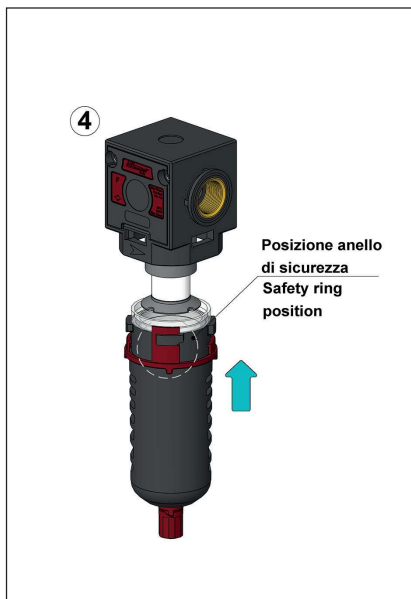
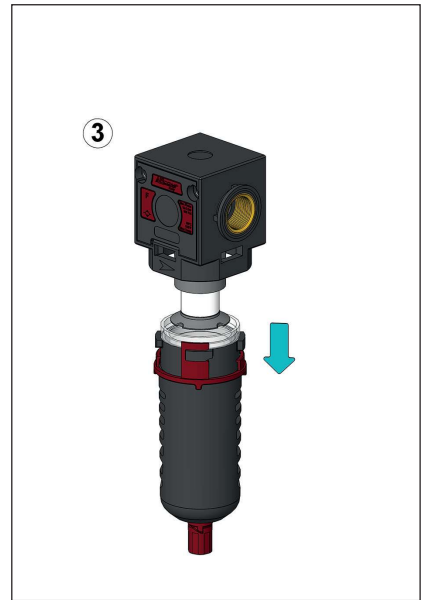
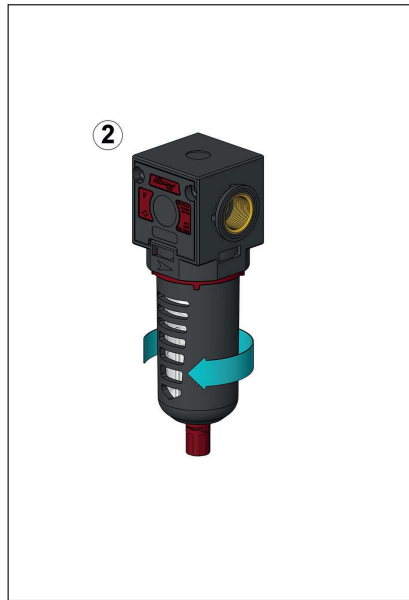
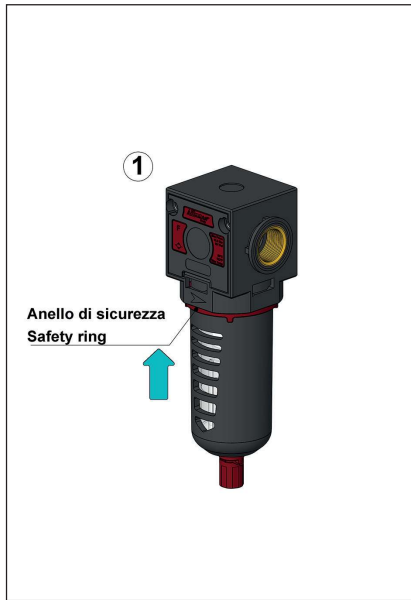
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## BOWL SAFETY RING

Bowls of Line 050, 052, 075, 080 and 095 are designed for a clip-on mounting, which enables the quick assembling and disassembling. All the bowl are equipped with a particular safety ring in order to prevent the accidental disassembly when the unit is pressurized. For disassembling the bowl, it is actually necessary carrying out three movements in a sequence:

1. Lifting the safety ring Pic. 1
2. Turning the bowl clockwise Pic. 2
3. Lowering the bowl Pic. 3

It is not possible to disassemble the bowl when the safety ring is lowered.

Movements 1. and 2., to be executed in a sequence, increase the operator's attention on the intervention he is carrying out.

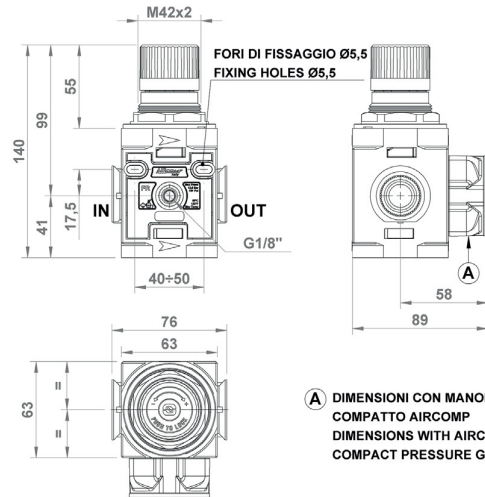


Attention: the disassembling of the bowl must always be executed when the unit is depressurized.

The bowl reassembling can be easily executed following these steps:

1. Check that the safety ring is in its correct position (on the clamping tooth) as in Pic. 4
2. Fit the bowl into the body seat and lock it turning anticlockwise Pic. 5
3. Make sure that the safety ring is brought back to the correct position Pic. 6

# LINE 075 1/2 | MODULAR REGULATORS



**A** DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP  
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

## GENERAL FEATURES

Modular regulator with balanced valve which ensures big flow rate and low load loss.

Relieving for a quick exhaust of the downstream overpressure.

Knob with pressure locking device.

Equipped with nut and nr. plug.

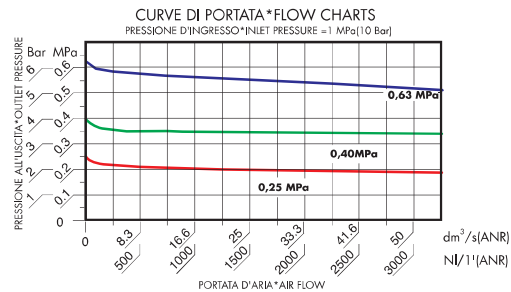
## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1/2"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Reference flow rate (P1= 6,3 bar P= 1bar)</b>	2.880 NI/min
<b>Max Torque IN OUT</b>	1/2" 80 Nm
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Max torque gauge port</b>	<b>round:</b> 10 Nm <b>compact:</b> manual
<b>Weight</b>	0,435 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>075.11.00003</b>	R 1/2" 075 04 R
<b>075.11.*****</b>	R 1/2" 075 08 R
<b>075.11.00002</b>	R 1/2" 075 12 R



## GUIDE TO REFERENCES

**R 1/4" 042 08 R**

Product <b>R</b> = Regulator	Special type <b>LK</b> = Lockable
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Version = Standard <b>B</b> = For battery
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	Version <b>R</b> = Relieving
	Range of pressure <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar



WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace O with "M" the the 6th digit of the part nr. for example:

075.11.M0003 R 1/2" 075 04 R + GAUGE

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 075 1/2 | MODULAR FILTERS

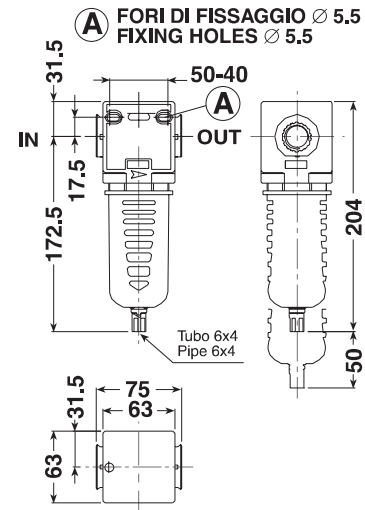
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss. It can be wall mounted through the holes prearranged on the body. Equipped with semiautomatic drain as standard (SS). Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized. Bowl made from hardened polyamide with outer guard.

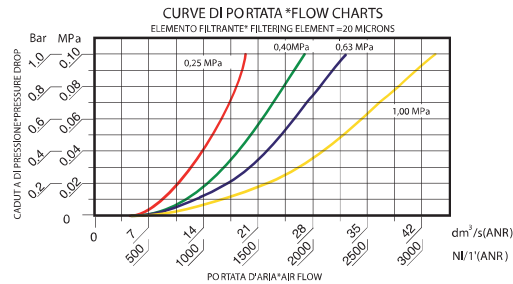
## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G1/2"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	3.110 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Bowl capacity</b>	100 cc
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Weight</b>	0,355 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>075.12.00025</b>	F 1/2" 075 20 PE SS
<b>075.12.00057</b>	F 1/2" 075 5 PE SS
<b>Float type automatic drain version.</b>	
<b>075.12.00026</b>	F 1/2" 075 20 PE SA
<b>075.12.00058</b>	F 1/2" 075 5 PE SA
<b>"Differential" automatic drain version.</b>	
<b>075.12.00076</b>	F 1/2" 075 20 PE SAD
<b>075.12.00077</b>	F 1/2" 075 5 PE SAD



## GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product  
**F** = Filter  
**MF** = Microfilter  
**CF** = Activated carbon

Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"  
**1"** = G 1"

Line  
**042**  
**050**  
**052**  
**075**  
**080**  
**095**

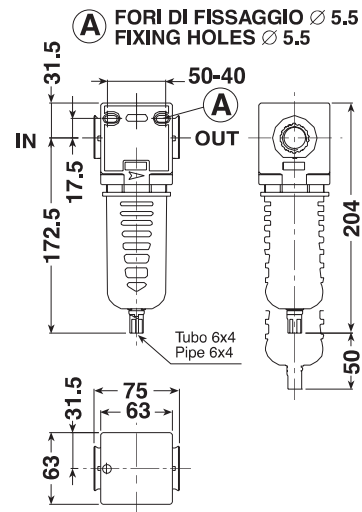
Condensate Drain  
**SS** = Semiautomatic (standard)  
**SA** = Automatic float type  
**SAD** = Automatic differential  
**S18** = Open seat 1/8 F

Bowl  
**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

Filtering element  
**5** = 5 micron  
**20** = 20 micron  
**0,01** = 0,01 micron  
**CA** = Activated carbon



# LINE 075 1/2 | COALESCING MICROFILTERS (OIL REMOVER)



## GENERAL FEATURES

Modular filter with coalescing cartridge made from glass borosilicate fiber providing high filtering efficiency (99,97% on 0,01 micron particles).

It is recommended to install a 5 micron filter upstream in order to allow a longer life of the coalescing cartridge.

Application: it is suitable for removing oil remnants in pneumatic circuits.

It can be wall mounted through the holes prearranged on the body. Equipped with semiautomatic condensate drain as standard (SS). Bowl made from hardened polyamide with outer guard.

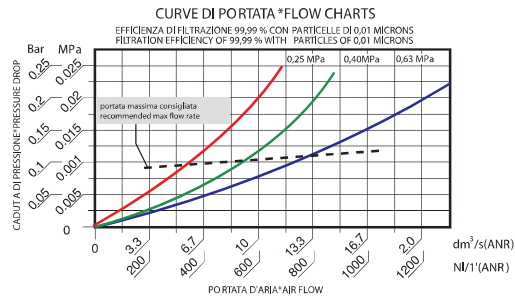
## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1/2"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Filtering degree</b>	0,01 micron
<b>Recommended max flow rate (6,3 bar):</b>	800 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN OUT</b>	1/2" 80 Nm
<b>Weight</b>	0,355 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>075.12.00027</b>	MF 1/2" 075 0,01 PE SS
Float type automatic drain version.	
<b>075.12.00028</b>	MF 1/2" 075 0,01 PE SA
"Differential" automatic drain version.	
<b>075.12.00078</b>	MF 1/2" 075 0,01 PE SAD



## GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
<b>F</b> = Filter
<b>MF</b> = Microfilter
<b>CF</b> = Activated carbon

Connection
<b>1/4"</b> = G 1/4"
<b>3/8"</b> = G 3/8"
<b>1/2"</b> = G 1/2"
<b>3/4"</b> = G 3/4"
<b>1"</b> = G 1"

Line
<b>042</b>
<b>050</b>
<b>052</b>
<b>075</b>
<b>080</b>
<b>095</b>

Condensate Drain
<b>SS</b> = Semiautomatic (standard)
<b>SA</b> = Automatic float type
<b>SAD</b> = Automatic differential
<b>S18</b> = Open seat 1/8 F

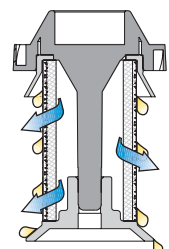
Bowl
<b>TT</b> = Transparent (Line 042 only)
<b>TC</b> = Short transparent (Line 042 only)
<b>PE</b> = With outer guard

Filtering element
<b>5</b> = 5 micron
<b>20</b> = 20 micron
<b>0,01</b> = 0,01 micron
<b>CA</b> = Activated carbon

## COALESCENT CARTRIDGE

### FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 075 1/2 | CARBON FILTERS

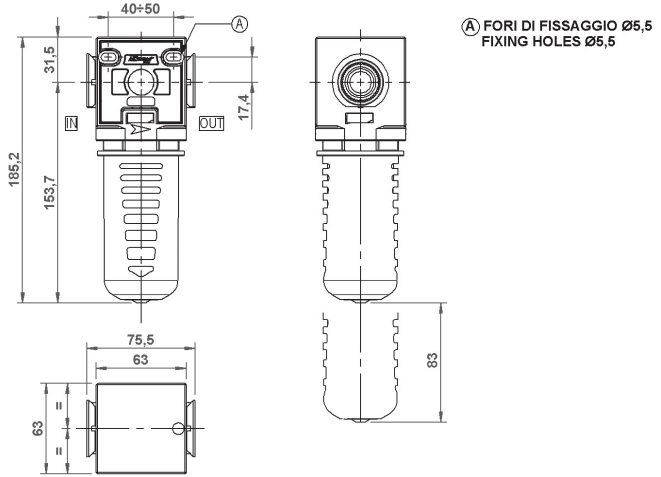
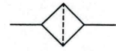
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



### GENERAL FEATURES

Aircomp activated carbon filter exploits the absorption properties of activated carbon in order to increase air purity and eliminate unpleasant smell in the air aimed at the industrial sector. The activated carbon filter, in order to guarantee its performance, needs to be associated with a coalescing filter, that should be preceded by a 5 Micron filter (F+MF+CF). It can be wall mounted through the holes prearranged on the body. Closed bowl (without drain) made from hardened polyamide with outer guard.

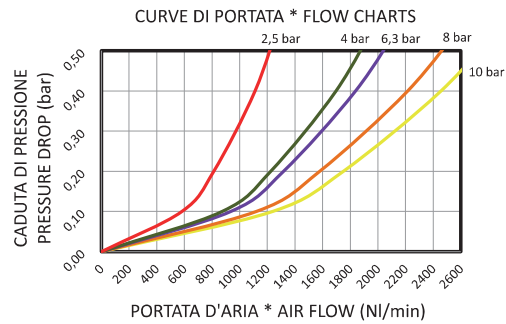
### GENERAL TECHNICAL DATA

<b>Fluid</b>	compressed air
<b>INLET-OUTLET connections</b>	G1/2"
<b>Maximum inlet pressure</b>	12,5 Bar
<b>Filtering cartridge</b>	activated carbon
<b>Life of cartridge</b>	Replacement against pressure drop higher than 0,75 bar. Anyhow, do not exceed 2.000 working hours. Replace the cartridge as recommended, the saturation of the activated carbon may not cause pressure drop.
<b>Reference flow rate</b>	see the flow chart
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Weight</b>	0,335 kg

Below 3°C the air of the circuit must be free from humidity

### ORDERING CODE

<b>CODE</b>	REF.
<b>075.12.00300</b>	CF 1/2" 075 CA PE



### GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

- F** = Filter
- MF** = Microfilter
- CF** = Activated carbon

Connection

- 1/4"** = G 1/4"
- 3/8"** = G 3/8"
- 1/2"** = G 1/2"
- 3/4"** = G 3/4"
- 1"** = G 1"

Line

- 042**
- 050**
- 052**
- 075**
- 080**
- 095**

Condensate Drain

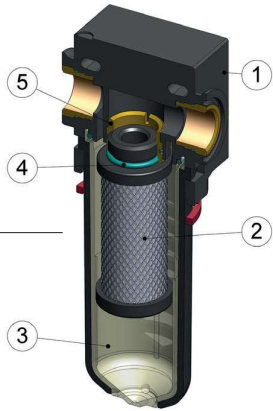
- SS** = Semiautomatic (standard)
- SA** = Automatic float type
- SAD** = Automatic differential
- S18** = Open seat 1/8 F

Bowl

- TT** = Transparent (Line 042 only)
- TC** = Short transparent (Line 042 only)
- PE** = With outer guard

Filtering element

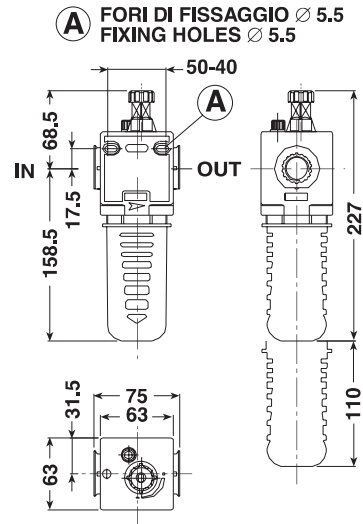
- 5** = 5 micron
- 20** = 20 micron
- 0,01** = 0,01 micron
- CA** = Activated carbon



### USED MATERIALS

- 1. Body** - PA + BRASS
- 2. Carbon filter cartridge**
- 3. Bowl** - Toughened PA
- 4. O-ring** - NBR
- 5. Brass insert**

# LINE 075 1/2 | LUBRICATORS



## GENERAL FEATURES

Proportional oil mist lubricator allowing a constant oil delivery over time.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

Oil filling plug.

It can be wall mounted through the holes prearranged on the body.

Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G1/2"
<b>Maximum inlet pressure</b>	12,5 Bar
<b>Bowl capacity</b>	140 cc
<b>Recommended oil viscosity</b>	ISO VG32
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	3,550 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Weight</b>	0,335 kg

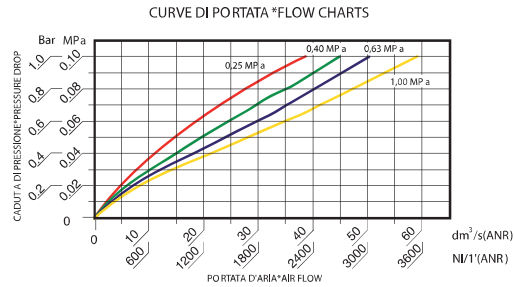
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

<b>CODE</b>	<b>REF.</b>
<b>075.13.00025</b>	L 1/2" 075 PE

## MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm <sup>3</sup> /s (ANR)	NI/1' (ANR)	SCFM
36	0,25	2,50	0,25	15	0.5
58	0,40	4,00	0,30	18	0.63
91	0,63	6,30	0,38	23	0.8



## GUIDE TO REFERENCES

### L 1/4" 042 PE

Product

**L** = Lubricator

Connection

**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"  
**1"** = G 1"

Line

**042**  
**050**  
**052**  
**075**  
**080**  
**095**

Version

= Standard  
**VL** = Vacuum filling  
**IL** = Min Level indicator  
**IM** = Max/Min Level indicator (Line 095 only)

Bowl

**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 075 1/2 | LUBRICATOR WITH LEVEL INDICATORS

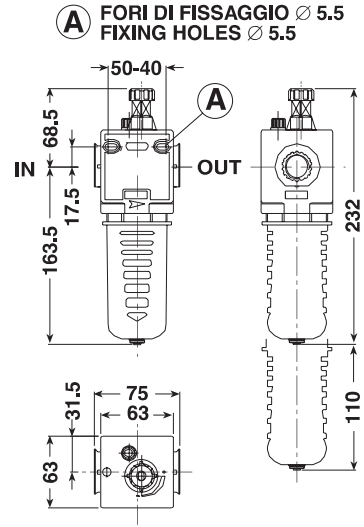
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Lubricator equipped with float type level indicator, emitting an electric signal able to control light indicators or acoustic alarms upon reaching the minimum level.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

It can be wall mounted through the holes prearranged on the body. Closed bowl made from hardened polyamide, with outer guard.

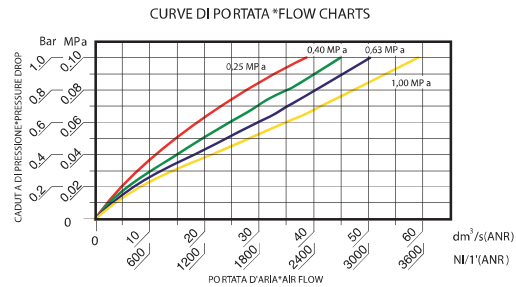
## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1/2"
<b>Maximum inlet pressure</b>	7 Bar
<b>Maximum voltage</b>	100 V AC
<b>Electric contact</b>	0,75 A 10W Protection IP 65
<b>Bowl capacity</b>	132 cc
<b>Recommended oil viscosity</b>	ISO VG32
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	3,020 NI/min
<b>Working temperature (a 7 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Weight</b>	0,385 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>075.13.00032</b>	L 1/2" 075 PE IL

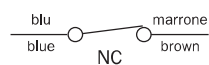
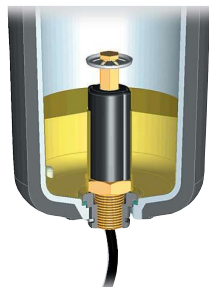


## GUIDE TO REFERENCES

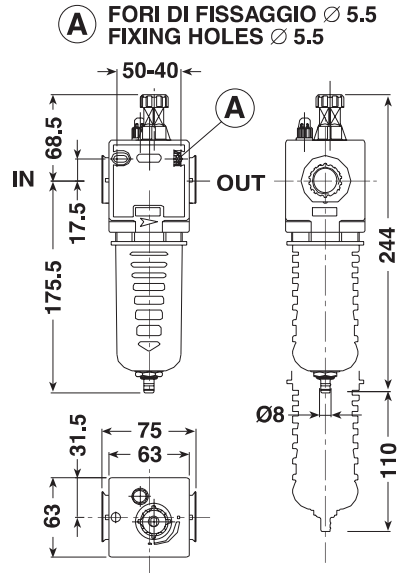
### L 1/4" 042 PE

Product <b>L</b> = Lubricator	Version = standard <b>VL</b> = Vacuum filling <b>IL</b> = Min Level indicator <b>IM</b> = Max/Min Level indicator (Line 095 only)
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Bowl <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	

## LEVEL INDICATOR



# LINE 075 1/2 | VL VACUUM FILLING LUBRICATORS



## GENERAL FEATURES

Proportional oil mist lubricator with oil filling from an external tank without interrupting the operation of the system.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

It can be wall mounted through the holes prearranged on the body.

Closed bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1/2"
<b>Working pressure</b>	min. 4 Bar - max 12,5 Bar
<b>Bowl capacity</b>	140 cc
<b>Recommended oil viscosity</b>	ISO VG32
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	3.550 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Weight</b>	0,395kg

Below 3°C the air of the circuit must be free from humidity

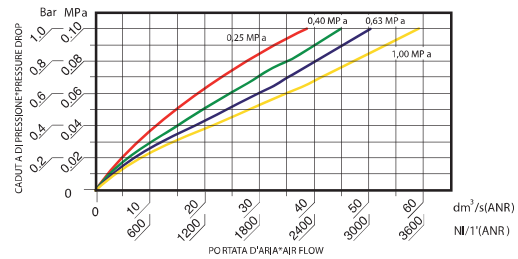
## ORDERING CODE

CODE	REF.
<b>075.13.00500</b>	L 1/2" 075 PE VL

## MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm <sup>3</sup> /s (ANR)	NI/1' (ANR)	SCFM
36	0,25	2,50	0,25	15	0.5
58	0,40	4,00	0,30	18	0.63
91	0,63	6,30	0,38	23	0.8

CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

### L 1/4" 042 PE

Product <b>L</b> = Lubricator	Version = standard <b>VL</b> = Vacuum filling <b>IL</b> = Min Level indicator <b>IM</b> = Max/Min Level indicator (Line 095 only)
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Bowl <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	

## FUNCTIONING VL

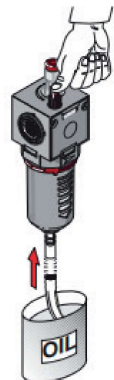
The oil filling is achieved by pressing and holding the button at the base of the lubricator body.

The "Venturi" system causes a vacuum inside the bowl and the related oil intake.

The oil filling is stopped only upon releasing the button.

The oil level is visually checked during the filling.

Max. suction height : 1,5 m.



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 075 1/2 | FILTER REGULATORS

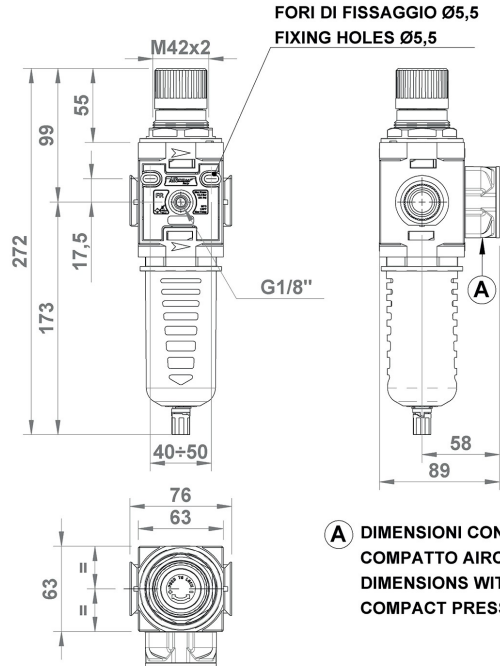
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



**A** DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP  
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

## GENERAL FEATURES

High performance modular filter regulator ensuring big flow rate and low load loss.  
Relieving for a quick exhaust of the downstream overpressure.  
Knob with locking pressure device.  
Equipped with semiautomatic drain as standard (SS).  
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.  
Bowl made from hardened polyamide with outer guard.

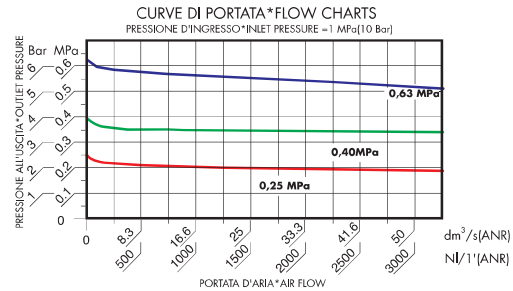
## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G1/2"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	2.880 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Max torque gauge port</b>	round: 10 Nm compact: manual
<b>Bowl capacity</b>	100 cc
<b>Weight</b>	0,565 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
075.14.00025	FR 1/2" 075 20 08 R PE SS
075.14.00053	FR 1/2" 075 20 12 R PE SS
075.14.00062	FR 1/2" 075 5 04 R PE SS
075.14.00063	FR 1/2" 075 5 08 R PE SS
075.14.00064	FR 1/2" 075 5 12 R PE SS
<b>Float type automatic drain version.</b>	
075.14.00026	FR 1/2" 075 20 08 R PE SA
075.14.00065	FR 1/2" 075 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
075.14.00097	FR 1/2" 075 20 08 R PE SAD
075.14.00098	FR 1/2" 075 20 12 R PE SAD



## GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product <b>FR</b> = Filter regulator	Condensate Drain <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Bowl <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	Version <b>R</b> = Relieving
Filtering element <b>5</b> = 5 micron <b>20</b> = 20 micron	Range of pressure <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar



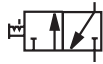
## WOULD YOU LIKE TO ORDER

THE REGULATOR COMPLETE WITH GAUGE?

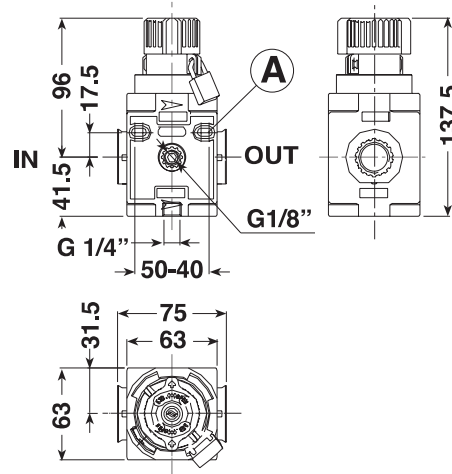
Replace 0 with "M" the the 6th digit of the part nr. for example:

075.14.M0025 FR1/2" 075 20 08R PE SS + GAUGE

# LINE 075 1/2 | 3-WAY VALVES WITH LOCK



**A** FORI DI FISSAGGIO  $\varnothing$  5.5  
FIXING HOLES  $\varnothing$  5.5



## GENERAL FEATURES

The job of this 3-way on-off valve is to shut off air supply and exhaust the pressure in the downstream circuit. Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations with total safety, thus avoiding the system from being accidentally pressurized. The valve is equipped with nr. 1 lock and nr. 2 keys.

## GENERAL TECHNICAL DATA

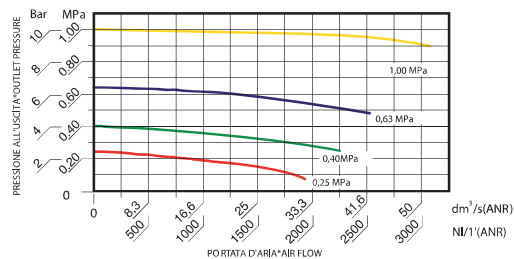
<b>INLET-OUTLET connections</b>	1/2"
<b>Exhaust connection</b>	1/4"G
<b>Maximum inlet pressure</b>	12,5 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	3.075 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.850 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Weight</b>	0,390 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>075.25.00001</b>	V 1/2" 075 V 3

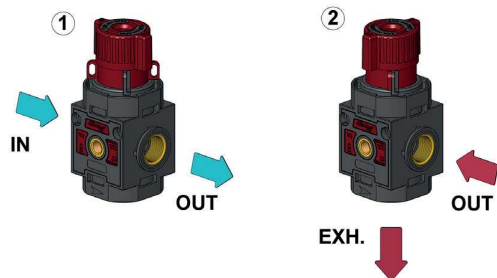
CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

V 1/4" 042 3V

<b>Product</b> V = 3 way Valve	<b>Functioning</b> 3V = 3 Way
<b>Connection</b> 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4"	<b>Line</b> 042 050 052 075 080



1. with OPEN VALVE

2. with CLOSED VALVE

IN and OUT are in communication for an open air flow

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 075 1/2 | ELECTRICAL SHUT-OFF VALVES 15MM

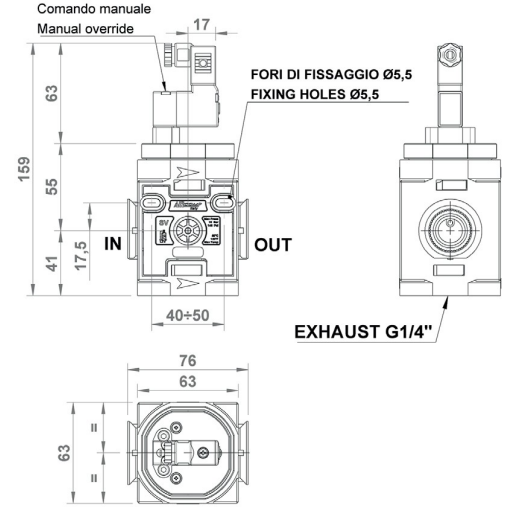
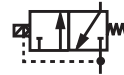
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



### GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit. The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control console. Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

### GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1/2"
<b>Exhaust connection</b>	1/4"G
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate (P1= 10 bar P= 1 Bar)</b>	3,075 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.850 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Electric pilot</b>	3/2 NC 15 mm (Microsol type)
<b>Available voltage</b>	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
<b>Weight</b>	0,450kg

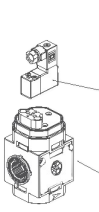
Below 3°C the air of the circuit must be free from humidity

### ORDERING PART NR. COMPLETE UNIT

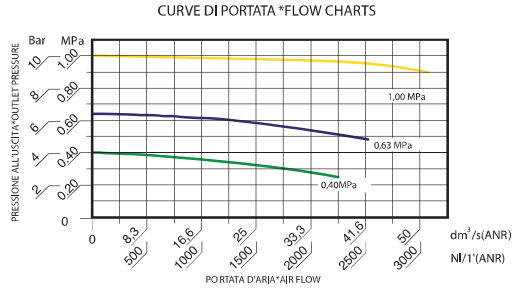


CODE	REF.
075.26.00102	SV 1/2 075 15MM 12V DC
075.26.00202	SV 1/2 075 15MM 24V DC
075.26.00602	SV 1/2 075 15MM 24V AC
075.26.00702	SV 1/2 075 15MM 110V AC
075.26.00802	SV 1/2 075 15MM 220V AC

### ORDERING PART NR. SEPARATE COMPONENTS



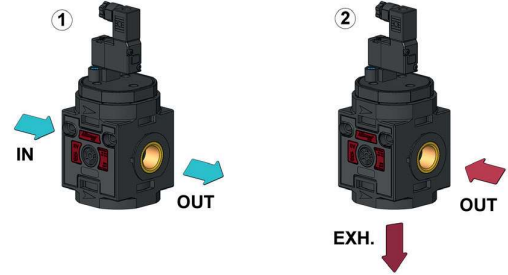
CODE	REF.
C50.26.00002	KIT C. ELECTR. 3/2 NC 2,5W 24V DC MICROSOL
C50.26.00003	KIT C. ELECTR. 3/2 NC 3VA 24V AC MICROSOL
C50.26.00004	KIT C. ELECTR. 3/2 NC 3VA 110V AC MICROSOL
C50.26.00005	KIT C. ELECTR. 3/2 NC 3VA 220V AC MICROSOL
075.26.00002	SV 1/2" 075 PRED. C. ELECTR. MICROSOL/PNEUM



### GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

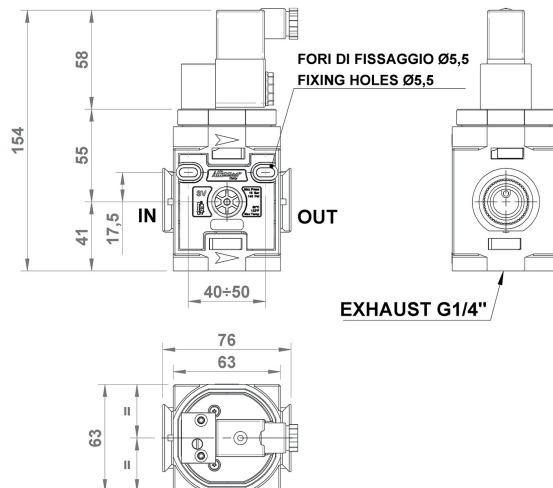
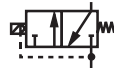
Product <b>SV</b> = Shut-off valve	Voltage <b>12 VDC</b> <b>24 VDC</b> <b>24 VAC</b> <b>110 VAC</b> <b>220 AC</b>
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4"	Version <b>15MM</b> = Solenoid pilot 15 mm <b>CNOM</b> = Electric controlC-NOMO <b>PNEU</b> = Pneumatic
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b>	



1. with actuated pilot, the SV is open (IN-OUT communication)  
2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)



# LINE 075 1/2 | ELECTRICAL SHUT-OFF VALVES CNOMO



## GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit. The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control console. Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1/2"
<b>Exhaust connection</b>	1/4" G
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate (P1= 10 bar P= 1 Bar)</b>	3.075 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.850 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Electric pilot</b>	3/2 NC (tipo CNOMO) for coil 22mm
<b>Available voltage</b>	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
<b>Weight</b>	0.520kg

Below 3°C the air of the circuit must be free from humidity

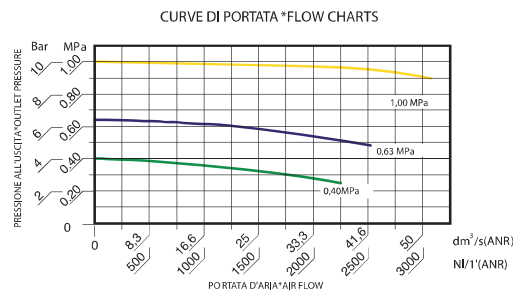
## ORDERING PART NR. COMPLETE UNIT



CODE	REF.
075.26.00101	SV 1/2 075 CNOM 12V DC
075.26.00201	SV 1/2 075 CNOM 24V DC
075.26.00601	SV 1/2 075 CNOM 24V AC
075.26.00701	SV 1/2 075 CNOM 110V AC
075.26.00801	SV 1/2 075 CNOM 220V AC

## ORDERING PART NR. SEPARATE COMPONENTS

CODE	REF.
A50.26.00010	CONN. CNOMO
A50.26.00006	SOL. 3W 24V DC
A50.26.00007	SOL. 5VA 24V AC
A50.26.00008	SOL. 5VA 110V AC
A50.26.00009	SOL. 5VA 220V AC
C50.26.00006	C.ELECTR EV 3/2 NC CNOMO
075.26.00001	SV 1/2" 075 PRED. C. ELECTR. CNOMO



## GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product  
**SV** = Shut-off valve

Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"

Line

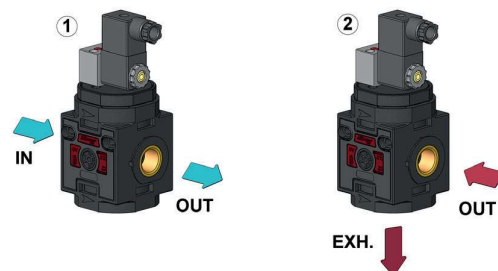
**042**  
**050**  
**052**  
**075**  
**080**

Voltage

**12 VDC**  
**24 VDC**  
**24 VAC**  
**110 VAC**  
**220 AC**

Version

**15MM** = Solenoid pilot 15 mm  
**CNOM** = Electric controlC-NOMO  
**PNEUMATIC** = Pneumatic connection



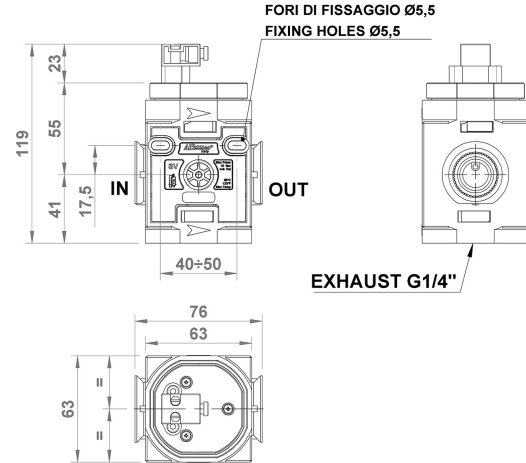
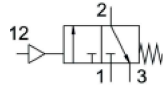
1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

# LINE 075 1/2 | PNEUMATIC SHUT-OFF VALVES

AIR PREPARATION

VALVES



CYLINDERS

## GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.

The pneumatic model is actuated through a pneumatic piloting operated by selectors or by mushroom actuators present on the control console.

Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit in any emergency situation.

FITTINGS

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1/2"
<b>Exhaust connection</b>	1/4"G
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate (P1= 10 bar P= 1 Bar)</b>	3,075 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.850 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Pneumatic connection</b>	push-in fitting D. 4mm
<b>Weight</b>	0,400kg

Below 3°C the air of the circuit must be free from humidity

WATER PREPARATION

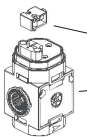
## ORDERING CODE

## ORDERING PART NR. COMPLETE UNIT



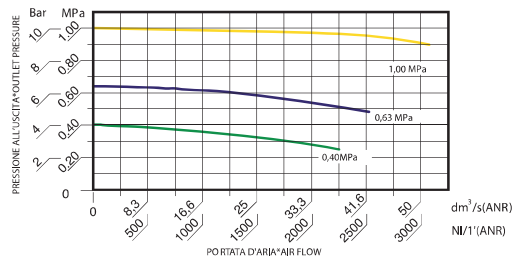
CODE	REF.
<b>075.26.00902</b>	SV 1/2 075 PNEUMATIC

## ORDERING PART NR. SEPARATE COMPONENTS



CODE	REF.
<b>C40.26.00014</b>	PNEUMATIC CONTROL KIT
<b>075.26.00002</b>	SV 1/2" 075 PRED. C. ELECTR. MICROSOL/PNEUM

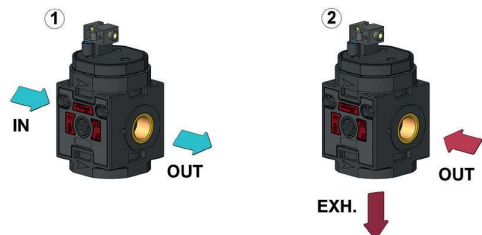
## CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

### SV 1/4" 042 15MM 24VDC

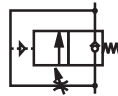
<b>Product</b> SV = Shut-off valve	<b>Voltage</b> 12 VDC 24 VDC 24 VAC 110 VAC 220 AC
<b>Connection</b> 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4"	<b>Version</b> 15MM = Solenoid pilot 15 mm CNOM = Electric control-C-NOMO PNEU = Pneumatic
<b>Line</b> 042 050 052 075 080	



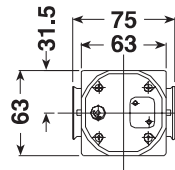
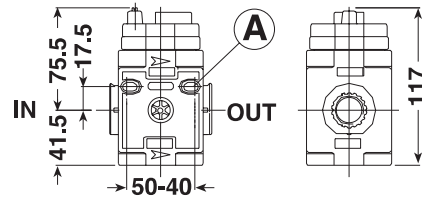
1. with piloting under pressure, the SV is open (IN-OUT communication)

2. with piloting not under pressure, the SV is closed (IN closed / OUT exhausting)

# LINE 075 1/2" | SLOW-START VALVES



**A** FORI DI FISSAGGIO Ø 5.5  
FIXING HOLES Ø 5.5



## GENERAL FEATURES

The job of the slow-start valve is to gradually pressurize the pneumatic system upon switching it on.

The gradual pressurization takes place until about 60% of the supply pressure is reached.

The pressurization time can be adjusted through the speed controller positioned in the upper part of the body.

Application: it can be singularly used, or, more commonly, assembled with the shut-off valve. The AVP avoids any dangerous pressure surge, that may be caused by quickly supplying the system to the working pressure.

## GENERAL TECHNICAL DATA

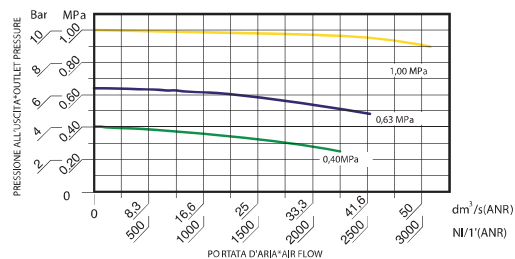
<b>INLET-OUTLET connections</b>	G1/2"
<b>Working pressure</b>	min. 3 Bar - max 10 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	3.075 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Weight</b>	0,410 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

<b>CODE</b>	<b>REF.</b>
<b>075.27.00001</b>	AVP 1/2" 075 PN Autonom.

CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

AVP 1/4" 042 PN

Product <b>AVP</b> = Slow-start valve	Functioning <b>PN</b> = Pneumatic
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4"	Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b>

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 075 1/2 | SHUT-OFF/SLOW START COMBINATIONS

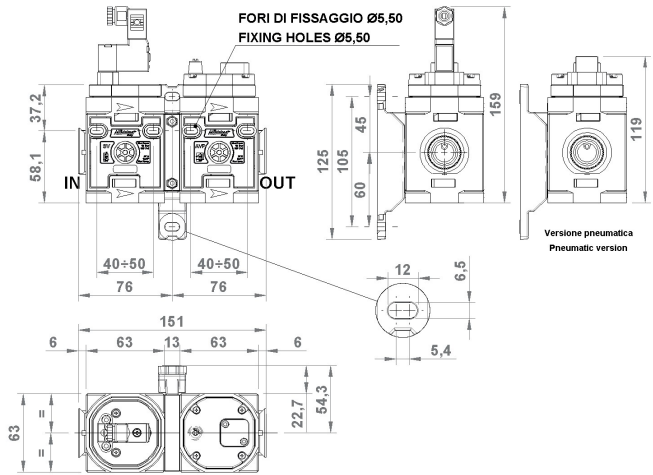
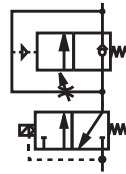
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

SVAV is a set consisting of shut-off valve (SV) and slow-start valve (AVP), assembled and equipped with electric or pneumatic control.

This complete unit, combines the functions of exhausting the pneumatic circuit and cutting-off air supply (SV) with the progressive pressurization provided by the slow-start valve (AVP).

The valves are available with electric control in different voltages or with pneumatic control.

The proposed set is ready to be subsequently assembled with other Aircomp modules, or singularly mounted.

For further information about SV and AVP, please refer to the respective datasheets.

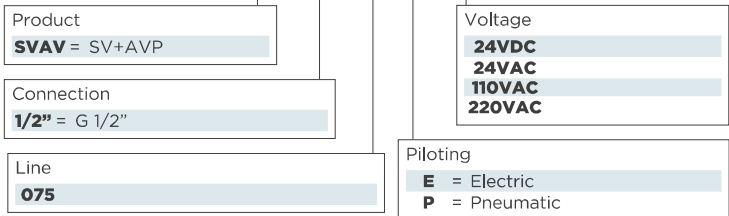
## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1/2"
<b>Exhaust connection.</b>	1/4"
<b>Working pressure</b>	min. 3 Bar - max. 10 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	3.075 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.850 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Electric pilot</b>	3/2 NC 15 mm (Microsol type)
<b>Available voltage:</b>	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
<b>Pneumatic piloting</b>	push-in fitting D. 4mm
<b>SVAV E Weight:</b>	0,885 kg
<b>SVAV P Weight</b>	0,860 kg

Below 3°C the air of the circuit must be free from humidity

## GUIDE TO REFERENCES

### SVAV 1/2" 075 E 24VDC



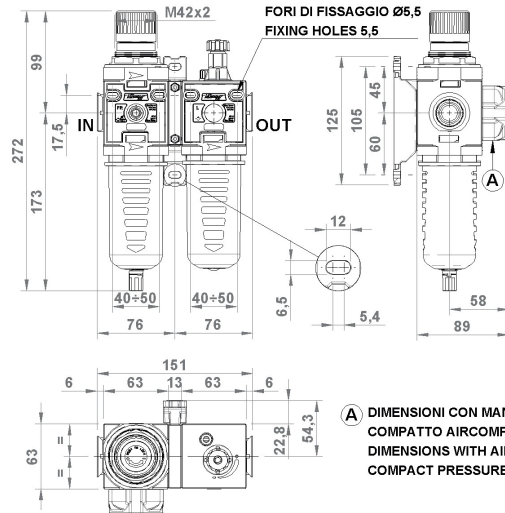
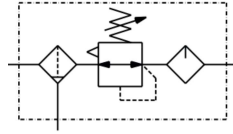
## ORDERING PART NR. ELECTRIC VERSION

CODE	REF.
<b>075.28.00001</b>	SVAV 1/2 075 E 24V DC
<b>075.28.00002</b>	SVAV 1/2 075 E 24V AC
<b>075.28.00003</b>	SVAV 1/2 075 E 110V AC
<b>075.28.00004</b>	SVAV 1/2 075 E 220V AC

## ORDERING PART NR. PNEUMATIC VERSION

CODE	REF.
<b>075.28.00005</b>	SVAV 1/2 075 P Ø4

# LINE 075 1/2 | FR + L UNITS



## GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.  
It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.  
Unit featuring big flow rate and regulation sensitivity, filtration and high condensate separation.  
Semiautomatic condensate drain supplied as standard (SS).  
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.  
Bowl made from hardened polyamide with outer guard.

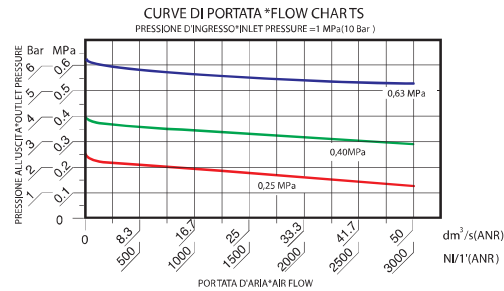
## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G1/2"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 6,3 bar ΔP= 1 bar)</b>	2.200 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Max torque gauge port compact:</b>	round: 10 Nm manual
<b>Weight</b>	0,94 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
075.16.00025	FR+L 1/2" 075 20 08 R PE SS
075.16.00053	FR+L 1/2" 075 20 12 R PE SS
075.16.00065	FR+L 1/2" 075 5 08 R PE SS
075.16.00066	FR+L 1/2" 075 5 12 R PE SS
075.16.00501	FR+L 1/2" 075 20 08 R PE SS VL
<b>Float type automatic drain version.</b>	
075.16.00026	FR+L 1/2" 075 20 08 R PE SA
075.16.00068	FR+L 1/2" 075 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
075.16.00096	FR+L 1/2" 075 20 08 R PE SAD
075.16.00097	FR+L 1/2" 075 20 12 R PE SAD



## GUIDE TO REFERENCES

FR+L 1/4" 042 20 08 R PE SS

<b>Product</b> <b>FR+L</b> = Filter regulator + Lubricator	<b>Condensate Drain</b> <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
<b>Connection</b> <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	<b>Bowl</b> <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
<b>Line</b> <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	<b>Version</b> <b>R</b> = Relieving
<b>Filtering element</b> <b>5</b> = 5 micron <b>20</b> = 20 micron	<b>Range of pressure</b> <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar



## WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

075.16.M0025 FR+L1/2" 075 20 08R PE SS + GAUGE

AIR PREPARATION

VALVES

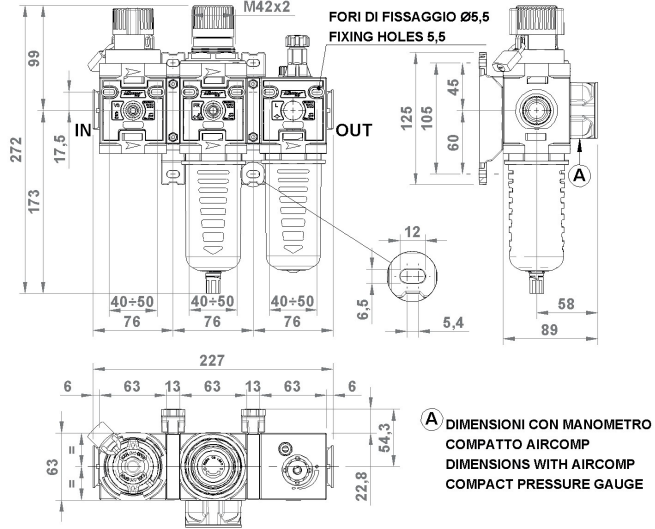
CYLINDERS

FITTINGS

WATER PREPARATION



# LINE 075 1/2 | V3+FR+L UNITS



## GENERAL FEATURES

Unit consisting of 3-way Valve (V3) + Filter regulator (FR) + Lubricator (L).

It combines the function of shutting-off the system along with the filtration, pressure regulation and lubrication of compressed air for industrial applications.

Lockable V3 valve for greater safety during maintenance operations.

It is equipped with semiautomatic drain as standard (SS).

Available options: float type automatic drain (SA) and differential (SAD), which can discharge to the outside the condensate even when the bowl is pressurized.

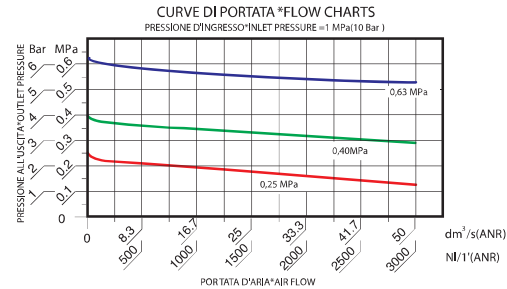
## GENERAL TECHNICAL DATA

<b>Inlet-outlet connections</b>	1/2"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 6,3 bar ΔP= 1bar)</b>	2.200 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque In OUT</b>	1/2" 80 Nm
<b>Max torque round gauge port compact:</b>	10 Nm manual
<b>Weight</b>	1,35 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
075.36.00025	V3+FR+L 1/2" 075 20 08 R PE SS
075.36.00053	V3+FR+L 1/2" 075 20 12 R PE SS
075.36.00064	V3+FR+L 1/2" 075 5 04 R PE SS
075.36.00065	V3+FR+L 1/2" 075 5 08 R PE SS
075.36.00066	V3+FR+L 1/2" 075 5 12 R PE SS
075.36.00501	V3+FR+L 1/2" 075 20 08 R PE SS VL
075.36.00505	V3+FR+L 1/2" 075 20 12 R PE SS VL
<b>Float type automatic drain version.</b>	
075.36.00026	V3+FR+L 1/2" 075 20 08 R PE SA
075.36.00068	V3+FR+L 1/2" 075 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
075.36.00072	V3+FR+L 1/2" 075 20 08 R PE SAD
075.36.00073	V3+FR+L 1/2" 075 20 12 R PE SAD



## GUIDE TO REFERENCES

V3+FR+L 1/4" 042 20 08 R PE SS

<b>Product</b> V3+FR+L = V3 + Filter regulator + Lubricator	<b>Condensate Drain</b> SS = Semiautomatic (standard) SA = Automatic float type SAD = Automatic differential S18 = Open seat 1/8 F
<b>Connection</b> 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	<b>Bowl</b> TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
<b>Line</b> 042 050 052 075 080 095	<b>Version</b> R = Relieving
<b>Filtering element</b> 5 = 5 micron 20 = 20 micron	<b>Range of pressure</b> 04 = 0 - 4 Bar 08 = 0 - 8 Bar 12 = 0 - 12 Bar



WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the 6th digit of the part nr. for example:

075.36.M0025 V3+FR+L1/2" 075 20 08R PE SS + GAUGE

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 075 1/2 | F + L UNITS

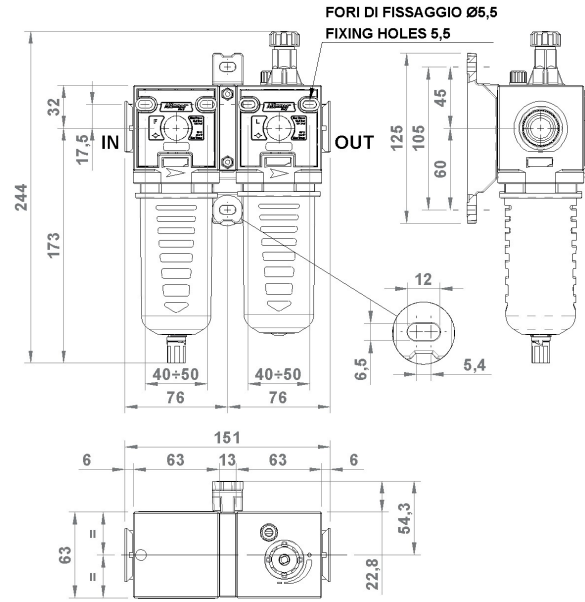
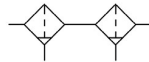
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Unit consisting of Filter and Lubricator.  
It combines the functions of filtration and lubrication of compressed air for industrial applications.  
Proportional oil mist lubricator ensuring a constant oil delivery over time.  
Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1/2"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure.</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	3.000 Nl/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Recommended oil viscosity</b>	ISO VG32
<b>Weight</b>	0,800 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>075.17.00025</b>	F+L 1/2" 075 20 PE SS
<b>075.17.00031</b>	F+L 1/2" 075 5 PE SS
<b>075.17.00501</b>	F+L 1/2" 075 20 PE SS VL
<b>Float type automatic drain version.</b>	
<b>075.17.00026</b>	F+L 1/2" 075 20 PE SA
<b>075.17.00032</b>	F+L 1/2" 075 5 PE SA
<b>075.17.00511</b>	F+L 1/2" 075 20 PE SA VL
<b>"Differential" automatic drain version.</b>	
<b>075.17.00033</b>	F+L 1/2" 075 20 PE SAD
<b>075.17.00034</b>	F+L 1/2" 075 5 PE SAD

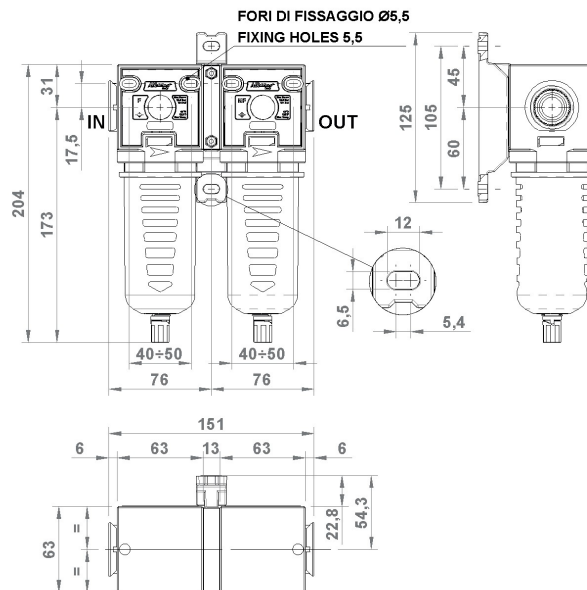
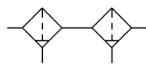
## GUIDE TO REFERENCES

F + L 1/4" 042 20 PE SS

Product <b>F+L</b> = Filter + Lubricator	Condensate Drain <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Bowl <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	Filtering element <b>5</b> = 5 micron <b>20</b> = 20 micron



# LINE 075 1/2 | F + MF UNITS



## GENERAL FEATURES

Filtration set combining Filter with high condensate separation and coalescing Microfilter.

The job of the Filter is filtering solid particles and condensate separation. The job of the coalescing Microfilter is to remove oil. It is equipped with semiautomatic drain as standard (SS).

Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G1/2"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree Filter</b>	5 micron
<b>Filtering degree Microfilter</b>	0,01 micron
<b>Recommended max flow rate (P1= 10 bar ΔP= 1 bar)</b>	800 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Weight</b>	0,76 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>075.19.00001</b>	F 1/2" 075 5 PE SS+MF 1/2" 075 0,01 PE SS
<b>Float type automatic drain version.</b>	
<b>075.19.00002</b>	F 1/2" 075 5 PE SS+MF 1/2" 075 0,01 PE SA
<b>"Differential" automatic drain version.</b>	
<b>075.19.00004</b>	F 1/2" 075 5 PE SS+MF 1/2" 075 0,01 PE SAD

## GUIDE TO REFERENCES

F 1/4" 5 PE SS +  
MF 1/4" 042 0,01 TT SS

### Product

**F** = Filter + Microfilter  
**MF** = Microfilter  
**CF** = Activated carbon

### Connection

**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"

### Line

**042**  
**050**  
**052**  
**075**  
**080**

### Condensate Drain

**SS** = Semiautomatic (standard)  
**SA** = Automatic float type  
**SAD** = Automatic differential  
**S18** = Open seat 1/8 F

### Bowl

**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

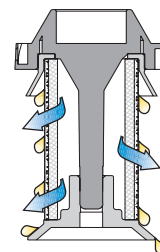
### Filtering element

**5** = 5 micron  
**20** = 20 micron  
**0,01** = 0,01 micron

## COALESCENT CARTRIDGE

### FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 075 1/2 | F + MF + CF UNITS

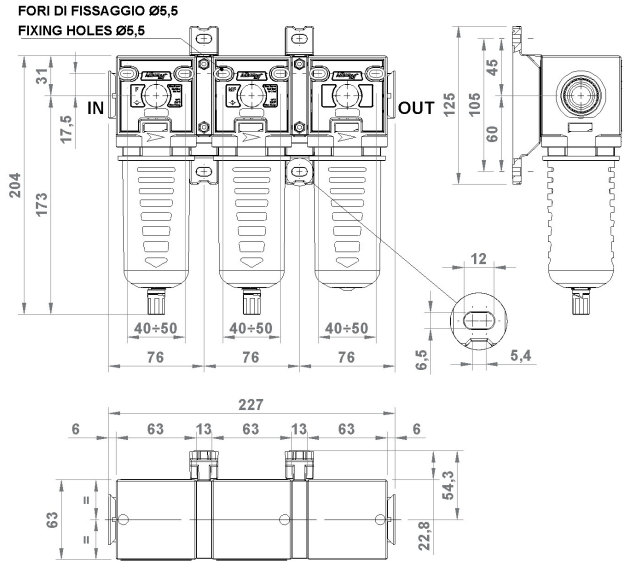
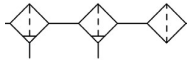
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Filtration set combining Filter with high condensate separation, coalescing Microfilter and activated carbon Filter. The job of the unit is to filter solid particles and separate condensate with the Filter along with the coalescing function of the Microfilter, besides removing unpleasant smells in the air circuit aimed at the industrial sector by means of the activated carbon. It is equipped with semiautomatic drain as standard (SS) on F and MF. Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized. Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G1/2"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree Filter</b>	5 micron
<b>Filtering degree Microfilter</b>	0,01 micron
<b>Activated carbon cartridge CF</b>	
<b>Recommended max flow rate (P1= 10 bar ΔP= 1 bar)</b>	800 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1/2" 80 Nm
<b>Weight</b>	1,150 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>075.18.00001</b>	F 5 PE SS + MF 0,01 PE SS + CF PE 1/2 075
<b>075.18.00002</b>	F 5 PE SS + MF 0,01 PE SA + CF PE 1/2 075

## GUIDE TO REFERENCES

**F 1/4" 042 5 PE SS +**  
**MF 1/4" 042 0,01 PE SS +**  
**CF 1/4" 042 CA PE**

### Product

**F** = Filtro + Microfilter  
**MF** = Microfilter  
**CF** = Activated carbon

### Connection

**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"

### Line

**042**  
**050**  
**052**  
**075**  
**080**

### Condensate Drain

**SS** = Semiautomatic (standard)  
**SA** = Automatic float type  
**SAD** = Automatic differential  
**S18** = Open seat 1/8 F

### Bowl

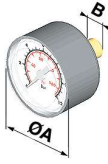
**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

### Filtering element

**5** = 5 micron  
**20** = 20 micron  
**0,01** = 0,01 micron  
**CA** = Activated carbon

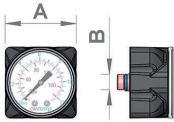
# LINE 075 1/2 | ACCESSORIES

## GAUGE



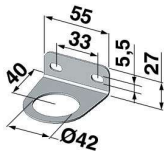
CODE	Bar	Psi	A	B	CH.
<b>A75.01.00010</b>	0-12	0-175	50	G1/8"	14
<b>A75.01.00011</b>	0-6	0-85	50	G1/8"	14

## COMPACT GAUGE



CODE	Bar	Psi	A	B
<b>A750100045</b>	0-12	0-175	50	G1/8"

## BRACKET



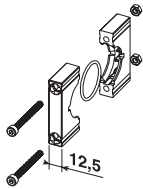
CODE
<b>C75.01.00018</b>

## "T" BRACKET KIT LINE 075 - 080



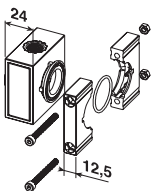
CODE
<b>C75.06.00011</b>

## KIT ASSEMBLING UNITS



CODE	PROD.
<b>C75.05.00001</b>	F+R+L
<b>C75.06.00001</b>	FR+L - F+L

## AIR TAKE-OFF



CODE	CONNECTION	PROD.
<b>Air take-off</b>		
<b>C75.06.00002</b>	1/4"	F+R+L - FR+L - F+L
<b>Inlet air take-off</b>		
<b>C75.06.00004</b>	1/4"- 1/2"	ALL
<b>Outlet air take-off</b>		
<b>C75.06.00005</b>	1/4"- 1/2"	ALL

## PLUG G1/8"



CODE	PROD.
<b>B38.00.00018</b>	MR - MR P

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 075 1/2 | ACCESSORIES

AIR PREPARATION

## PRESSURE SWITCH



CODE	REF.
<b>A50.06.00005</b>	API-3-02-03-G

## INTERMEDIATE AIR TAKE-OFF WITH PRESSURE SWITCH LINE 075

VALVES



CODE	REF.
<b>C75.06.00008</b>	PA 075 INTERMEDIATE + API

## TERMINAL AIR TAKE-OFF WITH PRESSURE SWITCH LINE 075 - 1/2

CYLINDERS



CODE	REF.
<b>C75.06.00009</b>	PA INLET 075 1/2 + API (INLET)
<b>C75.06.00010</b>	PA INLET 075 1/2 + API (INLET)

FITTINGS

## AUTOMATIC DRAIN



CODE	PROD.
<b>C40.02.00130 SA</b>	F - FR - MF
<b>C42.02.00012 SAD</b>	F - FR - MF

WATER PREPARATION

## MOUNTING KIT FOR AUTOMATIC DRAIN



CODE	PROD.
<b>C40.02.00131</b>	SA - SAD

# LINE 075 1/2 | SPARE PARTS

## DIAPHRAGM KIT



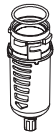
CODE	PROD.	VERSION
<b>C75.01.00023</b>	R - FR	RELIEVING

## REGULATION SPRING



CODE	PROD.	SET REGULATION
<b>A75.01.00030</b>	R - FR	0÷4 Bar
<b>A75.01.00031</b>	R - FR	0÷8 Bar
<b>A75.01.00032</b>	R - FR	0÷12 Bar

## BOWL FOR FILTER



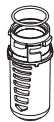
CODE	PROD.	VERSION
<b>C75.02.00022</b>	F - FR - MF	PE SS

## BOWL WITH AUTOMATIC DRAIN



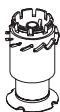
CODE	PROD.	VERSION
<b>C75.02.00026</b>	F - FR - MF	PE SA
<b>C75.02.00103</b>	F - FR - MF	PE SAD

## BOWL FOR LUBRICATOR



CODE	PROD.	VERSION
<b>C75.03.00022</b>	IL	PE
<b>C75.13.01000</b>	VL	PE
<b>C75.03.00075</b>	IL	PE

## FILTERING ELEMENT



CODE	PROD.	VERSION
<b>C75.02.00059</b>	F	20 MICRON
<b>C75.02.00064</b>	FR	20 MICRON
<b>C75.02.00063</b>	F	5 MICRON
<b>C75.02.00065</b>	FR	5 MICRON
<b>C75.02.00061</b>	MF	0,01 MICRON
<b>A75.02.00036</b>	CF	CARBON

## OIL WINDOW



CODE	PROD.
<b>C75.03.00018</b>	L

## OIL PLUG WITH OR 2031



CODE	PROD.
<b>C75.03.00073</b>	L

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 080 3/4" | MODULAR UNITS

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Line 080 - 3/4" comes from the Line 075 1/2", of which maintains the main features and performance.

The units of Line 080 consist of a central body with end-caps having 3/4" connections, that are assembled by means of a special anti-rotation joint.

The anti-rotation joint prevents the torsion of the components during the operation of connection of the unit to the supply ducts.

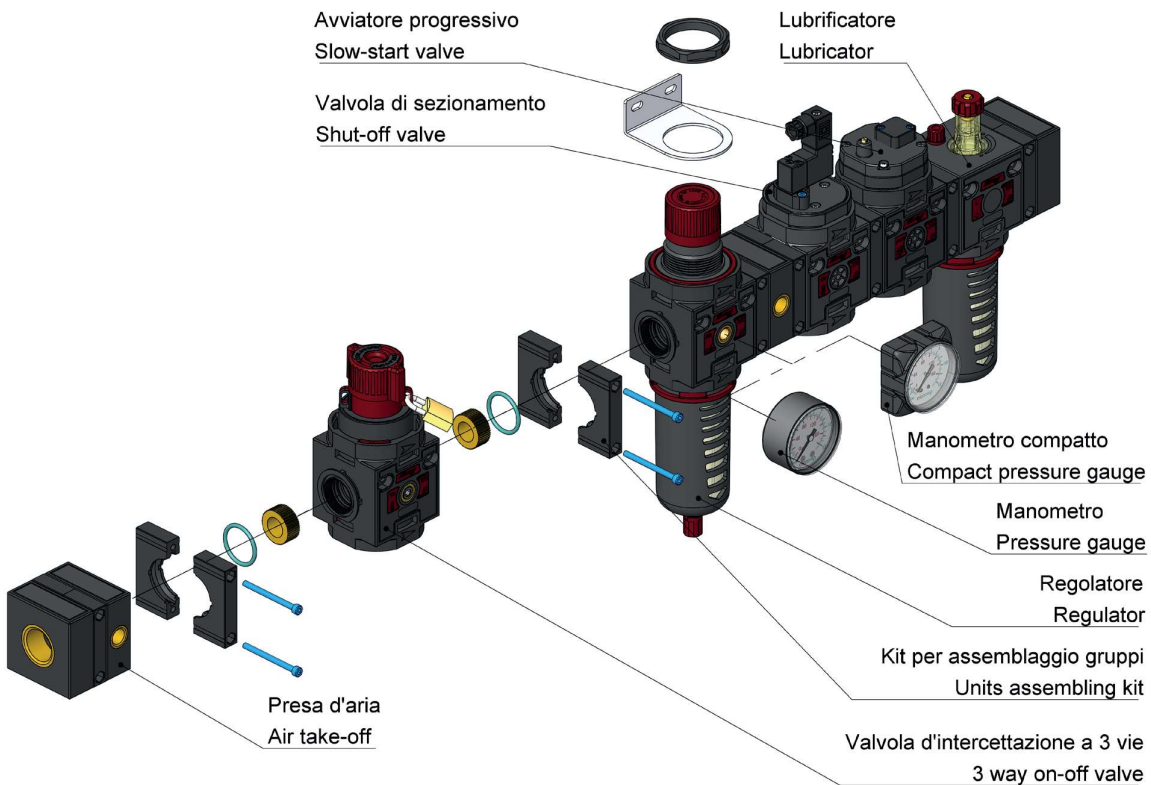
Line 080 comes complete with all the complementary modules for realizing modular sets in order to meet the requirements of each specific application.

The available complementary modules are:

- V3 manual shut-off valve, lockable
- SV electric or pneumatic shut-off valve
- AVP slow-start valve
- MF coalescing microfilter 0,01 micron
- CF activated carbon filter
- PA additional air inlet: intermediate, inlet; outlet

## GENERAL TECHNICAL DATA

<b>Fluid</b>	compressed air
<b>Working temperature (a 10 bar):</b>	-5 / +50°C*
<b>Connections IN-OUT</b>	3/4" G
<b>Assembling type</b>	Assembling kit
<b>Mounting position</b>	see singol components
<b>Wall fixing</b>	through holes on the body or brackets
<b>Version with lock</b>	standard on V3



# LINE 080 3/4" | MODULAR UNITS

## CONDENSATE DRAIN

The condensate building up within the pneumatic systems is often causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the outside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

### SEMI-AUTOMATIC DRAIN (SS)



Semiautomatic drain is supplied as standard on all Aircomp Lines.

The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.

The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

### FLOAT TYPE AUTOMATIC DRAIN (SA)



Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

### DIFFERENTIAL AUTOMATIC DRAIN (SAD)



Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 0,2 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

### OPEN 1/8 CONNECTION (S18)



The seat with female thread 1/8", available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves. It is available also with locking pin with "manual drain" function.

## UNITS WITH COMPACT GAUGE

Units can be requested complete with gauge.

In this case, they are equipped with our compact gauge offering following advantages:

**Visibility:** The wide display ensures a better visibility.

**Compactness:** Designed for having reduced dimensions, the Compact Gauge restrains the risk of breaking.

**Easiness:** Simple mounting without tools. Tightness is guaranteed by an O-Ring, no teflon or sealant are required.

**Versatility:** The new Compact Gauge can be re-used on other Aircomp units. In case of need, it can be replaced with other commercial gauges.



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 080 3/4 | MODULAR UNITS

AIR PREPARATION

## BOWL SAFETY RING

Bowls of Line 050, 052, 075, 080 and 095 are designed for a clip-on mounting, which enables the quick assembling and disassembling.

All the bowl are equipped with a particular safety ring in order to prevent the accidental disassembly when the unit is pressurized.

For disassembling the bowl, it is actually necessary carrying out three movements in a sequence:

1. Lifting the safety ring Pic. 1
2. Turning the bowl clockwise Pic. 2
3. Lowering the bowl Pic. 3

It is not possible to disassemble the bowl when the safety ring is lowered.

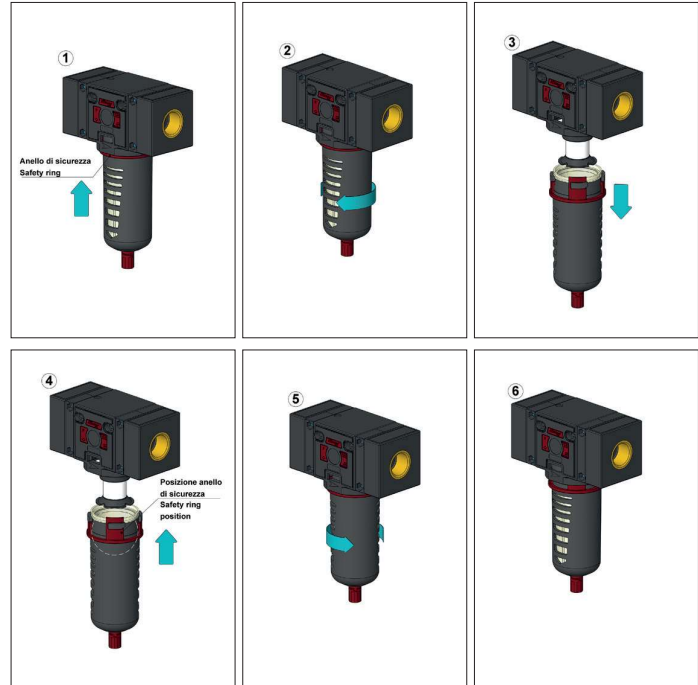
Movements 1. and 2., to be executed in a sequence, increase the operator's attention on the intervention he is carrying out.



Attention: the disassembling of the bowl must always be executed when the unit is depressurized.

The bowl reassembling can be easily executed following these steps:

1. Check that the safety ring is in its correct position (on the clamping tooth) as in Pic. 4
2. Fit the bowl into the body seat and lock it turning anti-clockwise Pic. 5
3. Make sure that the safety ring is brought back to the correct position Pic. 6



VALVES

CYLINDERS

FITTINGS

## HOW TO ORDER UNITS 3/4"

The unit is supplied COMPLETE WITH INLET and OUTLET END-CAPS for allowing installation for single use.

It is possible to order the same unit in version WITHOUT END-CAPS, when it is aimed at being assembled in battery set with other units (please refer to each datasheet for the ordering part nr.).

In such cases, end-caps are provided as first and last module only.

WATER PREPARATION



## END-CAPS WITH ANTI-ROTATION

The end-cap kit Line 080 is equipped with a particular antirotation insert.

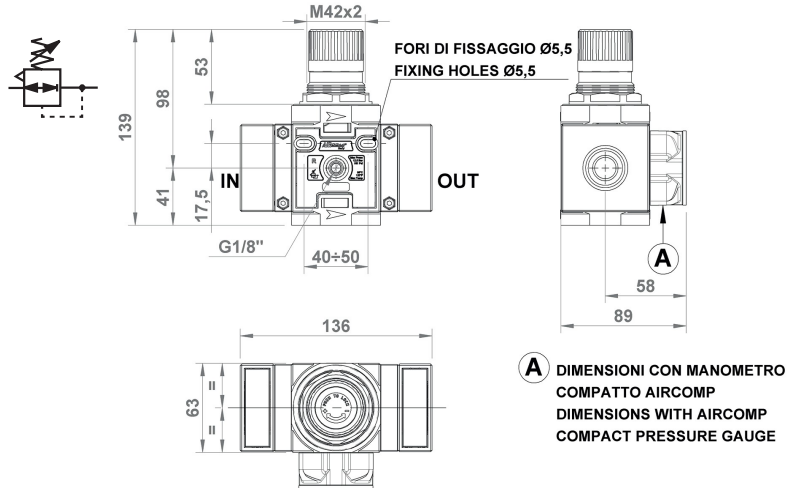
The insert joins the unit body to the end-cap avoiding the rotation of the components during the assembling of fittings.



PLEASE NOTE: if a unit without end-cap is to be added in a battery set, you will need an assembling kit.



# LINE 080 3/4 | MODULAR REGULATORS



## GENERAL FEATURES

Modular regulator with balanced valve which ensures big flow rate and low load loss.

Relieving for a quick exhaust of the downstream overpressure.

Knob with pressure locking device.

Equipped with nut and nr. plug.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	3/4"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Reference flow rate</b> (P1= 6,3 bar Δ P= 1bar) :	2.880 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Max torque round:</b>	10 Nm
<b>gauge port compact:</b>	manual

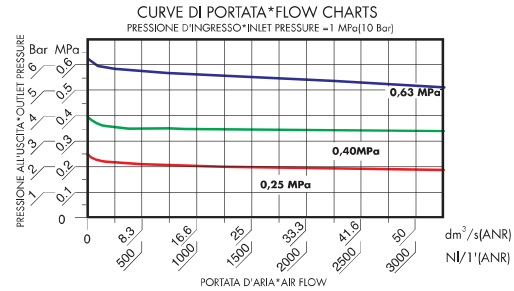
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>080.01.00002</b>	R 3/4" 080 04 R
<b>080.01.00001</b>	R 3/4" 080 08 R
<b>080.01.00003</b>	R 3/4" 080 12 R

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C800100001 - R 3/4" 080 08R without end-caps.



## GUIDE TO REFERENCES

**R 1/4" 042 08 R**

Product <b>R</b> = Regulator	Version <b>R</b> = Relieving
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Range of pressure <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 080 3/4 | MODULAR FILTERS

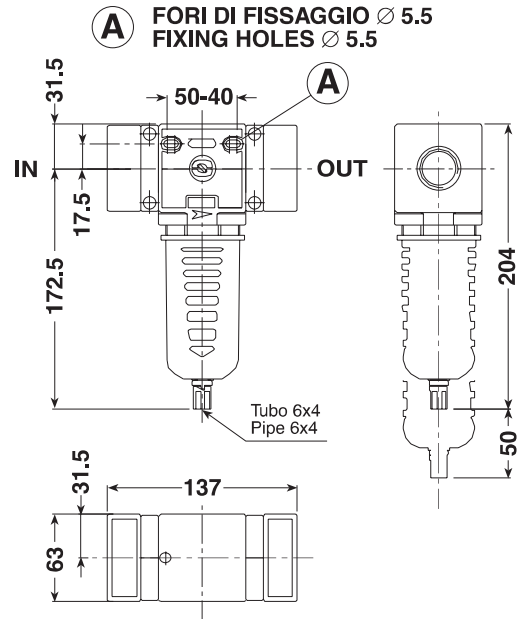
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss.

It can be wall mounted through the holes prearranged on the body. Equipped with semiautomatic condensate drain as standard (SS). Available options: float type automatic drain (SA) and differential (SAD), which can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G3/4"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	3,110 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Bowl capacity</b>	100 cc
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Weight</b>	0,675 kg

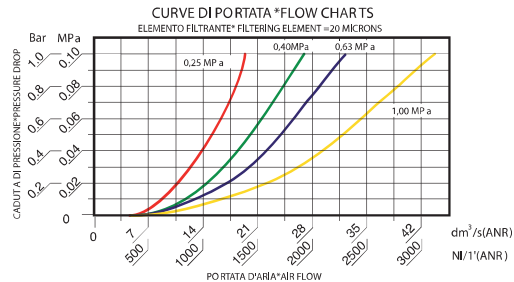
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>080.02.00001</b>	F 3/4" 080 20 PE SS
<b>080.02.00002</b>	F 3/4" 080 5 PE SS
<b>Float type automatic drain version.</b>	
<b>080.02.00003</b>	F 3/4" 080 20 PE SA
<b>080.02.00004</b>	F 3/4" 080 5 PE SA
<b>"Differential" automatic drain version.</b>	
<b>080.02.00010</b>	F 3/4" 080 20 PE SAD
<b>080.02.00011</b>	F 3/4" 080 5 PE SAD

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80 02 00001 F 3/4" 080 20 PESS without end-caps.



## GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
<b>F</b> = Filter
<b>MF</b> = Microfilter
<b>CF</b> = Activated carbon

Connection
<b>1/4"</b> = G 1/4"
<b>3/8"</b> = G 3/8"
<b>1/2"</b> = G 1/2"
<b>3/4"</b> = G 3/4"
<b>1"</b> = G 1"

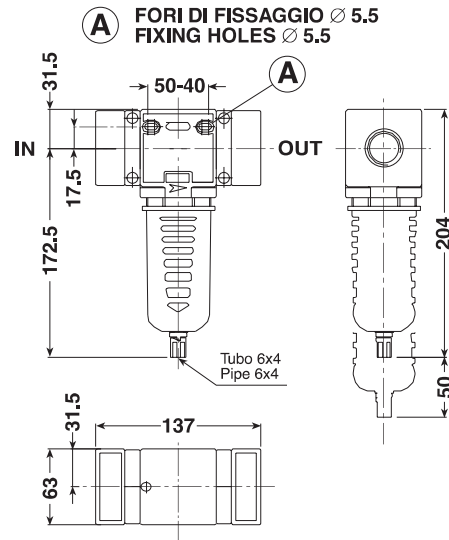
Line
<b>042</b>
<b>050</b>
<b>052</b>
<b>075</b>
<b>080</b>
<b>095</b>

Condensate Drain
<b>SS</b> = Semiautomatic (standard)
<b>SA</b> = Automatic float type
<b>SAD</b> = Automatic differential
<b>S18</b> = Open seat 1/8 F

Bowl
<b>TT</b> = Transparent (Line 042 only)
<b>TC</b> = Short transparent (Line 042 only)
<b>PE</b> = With outer guard

Filtering element
<b>5</b> = 5 micron
<b>20</b> = 20 micron
<b>0,01</b> = 0,01 micron
<b>CA</b> = Activated carbon

# LINE 080 3/4 | COALESCING MICROFILTERS (OIL REMOVER)



## GENERAL FEATURES

Modular filter with coalescing cartridge made from glass borosilicate fiber providing high filtering efficiency (99,97% on 0,01 micron particles).

It is recommended to install a 5 micron filter upstream in order to allow a longer life of the coalescing cartridge.

Application: it is suitable for removing oil remnants in pneumatic circuits.

It can be wall mounted through the holes prearranged on the body. Equipped with semiautomatic condensate drain as standard (SS). Bowl made from hardened polyamide with outer guard.

## DATI TECNICI

<b>INLET-OUTLET connections</b>	3/4"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Filtering degree</b>	0,01 micron
<b>Recommended max flow rate (6,3 bar)</b>	800 NI/min
<b>Working temperature (a 10bar)</b>	-5 / +50°C*
<b>Max Torque IN OUT</b>	3/4" 80 Nm
<b>Weight</b>	0,660 kg

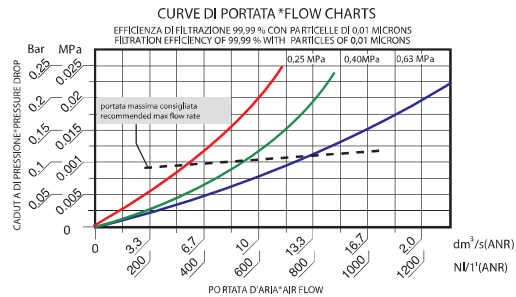
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
080.02.00301	MF 3/4" 080 0,01 PE SS
<b>Float type automatic drain version.</b>	
080.02.00302	MF 3/4" 080 0,01 PE SA
<b>"Differential" automatic drain version.</b>	
080.02.00305	MF 3/4" 080 0,01 PE SAD

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80.02.00301 MF 3/4 0800.01 PESS without end-caps.



## GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product  
**F** = Filter  
**MF** = Microfilter  
**CF** = Activated carbon

Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"  
**1"** = G 1"

Line  
**042**  
**050**  
**052**  
**075**  
**080**  
**095**

Condensate Drain  
**SS** = Semiautomatic (standard)  
**SA** = Automatic float type  
**SAD** = Automatic differential  
**S18** = Open seat 1/8 F

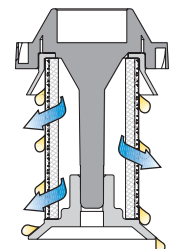
Bowl  
**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

Filtering element  
**5** = 5 micron  
**20** = 20 micron  
**0,01** = 0,01 micron  
**CA** = Activated carbon

## COALESCENT CARTRIDGE

### FUNCTIONING

The air with impurity enter into the special high efficiency cartridge, which stops solid particles, captures and joins outside the oil particles (coalescing effect), so that they can easily fall to the bottom of the bowl and be drained outside. In doing so, the filtered air will be free from solid impurities and liquid particles.



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 080 3/4 | LUBRICATORS

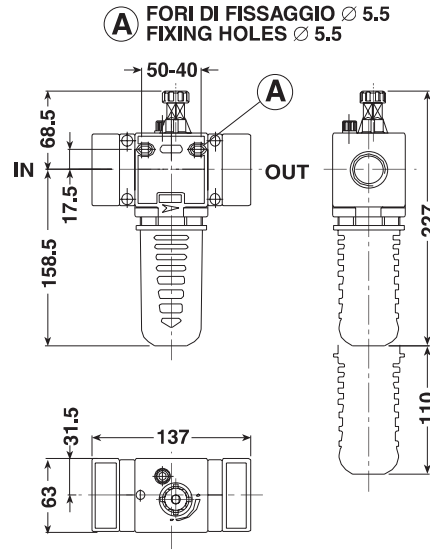
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Proportional oil mist lubricator allowing a constant oil delivery over time.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

Oil filling plug.

It can be wall mounted through the holes prearranged on the body. Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	3/4"
<b>Maximum inlet pressure</b>	12,5 Bar
<b>Bowl capacity</b>	140 cc
<b>Viscosità dell'olio consigliata</b>	ISO VG32
<b>Reference flow rate</b> (P=10 bar P=1 bar):	3.550 NI/min
<b>Working temperature (a 10bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Weight</b>	0,670 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

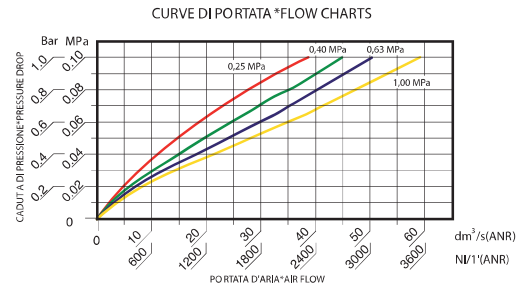
CODE	REF.
<b>080.03.00001</b>	L 3/4" 080 PE

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80 03 00001 L 3/4" 080 PE without end-caps.

## MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm <sup>3</sup> /s (ANR)	NI/1' (ANR)	SCFM
36	0,25	2,50	0,25	15	0,5
58	0,40	4,00	0,30	18	0,63
91	0,63	6,30	0,38	23	0,8



## GUIDE TO REFERENCES

### L 1/4" 042 PE

Product  
**L** = Lubricator

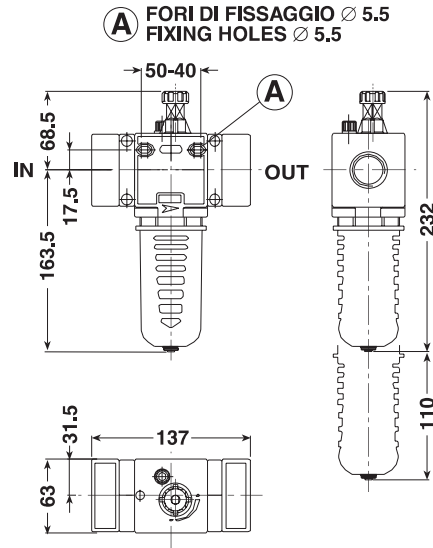
Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"  
**1"** = G 1"

Line  
**042**  
**050**  
**052**  
**075**  
**080**  
**095**

Version  
= Standard  
**VL** = Vacuum filling  
**IL** = Min Level indicator  
**IM** = Max/Min Level indicator (Line 095 only)

Bowl  
**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

# LINE 080 3/4 | LUBRICATORS WITH LEVEL INDICATOR



## GENERAL FEATURES

Lubricator equipped with float type level indicator, emitting an electric signal able to control light indicators or acoustic alarms upon reaching the minimum level.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

It can be wall mounted through the holes prearranged on the body.

Closed bowl made from hardened polyamide, with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	3/4"
<b>Maximum inlet pressure</b>	7 Bar
<b>Maximum voltage</b>	100 V AC
<b>Electric contact</b>	0,75 A 10W Protection IP 65
<b>Bowl capacity</b>	132 cc
<b>Recommended oil viscosity</b>	ISO VG32
<b>Reference flow rate</b>	(P=6,3 bar P=1 bar): 3,020 NI/min
<b>Working temperature (a 7 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Weight</b>	0,685 Kg

Below 3°C the air of the circuit must be free from humidity

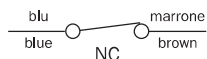
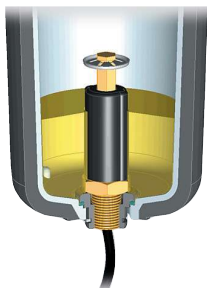
## ORDERING CODE

CODE	REF.
<b>080.03.00005</b>	L 3/4" 080 PE IL

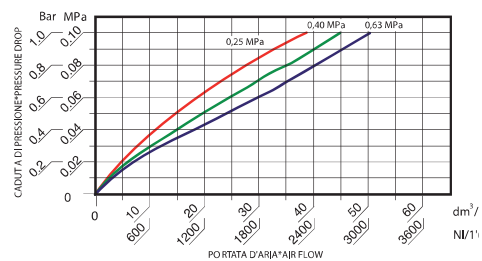
Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80.03.00005 L 3/4" 080 PE IL without end-caps.

## Level indicator



CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

### L 1/4" 042 PE

#### Product

**L** = Lubricator

#### Connection

**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"  
**1"** = G 1"

#### Line

**042**  
**050**  
**052**  
**075**  
**080**  
**095**

#### Version

= Standard  
**VL** = Vacuum filling  
**IL** = Min Level indicator  
**IM** = Max/Min Level indicator (Line 095 only)

#### Bowl

**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 080 3/4 | VL VACUUM FILLING LUBRICATORS

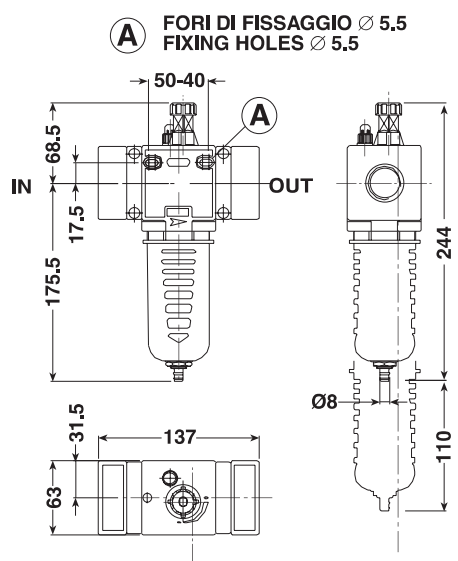
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Proportional oil mist lubricator with oil filling from an external tank without interrupting the operation of the system. Oil suction even under low flow rate with high sensitivity in the lubricant adjustment. It can be wall mounted through the holes prearranged on the body. Closed bowl made from hardened polyamide, with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	3/4"
<b>Working pressure</b>	min. 4 Bar - max 12,5 Bar
<b>Bowl capacity</b>	140 cc
<b>Recommended oil viscosity</b>	ISO VG32
<b>Reference flow rate</b> (P=10 bar P=1 bar):	3.550 NI/min
<b>Working temperature (a 10bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Weight</b>	0,695 Kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

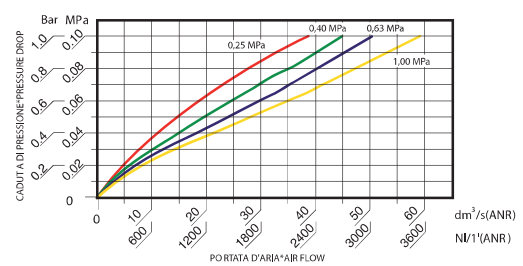
<b>CODE</b>	<b>REF.</b>
<b>080.03.00500</b>	L 3/4" Ø80 PE VL

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".  
Example: C 80 03 00500 L 3/4" Ø80PE VL without end-caps.

## MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	MPa	Bar	dm <sup>3</sup> /s (ANR)	NI/1' (ANR)	SCFM
36	0,25	2,50	0,25	15	0.5
58	0,40	4,00	0,30	18	0.63
91	0,63	6,30	0,38	23	0.8

## CURVE DI PORTATA \*FLOW CHARTS



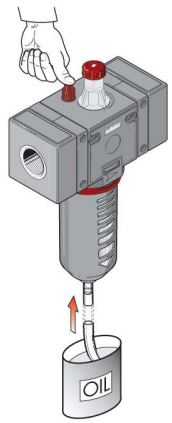
## GUIDE TO REFERENCES

### L 1/4" Ø42 PE

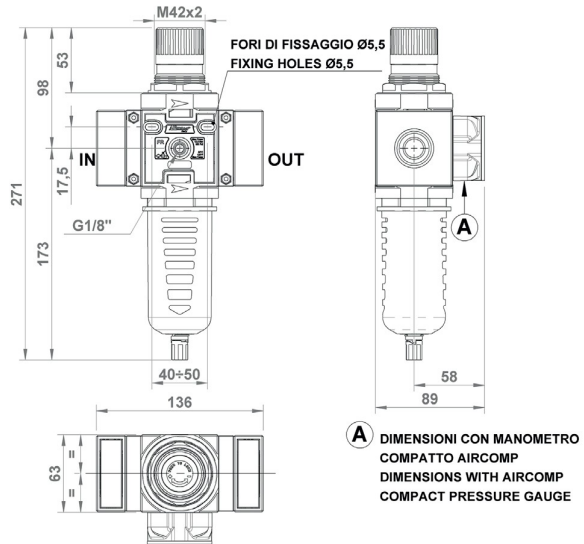
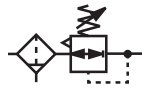
<b>Product</b> L = Lubricator	<b>Version</b> = Standard VL = Vacuum filling IL = Min Level indicator IM = Max/Min Level indicator (Line 095 only)
<b>Connection</b> 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	<b>Bowl</b> TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
<b>Line</b> 042 050 052 075 080 095	

## FUNCTIONING VL

The oil filling is achieved by pressing and holding the button at the base of the lubricator body. The "Venturi" system causes a vacuum inside the bowl and the related oil intake. The oil filling is stopped only upon releasing the button. The oil level is visually checked during the filling. Max. suction height : 1,5 m.



# LINE 080 3/4 | FILTER REGULATORS



**A** DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP  
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

## GENERAL FEATURES

- High performance modular filter regulator ensuring big flow rate and low load loss.
- Relieving for a quick exhaust of downstream overpressure.
- Knob with locking pressure device.
- Equipped with semiautomatic condensate drain as standard (SS).
- Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.
- Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	3/4"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree:</b>	5 micron; 20 micron
<b>Reference flow rate</b>	(P1= 6,3 bar P= 1bar) : 2.880 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Bowl capacity</b>	100 cc
<b>Weight</b>	0,880 Kg

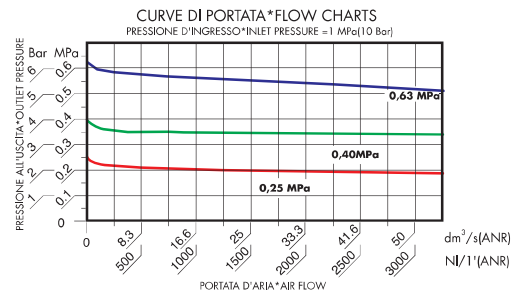
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>080.04.00001</b>	FR 3/4" 080 20 08 R PE SS
<b>080.04.00003</b>	FR 3/4" 080 20 12 R PE SS
<b>080.04.00005</b>	FR 3/4" 080 5 04 R PE SS
<b>080.04.00004</b>	FR 3/4" 080 5 08 R PE SS
<b>080.04.00006</b>	FR 3/4" 080 5 12 R PE S
Float type automatic drain version.	
<b>080.04.00007</b>	FR 3/4" 080 20 08 R PE SA
<b>080.04.00009</b>	FR 3/4" 080 20 12 R PE SA
"Differential" automatic drain version.	
<b>080.04.00007</b>	FR 3/4" 080 20 08 R PE SA
<b>080.04.00009</b>	FR 3/4" 080 20 12 R PE SA

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80 04 00001 FR 3/4" 080 20 08R PE SS without end-caps.



## GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product <b>FR</b> = Filter regulator	Condensate Drain <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Bowl <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	Version <b>R</b> = Relieving
Filtering element <b>5</b> = 5 micron <b>20</b> = 20 micron	Range of pressure <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 080 3/4 | 3-WAY VALVES WITH LOCK

AIR PREPARATION

VALVES

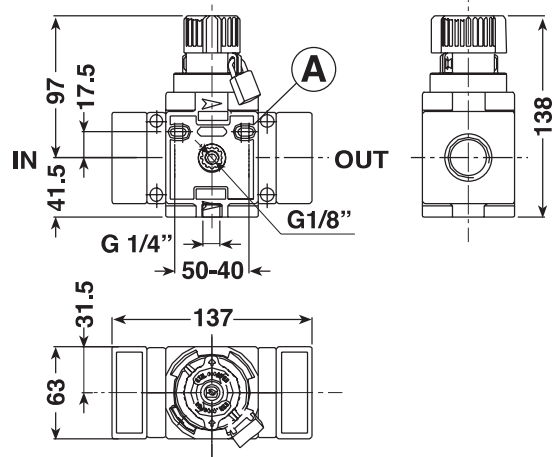
CYLINDERS

FITTINGS

WATER PREPARATION



**A** FORI DI FISSAGGIO Ø 5.5  
FIXING HOLES Ø 5.5



## GENERAL FEATURES

The job of this 3-way on-off valve is to shut off air supply and exhaust the pressure in the downstream circuit.  
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated by carrying out maintenance operations with total safety, thus avoiding the system from being accidentally pressurized.  
The valve is equipped with nr. 1 lock and nr. 2 keys.

## GENERAL TECHNICAL DATA

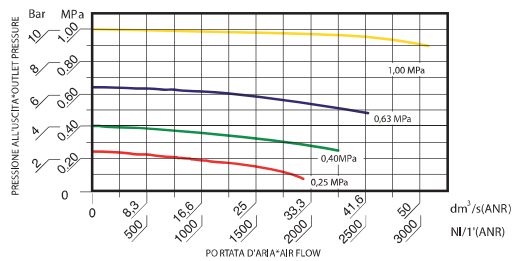
<b>INLET-OUTLET connections</b>	3/4"
<b>Exhaust connection</b>	1/4" G
<b>Maximum inlet pressure</b>	12,5 Bar
<b>Reference flow rate</b> (P1= 10 bar P= 1bar) :	3.075 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.850 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Weight</b>	0,700 Kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>080.25.00001</b>	V3 3/4" 080
<b>C80.25.00001</b>	Kit V3 3/4" 080 no end plates

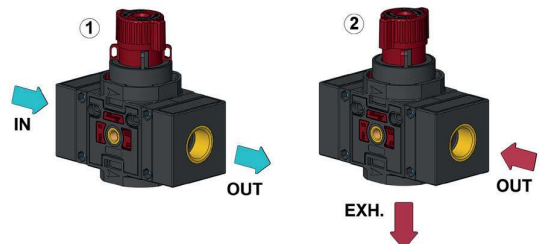
CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

V 1/4" 042 3V

<b>Product</b> V = 3 way Valve	<b>Functioning</b> 3V = 3 Way
<b>Connection</b> 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4"	<b>Line</b> 042 050 052 075 080



1. with OPEN VALVE

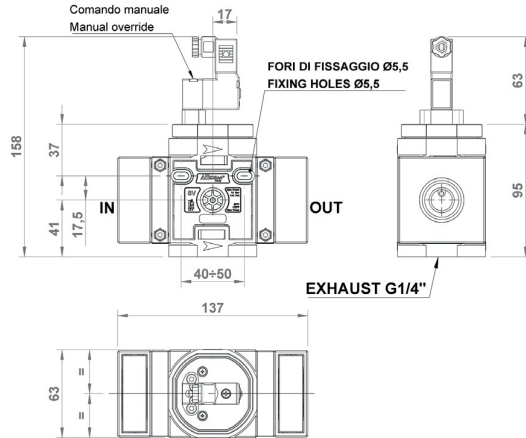
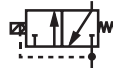
2. with CLOSED VALVE

IN and OUT are in communication for an open air flow

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.



# LINE 080 3/4 | ELECTRICAL SHUT-OFF VALVES PILOT 15MM



## GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit. The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control console. Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	3/4"
<b>Exhaust connection</b>	1/4" G
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate</b>	(P1= 10 bar Δ P= 1 Bar) : 3,075 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.850 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Electric pilot</b>	3/2 NC 15 mm (Microsol type)
<b>Available voltage</b>	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
<b>Weight</b>	0,700 Kg

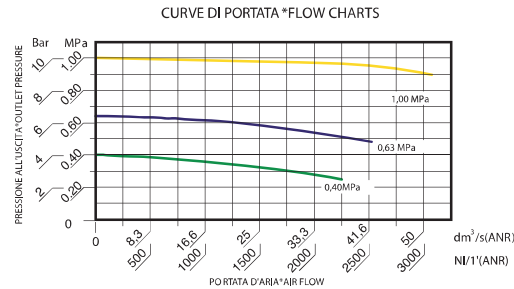
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>C50.26.00002</b>	KIT C. ELECTR. 3/2 NC 2,5W 24V DC MICROSOL
<b>C50.26.00003</b>	KIT C. ELECTR. 3/2 NC 3VA 24V AC MICROSOL
<b>C50.26.00004</b>	KIT C. ELECTR. 3/2 NC 3VA 110V AC MICROSOL
<b>C50.26.00005</b>	KIT C. ELECTR. 3/2 NC 3VA 220V AC MICROSOL
<b>080.26.00002</b>	SV 3/4" 080 PRED. C. ELECTR MICROSOL/ PNEUM

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80 26 00002 SV 3/4" without end-caps.



## GUIDE TO REFERENCES

### SV 1/4" 042 15MM 24VDC

Product  
**SV** = Shut-off valve

Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"

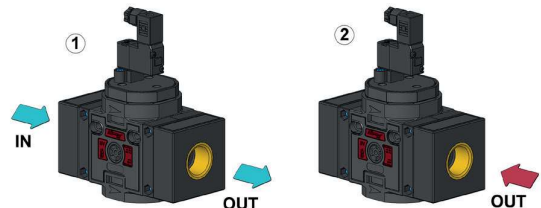
Line  
**042**  
**050**  
**052**  
**075**  
**080**

Voltage

**12 VDC**  
**24 VDC**  
**24 VAC**  
**110 VAC**  
**220 AC**

Version

**15MM** = Solenoid pilot 15 mm  
**CNOM** = Electric controlC-NOMO  
**PNEU** = Pneumatic



1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

AIR PREPARATION

VALVES

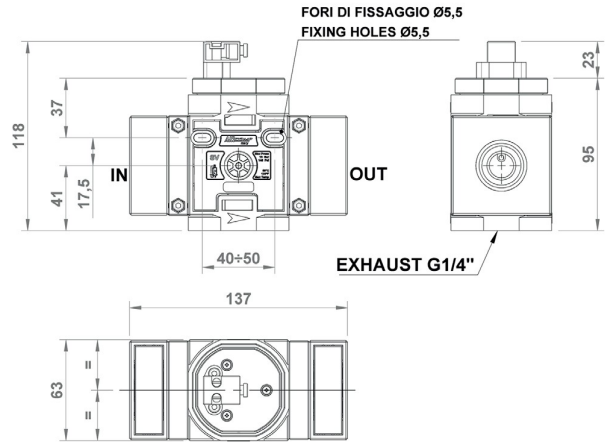
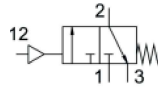
CYLINDERS

FITTINGS

WATER PREPARATION



# LINE 080 3/4 | PNEUMATIC SHUT-OFF VALVES



## GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.

The pneumatic model is actuated through a pneumatic piloting operated by selectors or by mushroom actuators present on the control console.

Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit in any emergency situation.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	3/4"
<b>Exhaust connection</b>	1/4" G
<b>Maximum inlet pressure</b>	10 Bar
<b>Minimum working pressure</b>	3 Bar
<b>Reference flow rate</b>	(P1= 10 bar Δ P= 1 Bar) : 3.075 NI/min
<b>Exhaust flow rate (at 10 bar in open air)</b>	1.850 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C *
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Pneumatic connection</b>	push-in fitting D. 4mm
<b>Weight</b>	0,700 Kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>C40.26.00014</b>	KIT C. PNEUM.
<b>080.26.00002</b>	SV 3/4" 080 PRED. C. ELECTR. MICROSOL/ PNEUM

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

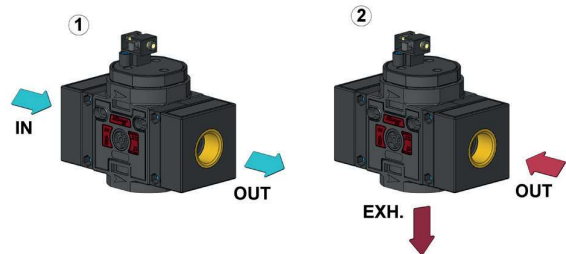
Example: **C**80.26.00002 SV 1/4" without end-caps.

## GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product <b>SV</b> = Shut-off valve	Voltage <b>12 VDC</b> <b>24 VDC</b> <b>24 VAC</b> <b>110 VAC</b> <b>220 AC</b>
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4"	Version <b>15MM</b> = Solenoid pilot 15 mm <b>CNOM</b> = Electric controlC-NOMO <b>PNEU</b> = Pneumatic
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b>	

## FUNCTIONING



1) when the SV is pressurized, it is open (IN-OUT communication)

2) when the SV is depressurized, it is closed (IN closed / OUT exhausting)

AIR PREPARATION

VALVES

CYLINDERS

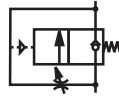
FITTINGS

WATER PREPARATION

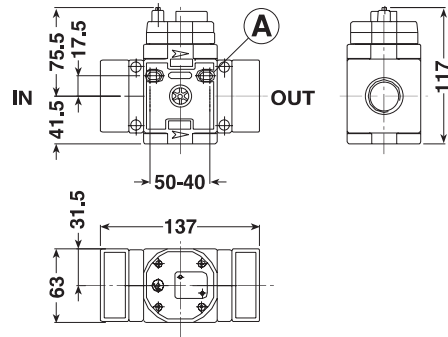
# LINE 080 3/4 | SLOW-START VALVES

AIR PREPARATION

VALVES



**A** FORI DI FISSAGGIO Ø 5.5  
FIXING HOLES Ø 5.5



CYLINDERS

## GENERAL FEATURES

The job of the slow-start valve is to gradually pressurize the pneumatic system upon switching it on.

The gradual pressurization takes place until about 60% of the supply pressure is reached.

The pressurization time can be adjusted through the speed controller positioned in the upper part of the body.

Application: it can be singularly used, or, more commonly, assembled with the shut-off valve. The AVP avoids any dangerous pressure surge, that may be caused by quickly supplying the system to the working pressure.

FITTINGS

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G3/4"
<b>Working pressure</b>	min. 3 Bar - max 10 Bar
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	3,075 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Weight</b>	0,715 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

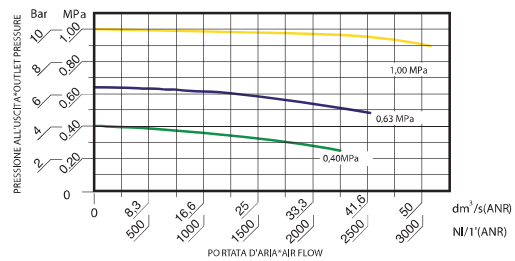
CODE	REF.
<b>080.27.00001</b>	AVP 3/4" 080 PN Autonom.

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".

Example: C 80 27 00001 AVP 3/4" without end-caps.

WATER PREPARATION

CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

**AVP 1/4" 042 PN**

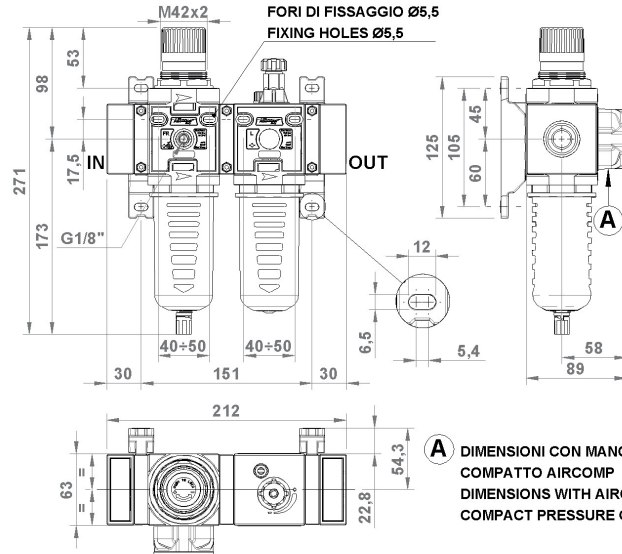
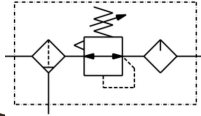
Product  
**AVP** = Slow-start valve

Functioning  
**PN** = Pneumatic

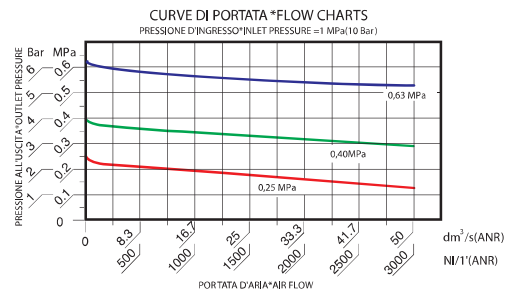
Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"

Line  
**042**  
**050**  
**052**  
**075**  
**080**

# LINE 080 3/4 | FR+L UNITS



**A** DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP  
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE



## GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.  
It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.  
Unit featuring big flow rate and regulation sensitivity, filtration and high condensate separation.  
Semiautomatic condensate drain supplied as standard (SS).  
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.  
Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	3/4"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree:</b>	5 micron; 20 micron
<b>Reference flow rate</b>	(P1= 6,3 bar P= 1bar) :2.200 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Max torque gauge port</b>	10 Nm
<b>Weight</b>	1,28 Kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
080.06.00001	FR+L 3/4" 080 20 08 R PE SS
080.06.00003	FR+L 3/4" 080 20 12 R PE SS
080.06.00005	FR+L 3/4" 080 5 04 R PE SS
080.06.00004	FR+L 3/4" 080 5 08 R PE SS
080.06.00006	FR+L 3/4" 080 5 12 R PE SS
080.06.00501	FR+L 3/4" 080 20 08 R PE SS VL
080.06.00505	FR+L 3/4" 080 20 12 R PE SS VL
<b>Float type automatic drain version.</b>	
080.06.00007	FR+L 3/4" 080 20 08 R PE SA
080.06.00009	FR+L 3/4" 080 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
080.06.00028	FR+L 3/4" 080 20 08 R PE SAD
080.06.00029	FR+L 3/4" 080 20 12 R PE SAD

Product  
**FR+L** = Filter regulator + Lubricator

Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"  
**1"** = G 1"

Line  
**042**  
**050**  
**052**  
**075**  
**080**  
**095**

Filtering element  
**5** = 5 micron  
**20** = 20 micron

## GUIDE TO REFERENCES

### FR+L 1/4" 042 20 08 R PE SS

Condensate Drain  
**SS** = Semiautomatic (standard)  
**SA** = Automatic float type  
**SAD** = Automatic differential  
**S18** = Open seat 1/8 F

Bowl  
**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

Version  
**R** = Relieving

Range of pressure  
**04** = 0 - 4 Bar  
**08** = 0 - 8 Bar  
**12** = 0 - 12 Bar

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 080 3/4 | F+R+L UNITS

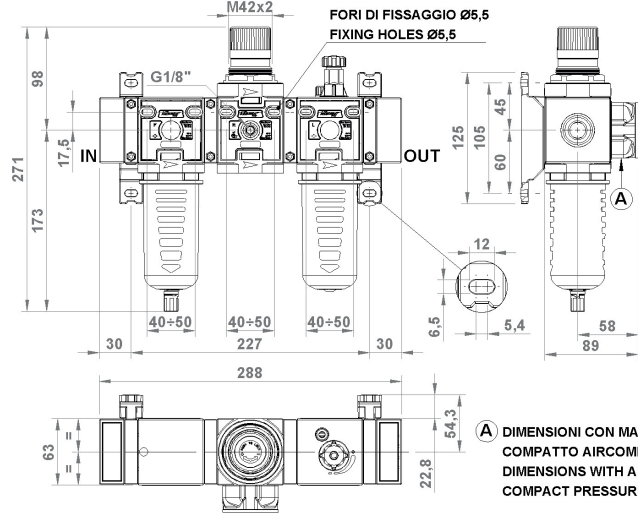
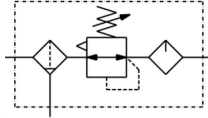
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



**A** DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP  
DIMENSIONS WITH AIRCOMP  
COMPACT PRESSURE GAUGE

## GENERAL FEATURES

Unit consisting of Filter + Regulator + Lubricator. It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application. Unit featuring big flow rate and regulation sensitivity, filtration and high condensate separation. Semiautomatic condensate drain supplied as standard (SS). Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized. Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

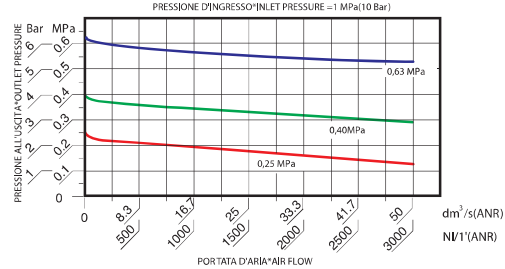
<b>INLET-OUTLET connections</b>	3/4"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree:</b>	5 micron; 20 micron
<b>Reference flow rate</b> (PI= 6,3 bar P= 1bar) :	2.200 NI/min
<b>Working temperature (a 10 bar)</b>	: -5 / +50°C*
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Max torque gauge port</b>	10 Nm
<b>Weight</b>	1,57 Kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
080.05.00001	F+R+L 3/4" 080 20 08 R PE SS
080.05.00003	F+R+L 3/4" 080 20 12 R PE SS
080.05.00005	F+R+L 3/4" 080 5 04 R PE SS
080.05.00004	F+R+L 3/4" 080 5 08 R PE SS
080.05.00006	F+R+L 3/4" 080 5 12 R PE SS
080.05.00501	F+R+L 3/4" 080 20 08 R PE SS VL
080.05.00505	F+R+L 3/4" 080 20 12 R PE SS VL
<b>Float type automatic drain version.</b>	
080.08.00007	F+R+L 3/4" 080 20 08 R PE SA
080.05.00009	F+R+L 3/4" 080 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
080.05.00026	F+R+L 3/4" 080 20 08 R PE SAD
080.05.00027	F+R+L 3/4" 080 20 12 R PE SAD

## CURVE DI PORTATA \*FLOW CHARTS

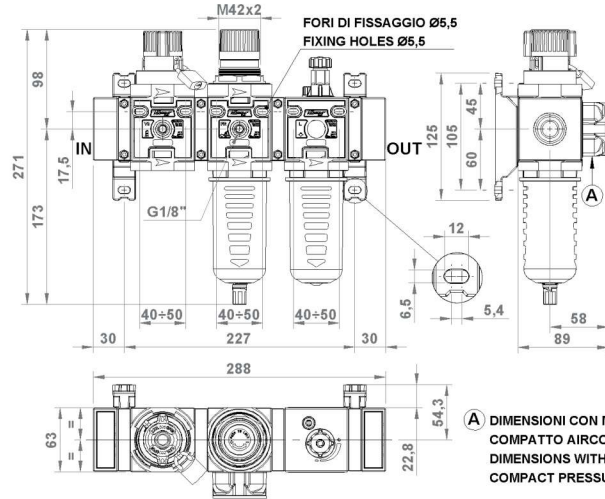
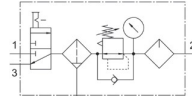


## GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

<b>Product</b> F+R+L = Filter + Regulator + Lubricator	<b>Condensate Drain</b> SS = Semiautomatic (standard) SA = Automatic float type SAD = Automatic differential S18 = Open seat 1/8 F
<b>Connection</b> 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	<b>Bowl</b> TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
<b>Line</b> 042 050 052 075 080 095	<b>Version</b> R = Relieving
<b>Filtering element</b> 5 = 5 micron 20 = 20 micron	<b>Range of pressure</b> 04 = 0 - 4 Bar 08 = 0 - 8 Bar 12 = 0 - 12 Bar

# LINE 080 3/4 | V3+FR+L UNITS



**A** DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP  
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

## GENERAL FEATURES

Unit consisting of 3-way Valve (V3) + Filter regulator (FR) + Lubricator (L).

It combines the function of shutting-off the system along with the filtration, pressure regulation and lubrication of compressed air for industrial applications.

Lockable V3 valve for greater safety during maintenance operations.

It is equipped with semiautomatic drain as standard (SS).

Available options: float type automatic drain (SA) and differential (SAD), which can discharge to the outside the condensate even when the bowl is pressurized.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	3/4"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate</b>	(P1= 6,3 bar P= 1bar) :2.200 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Max torque gauge port</b>	10 Nm
<b>Weight</b>	2,00 kg

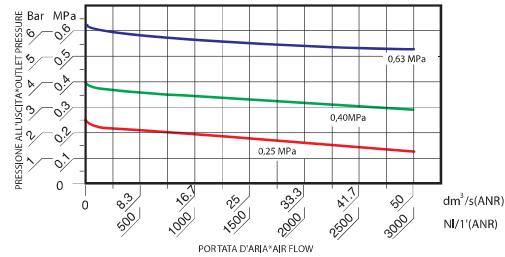
Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>080.36.00001</b>	V3+FR+L 3/4" 080 20 08 R PE SS
<b>080.36.00003</b>	V3+FR+L 3/4" 080 20 12 R PE SS
<b>080.36.00005</b>	V3+FR+L 3/4" 080 5 04 R PE SS
<b>080.36.00004</b>	V3+FR+L 3/4" 080 5 08 R PE SS
<b>080.36.00006</b>	V3+FR+L 3/4" 080 5 12 R PE SS
<b>080.36.00501</b>	V3+FR+L 3/4" 080 20 08 R PE SS VL
<b>080.36.00505</b>	V3+FR+L 3/4" 080 20 12 R PE SS VL
<b>Float type automatic drain version.</b>	
<b>080.36.00007</b>	V3+FR+L 3/4" 080 20 08 R PE SA
<b>080.36.00009</b>	V3+FR+L 3/4" 080 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
<b>080.36.00013</b>	V3+FR+L 3/4" 080 20 08 R PE SAD
<b>080.36.00014</b>	V3+FR+L 3/4" 080 20 12 R PE SAD

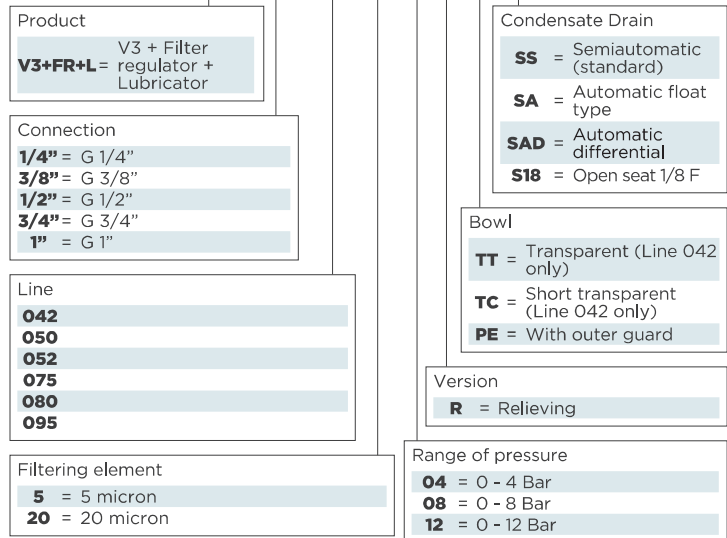
## CURVE DI PORTATA \*FLOW CHARTS

PRESSIONE D'INGRESSO\*INLET PRESSURE = 1 MPa(10 Bar)



## GUIDE TO REFERENCES

**V3+FR+L 1/4" 042 20 08 R PE SS**



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 080 3/4" | F + L UNITS

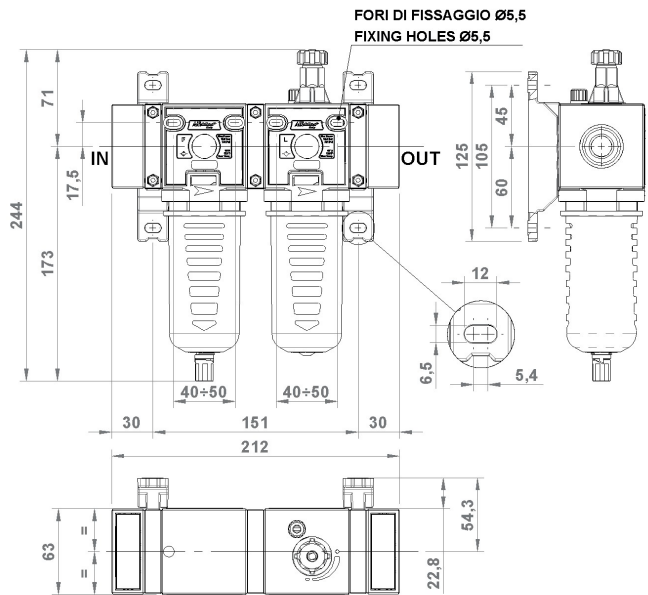
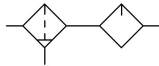
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Unit consisting of Filter and Lubricator.

It combines the functions of filtration and lubrication of compressed air for industrial applications.

Proportional oil mist lubricator ensuring a constant oil delivery over time.

Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	3/4"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate (P1= 10 bar ΔP= 1 bar)</b>	3.000 Nl/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Recommended oil viscosity</b>	ISO VG32
<b>Weight</b>	1,07 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
080.07.00001	F+L 3/4" 080 20 PE SS
080.07.00002	F+L 3/4" 080 5 PE SS
080.07.00501	F+L 3/4" 080 20 PE SS VL
<b>Float type automatic drain version.</b>	
080.07.00004	F+L 3/4" 080 5 PE SA
080.07.00003	F+L 3/4" 080 20 PE SA
080.07.00511	F+L 3/4" 080 20 PE SA VL
<b>"Differential" automatic drain version.</b>	
080.07.00005	F+L 3/4" 080 20 PE SAD
080.07.00006	F+L 3/4" 080 5 PE SAD

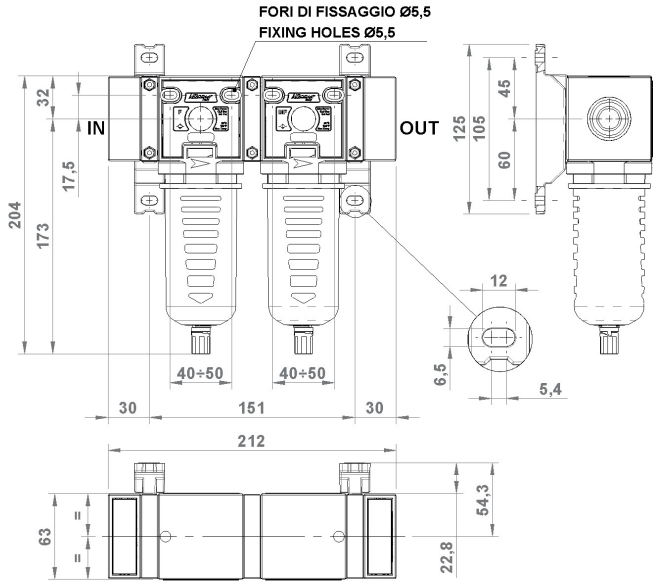
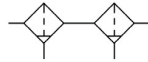
## GUIDE TO REFERENCES

F + L 1/4" 042 20 PE SS

Product <b>F+L</b> = Filter + Lubricator	Condensate Drain <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Bowl <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	Filtering element <b>5</b> = 5 micron <b>20</b> = 20 micron



# LINE 080 3/4 | F + MF UNITS



## GENERAL FEATURES

Filtration set combining Filter with high condensate separation and coalescing Microfilter.

The job of the unit is to filter solid particles and separate condensate with the Filter in combination with the coalescing function of the Microfilter.

It is equipped with semiautomatic drain as standard (SS).

Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	G3/4"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Drain working pressure</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree Filter</b>	5 micron
<b>Filtering degree Microfilter</b>	0,01 micron
<b>Recommended max flow rate (P1= 10 bar ΔP= 1 bar)</b>	800 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	3/4" 80 Nm
<b>Weight</b>	1,070 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>080.09.00001</b>	F 3/4" 080 5 PE SS+MF 3/4" 080 0,01 PE SS
<b>Float type automatic drain version.</b>	
<b>080.09.00002</b>	F 3/4" 080 5 PE SS+MF 3/4" 080 0,01 PE SA
<b>"Differential" automatic drain version.</b>	
<b>080.09.00003</b>	F 3/4" 080 5 PE SS+MF 3/4" 080 0,01 PE SAD

## GUIDE TO REFERENCES

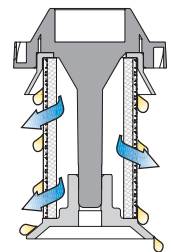
F + MF 1/4" 042 5 PE SS

Product <b>F + MF</b> = Filter + Microfilter	Condensate Drain <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4"	Bowl <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b>	Filtering element <b>5</b> = 5 micron <b>20</b> = 20 micron <b>0,01</b> = 0,01 micron

## COALESCENT CARTRIDGE

### FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



AIR PREPARATION

VALVES

CYLINDERS

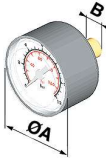
FITTINGS

WATER PREPARATION

# LINE 080 3/4 | ACCESSORIES

AIR PREPARATION

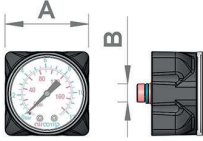
## GAUGE



CODE	Bar	Psi	A	B	CH.
<b>A75.01.00010</b>	0-12	0-175	50	G1/8"	14
<b>A75.01.00011</b>	0-6	0-85	50	G1/8"	14

VALVES

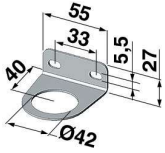
## COMPACT GAUGE



CODE	Bar	Psi	A	B
<b>A750100045</b>	0-12	0-175	50	G1/8"

CYLINDERS

## BRACKET



CODE
<b>C75.01.00018</b>

FITTINGS

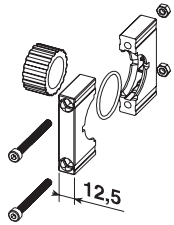
## "T" BRACKET KIT LINE 075 - 080



CODE
<b>C75.06.00011</b>

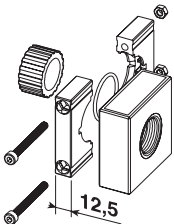
WATER PREPARATION

## KIT ASSEMBLING UNITS



CODE	PROD.
<b>C80.05.00004</b>	F+R+L
<b>C80.06.00004</b>	FR+L - F+L

## INLET-OUTLET KIT



CODE	CONNECTION	VERSION
<b>C80.05.00002</b>	3/4"	INPUT
<b>C80.05.00003</b>	3/4"	OUTPUT

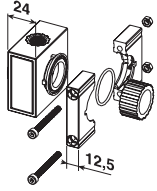
## PLUG G1/8"



CODE	PROD.
<b>B38.00.00018</b>	MR - MR P

# LINE 080 3/4 | ACCESSORIES

## AIR TAKEOFF



CODE	CONNECTION	PROD.
<b>C80.06.00005</b>	1/4"	tutti / all

## PRESSURE SWITCH



CODE	REF.
<b>A50.06.00005</b>	AP1-3-02-03-G

## AUTOMATIC DRAIN



CODE	PROD.
<b>C40.02.00130 SA</b>	F - FR - MF
<b>C42.02.00012 SAD</b>	F - FR - MF

## MOUNTING KIT FOR AUTOMATIC DRAIN



CODE	PROD.
<b>C40.02.00131</b>	SA - SAD

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 080 3/4 | SPARE PARTS

AIR PREPARATION

## DIAPHRAGM KIT



CODE	PRODUCT	VERSION
<b>C75.01.00023</b>	R - FR	RELIEVING

VALVES

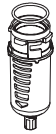
## REGULATION SPRING



CODE	PRODUCT	SET REGULATION
<b>A75.01.00030</b>	R - FR	0÷4 Bar
<b>A75.01.00031</b>	R - FR	0÷8 Bar
<b>A75.01.00032</b>	R - FR	0÷12 Bar

CYLINDERS

## BOWL FOR FILTER



CODE	PRODUCT	VERSION
<b>C75.02.00022</b>	F - FR - MF	PE SS

FITTINGS

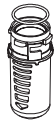
## BOWL WITH AUTOMATIC DRAIN



CODE	PRODUCT	VERSION
<b>C75.02.00026</b>	F - FR - MF	PE SA
<b>C75.02.00103</b>	F - FR - MF	PE SAD

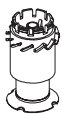
WATER PREPARATION

## BOWL FOR LUBRICATOR



CODE	PRODUCT	VERSION
<b>C75.03.00022</b>	IL	PE
<b>C75.13.01000</b>	VL	PE
<b>C75.03.00075</b>	IL	PE

## FILTERING ELEMENT



CODE	PRODUCT	VERSION
<b>C75.02.00059</b>	F	20 MICRON
<b>C75.02.00064</b>	FR	20 MICRON
<b>C75.02.00063</b>	F	5 MICRON
<b>C75.02.00065</b>	FR	5 MICRON
<b>C75.02.00061</b>	MF	0,1 MICRON

## OIL WINDOW



CODE	PRODUCT
<b>C75.03.00018</b>	L

## OIL PLUG WITH OR 2031



CODE	PRODUCT
<b>C75.03.00073</b>	L

# LINE 095 1" | MODULAR UNITS



## GENERAL FEATURES

Units Line 095 - 1" have been designed for delivering big flow rate with low load loss.

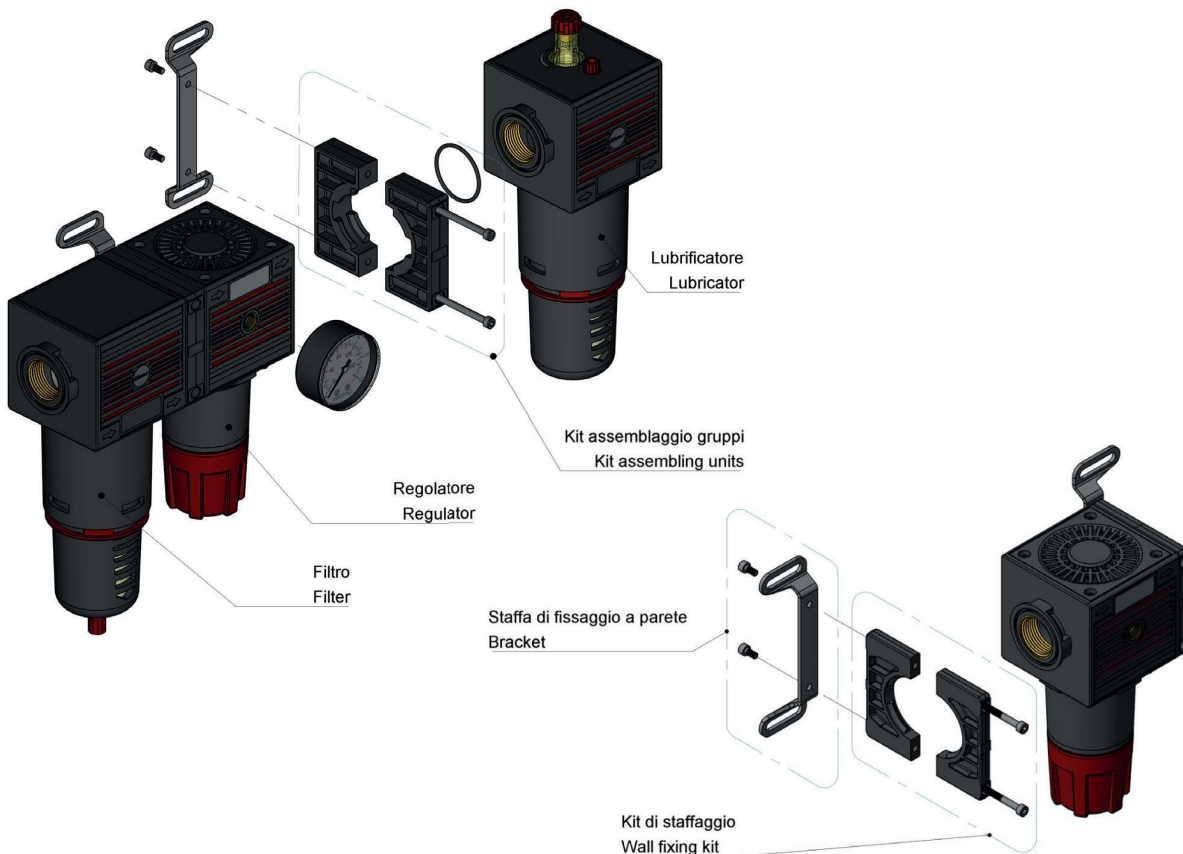
The modular concept allows obtaining a particular compactness also for these units featuring high performance.

The available modules for this Line are:

- Filter
- Regulator
- Filter Regulator
- Lubricator
- FR+L
- F+R+L
- F+L

## GENERAL TECHNICAL DATA

<b>Fluid</b>	compressed air
<b>Working temperature (a 10 bar):</b>	-5 / +50°C*
<b>Connections IN-OUT</b>	1" G
<b>Assembling type</b>	Assembling kit
<b>Mounting position</b>	see singol components
<b>Wall fixing</b>	through wall fixing kit



AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 095 1" | MODULAR UNITS

AIR PREPARATION

VALVES

CYLINDERS

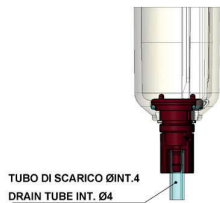
FITTINGS

WATER PREPARATION

## CONDENSATE DRAIN

The condensate building up within the pneumatic systems is often causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the outside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

### SEMI-AUTOMATIC DRAIN (SS)



Semiautomatic drain is supplied as standard on all Aircomp Lines.

The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.

The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

### FLOAT TYPE AUTOMATIC DRAIN (SA)



Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

### DIFFERENTIAL AUTOMATIC DRAIN (SAD)



Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 92 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

### OPEN 1/8 CONNECTION (S18)



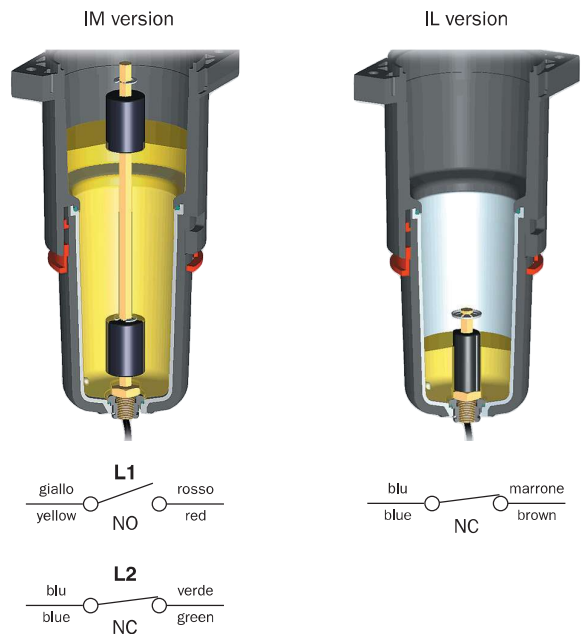
The seat with female thread 1/8", available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves. It is available also with locking pin with "manual drain" function.

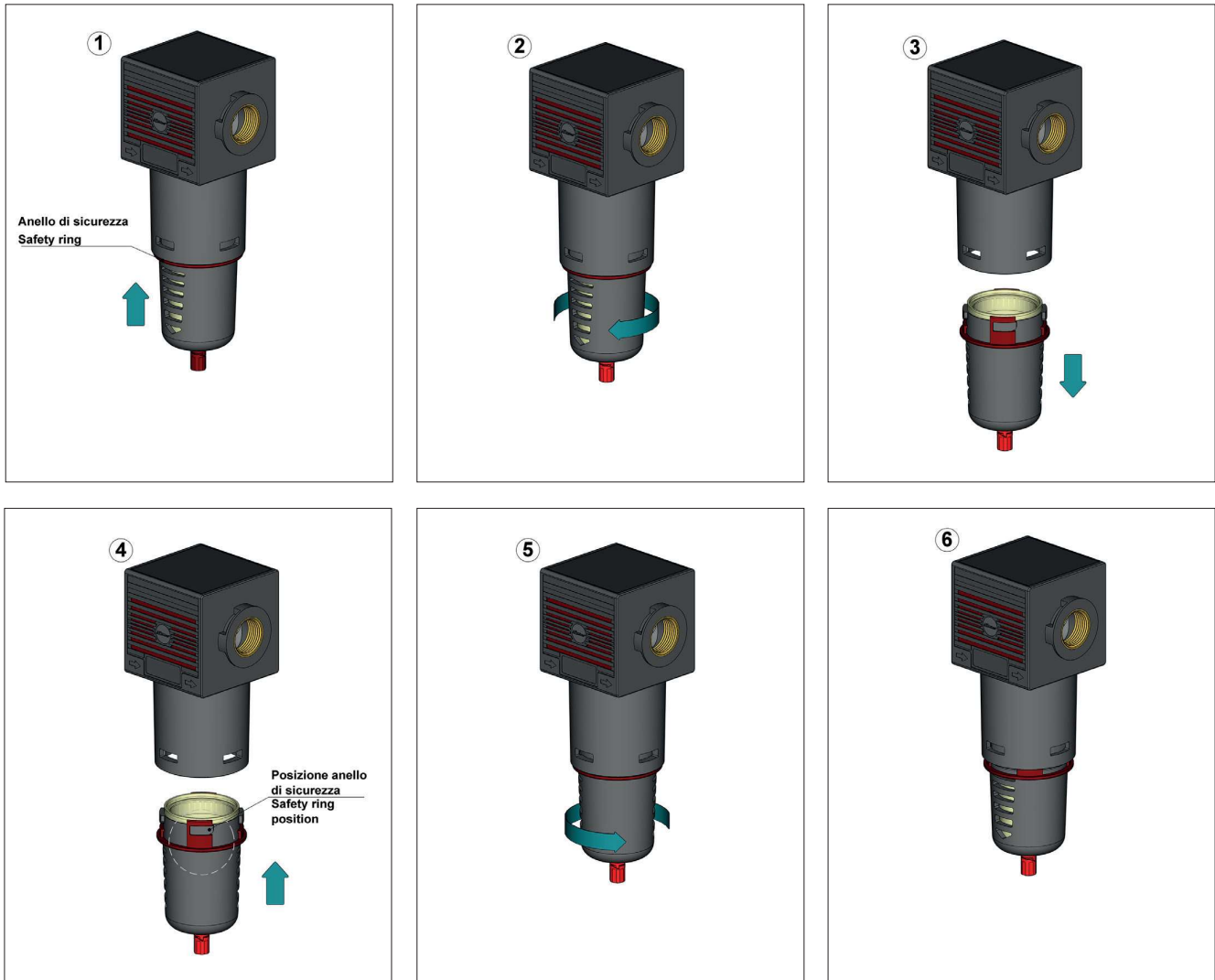
## LEVEL INDICATOR IN THE LUBRICATOR

The Lubricator can be purchased also in the version with level indicator. The IL version indicates the reaching of the minimum level for being able to carry out the filling operation through the plug on the filter body. The IM version instead indicates the minimum and the maximum level. This allows having a signal both when the lubricant is used up and when the maximum level during the filling phase is reached.

For further information, please see the datasheet of the Lubricator with level indicator.

## LEVEL INDICATOR





## BOWL SAFETY RING

Bowls of Line 050, 052, 075, 080 and 095 are designed for a clip-on mounting, which enables the quick assembling and disassembling. All the bowls are equipped with a particular safety ring in order to prevent the accidental disassembly when the unit is pressurized.

For disassembling the bowl, it is actually necessary carrying out three movements in a sequence:

1. Lifting the safety ring Pic. 1
2. Turning the bowl clockwise Pic. 2
3. Lowering the bowl Pic. 3

It is not possible to disassemble the bowl when the safety ring is lowered.

Movements 1. and 2., to be executed in a sequence, increase the operator's attention on the intervention he is carrying out.



Attention: the disassembling of the bowl must always be executed when the unit is depressurized.

The bowl reassembling can be easily executed following these steps:

4. Check that the safety ring is in its correct position (on the clamping tooth) as in Pic. 4
5. Fit the bowl into the body seat and lock it turning anticlockwise Pic. 5
6. Make sure that the safety ring is brought back to the correct position Pic. 6

# LINE 095 1" | MODULAR REGULATORS

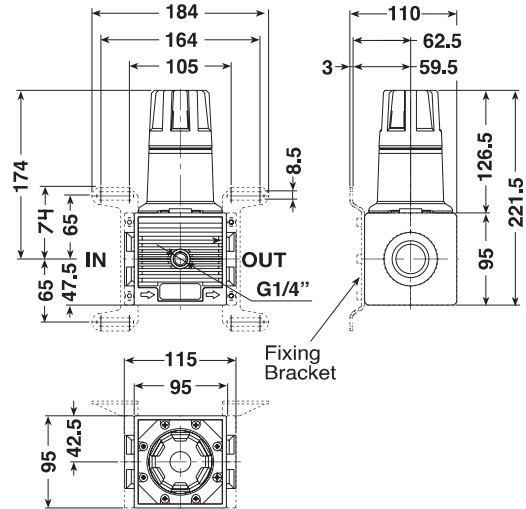
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Modular Regulator with balanced valve ensuring high performance and low load loss.  
Relieving for a quick exhaust of the downstream overpressure.  
Knob with locking pressure device.  
Equipped with nr. 1 plug.

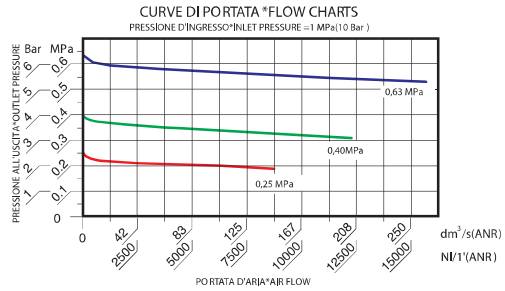
## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Reference flow rate (P1= 6,3 bar P= 1bar)</b>	15.000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1" 80 Nm
<b>Max torque gauge port</b>	10 Nm
<b>Weight:</b>	1,721 Kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
095.01.00002	R 1" 095 04 R
095.01.00001	R 1" 095 08 R
095.01.00003	R 1" 095 012 R



## GUIDE TO REFERENCES

R 1/4" 042 08 R

Product <b>R</b> = Regulator	Version <b>R</b> = Relieving
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Range of pressure <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	



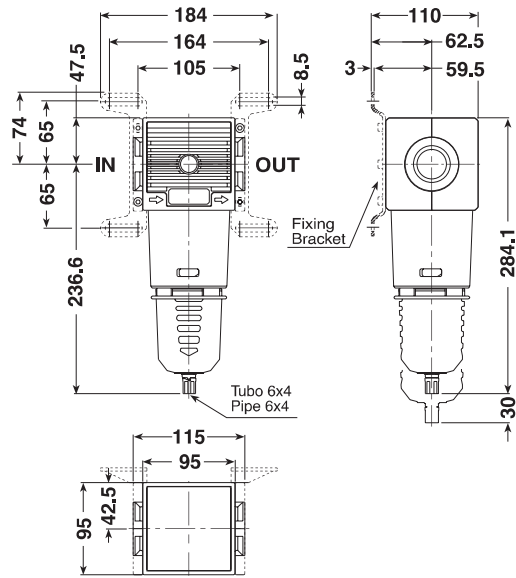
## WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

095.01.M0002 R 1" 095 04 R + GAUGE



# LINE 095 1" | MODULAR FILTERS



## GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss.

It can be wall mounted through the relevant wall fixing kit.

Equipped with semiautomatic condensate drain as standard (SS).

Available options: float type automatic drain (SA) and differential (SAD), which can convey condensate to the outside even when the bowl is pressurized.

Bowl made from hardened polyamide with outer guard.

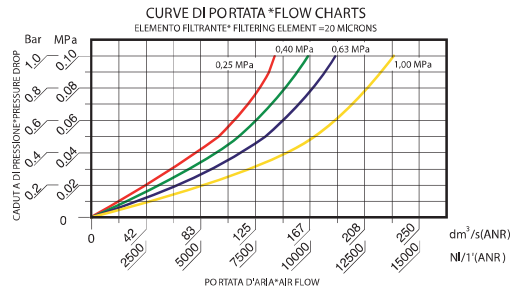
## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1"
<b>Working pressure</b>	0,5 – 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate</b>	(P1= 10 bar P= 1bar) : 13.800 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Bowl capacity</b>	200 cc
<b>Max Torque IN-OUT</b>	1" 80 Nm
<b>Weight</b>	1,212 Kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>095.02.00001</b>	F 1" 095 20 PE SS
<b>095.02.00002</b>	F 1" 095 5 PE SS
<b>Float type automatic drain version.</b>	
<b>095.02.00003</b>	F 1" 095 20 PE SA
<b>095.02.00004</b>	F 1" 095 5 PE SA
<b>"Differential" automatic drain version.</b>	
<b>095.02.00007</b>	F 1" 095 20 PE SAD
<b>095.02.00008</b>	F 1" 095 5 PE SAD



## GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product

- F** = Filter
- MF** = Microfilter
- CF** = Activated carbon

Connection

- 1/4"** = G 1/4"
- 3/8"** = G 3/8"
- 1/2"** = G 1/2"
- 3/4"** = G 3/4"
- 1"** = G 1"

Line

- 042**
- 050**
- 052**
- 075**
- 080**
- 095**

Condensate Drain

- SS** = Semiautomatic (standard)
- SA** = Automatic float type
- SAD** = Automatic differential
- S18** = Open seat 1/8 F

Bowl

- TT** = Transparent (Line 042 only)
- TC** = Short transparent (Line 042 only)
- PE** = With outer guard

Filtering element

- 5** = 5 micron
- 20** = 20 micron
- 0,01** = 0,01 micron
- CA** = Activated carbon

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 095 1" | LUBRICATORS

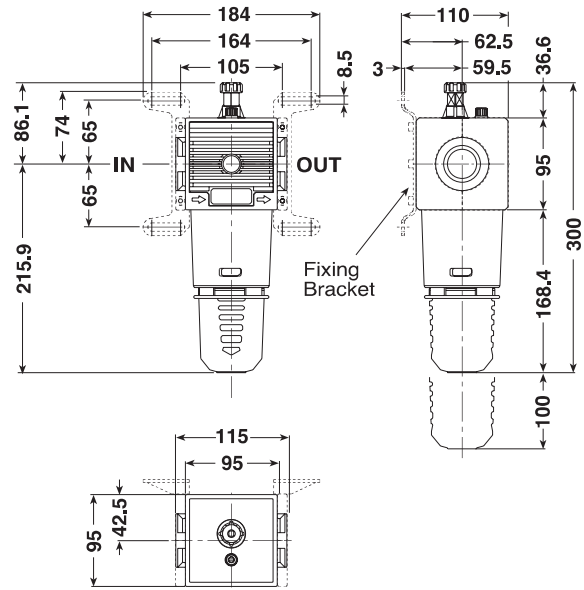
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Proportional oil mist lubricator allowing a constant oil delivery over time.

Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.

Oil filling plug.

It can be wall mounted through the relevant wall fixing kit.

Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

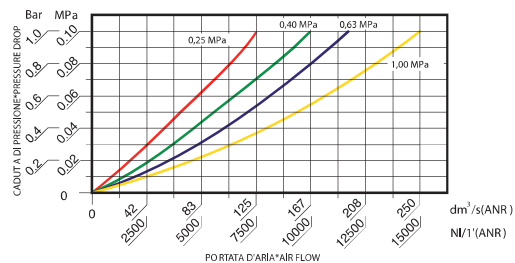
<b>INLET-OUTLET connections</b>	1"
<b>Maximum inlet pressure</b>	12,5 Bar
<b>Bowl capacity</b>	440 cc
<b>Recommended oil viscosity</b>	ISO VG32
<b>Reference flow rate</b>	(P=10 bar P=1 bar) 15.000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1" 80 Nm
<b>Weight</b>	1,194 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
095.03.00001	L 1" 095 PE

CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

### L 1/4" 042 PE

Product  
L = Lubricator

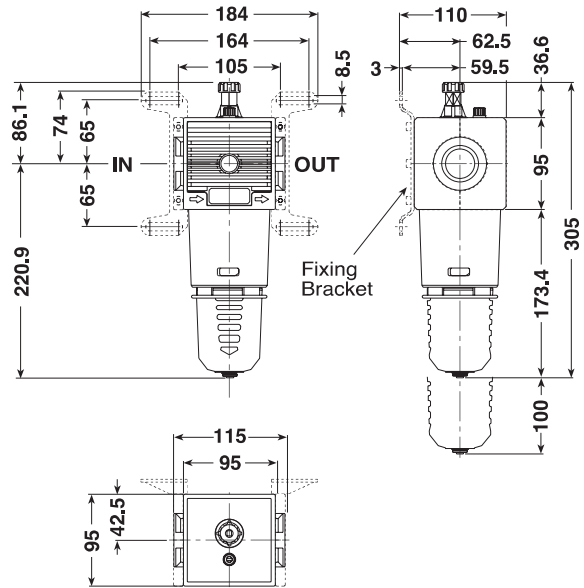
Connection  
1/4" = G 1/4"  
3/8" = G 3/8"  
1/2" = G 1/2"  
3/4" = G 3/4"  
1" = G 1"

Line  
042  
050  
052  
075  
080  
095

Version  
= Standard  
VL = Vacuum filling  
IL = Min Level indicator  
IM = Max/Min Level indicator (Line 095 only)

Bowl  
TT = Transparent (Line 042 only)  
TC = Short transparent (Line 042 only)  
PE = With outer guard

# LINE 095 1" | LUBRICATORS WITH LEVEL INDICATOR



## GENERAL FEATURES

Lubricator equipped with float type level indicator, emitting an electric signal able to control light indicators or acoustic alarms upon reaching the minimum level.

The Lubricator is available in 2 versions:

IL - with level indicator emitting a signal when the minimum level is reached

IM - with indicator emitting a signal when both the minimum and maximum level are reached.

It can be wall mounted through the relevant wall fixing kit.

## GENERAL TECHNICAL DATA

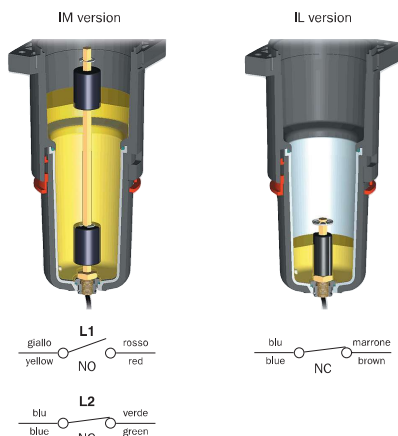
<b>INLET-OUTLET connections</b>	1"
<b>Maximum inlet pressure</b>	7 Bar
<b>Maximum voltage</b>	100 V AC
<b>Electric contact</b>	0,75 A 10W Protection IP 65
<b>Bowl capacity</b>	440 cc
<b>Recommended oil viscosity</b>	ISO VG32
<b>Reference flow rate</b>	(P=6,3 bar P=1 bar) 11.800 NI/min
<b>Working temperature (a 7 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1" 80 Nm
<b>Weight</b>	1,194 kg

Below 3°C the air of the circuit must be free from humidity

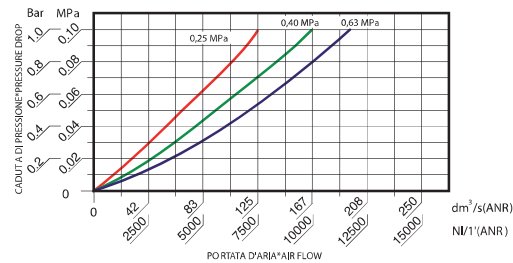
## ORDERING CODE

CODE	REF.
095.03.00002	L 1" 095 PE IL
095.03.00003	L 1" 095 PE IM

## LEVEL INDICATOR



CURVE DI PORTATA \*FLOW CHARTS



## GUIDE TO REFERENCES

### L 1/4" 042 PE

<b>Product</b>	<b>L</b> = Lubricator
<b>Connection</b>	1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"
<b>Line</b>	042 050 052 075 080 095
<b>Version</b>	= Standard VL = Vacuum filling IL = Min Level indicator IM = Max/Min Level indicator (Line 095 only)
<b>Bowl</b>	TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 095 1" | FILTER REGULATORS

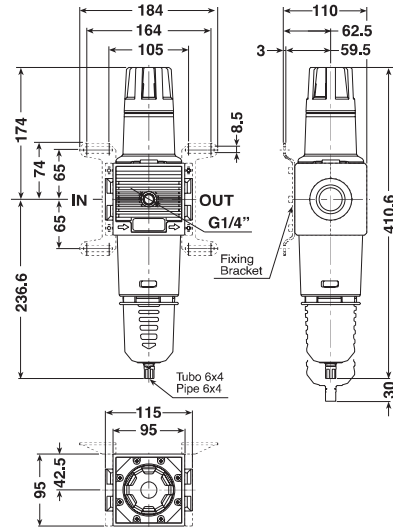
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

High performance modular filter regulator ensuring big flow rate and low load loss.  
Relieving for a quick exhaust of the downstream overpressure.  
Knob with locking pressure device.  
Equipped with semiautomatic condensate drain as standard (SS).  
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.  
Bowl made from hardened polyamide with outer guard.

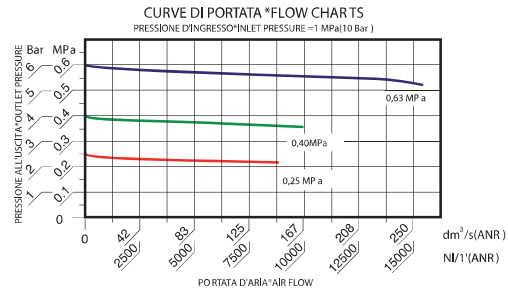
## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate</b>	(P1= 6,3 bar P= 1bar) :13.800 Nl/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1" 80 Nm
<b>Max torque gauge port</b>	10 Nm
<b>Bowl capacity</b>	200 cc
<b>Weight</b>	2,060 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
095.04.00002	FR 1" 095 20 04 R PE SS
095.04.00001	FR 1" 095 20 08 R PE SS
095.04.00003	FR 1" 095 20 12 R PE SS
095.04.00005	FR 1" 095 5 04 R PE SS
095.04.00004	FR 1" 095 5 08 R PE SS
095.04.00006	FR 1" 095 5 12 R PE SS
<b>Float type automatic drain version.</b>	
095.04.00007	FR 1" 095 20 08 R PE SA
095.04.00009	FR 1" 095 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
095.04.00014	FR 1" 095 20 08 R PE SAD
095.04.00015	FR 1" 095 20 12 R PE SAD
095.04.00016	FR 1" 095 5 08 R PE SAD
095.04.00017	FR 1" 095 5 12 R PE SAD



## GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product <b>FR</b> = Filter regulator	Condensate Drain <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Bowl <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	Version <b>R</b> = Relieving
Filtering element <b>5</b> = 5 micron <b>20</b> = 20 micron	Range of pressure <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar

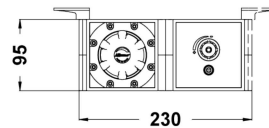
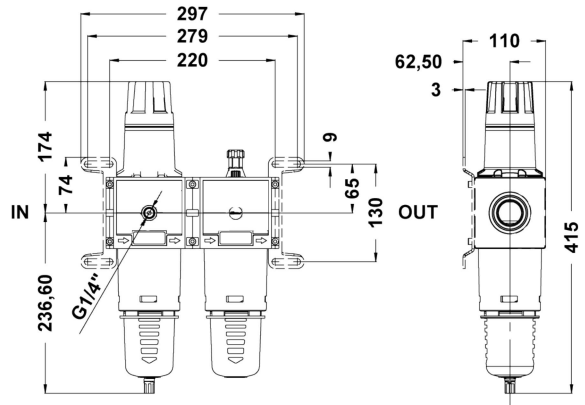
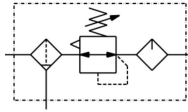


## WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

095.04.M0002 FR 1" 095 20 04 R PE SS + GAUGE

# LINE 095 1" | FR+L UNITS



## GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.  
It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.  
Unit featuring big flow rate and regulation sensitivity, filtration and high condensate separation.  
Semiautomatic condensate drain supplied as standard (SS).  
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized.  
Bowl made from hardened polyamide with outer guard.

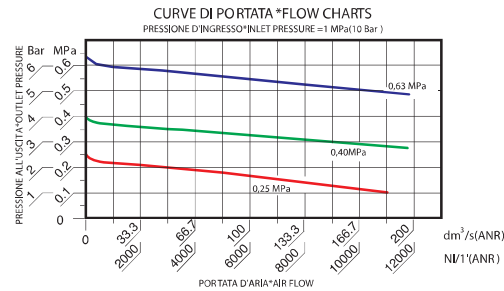
## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate</b>	(P1= 6,3 bar P= 1bar) : 8.000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1" 80 Nm
<b>Max torque gauge port</b>	10 Nm
<b>Weight</b>	3,37 Kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
095.06.00002	FR+L 1" 095 20 04 R PE SS
095.06.00001	FR+L 1" 095 20 08 R PE SS
095.06.00003	FR+L 1" 095 20 12 R PE SS
095.06.00005	FR+L 1" 095 5 04 R PE SS
095.06.00004	FR+L 1" 095 5 08 R PE SS
095.06.00006	FR+L 1" 095 5 12 R PE SS
<b>Float type automatic drain version.</b>	
095.06.00007	FR+L 1" 095 20 08 R PE SA
095.06.00009	FR+L 1" 095 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
095.06.00013	FR+L 1" 095 20 08 R PE SAD
095.06.00014	FR+L 1" 095 20 12 R PE SAD



## GUIDE TO REFERENCES

FR+L 1/4" 042 20 08 R PE SS

Product <b>FR+L</b> = Filter regulator + Lubricator	Condensate Drain <b>SS</b> = Semiautomatic (standard) <b>SA</b> = Automatic float type <b>SAD</b> = Automatic differential <b>S18</b> = Open seat 1/8 F
Connection <b>1/4"</b> = G 1/4" <b>3/8"</b> = G 3/8" <b>1/2"</b> = G 1/2" <b>3/4"</b> = G 3/4" <b>1"</b> = G 1"	Bowl <b>TT</b> = Transparent (Line 042 only) <b>TC</b> = Short transparent (Line 042 only) <b>PE</b> = With outer guard
Line <b>042</b> <b>050</b> <b>052</b> <b>075</b> <b>080</b> <b>095</b>	Version <b>R</b> = Relieving
Filtering element <b>5</b> = 5 micron <b>20</b> = 20 micron	Range of pressure <b>04</b> = 0 - 4 Bar <b>08</b> = 0 - 8 Bar <b>12</b> = 0 - 12 Bar



WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

095.06.M0002 FR+L 1" 095 20 04 R PE SS + GAUGE

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE 095 1" | F+R+L UNITS

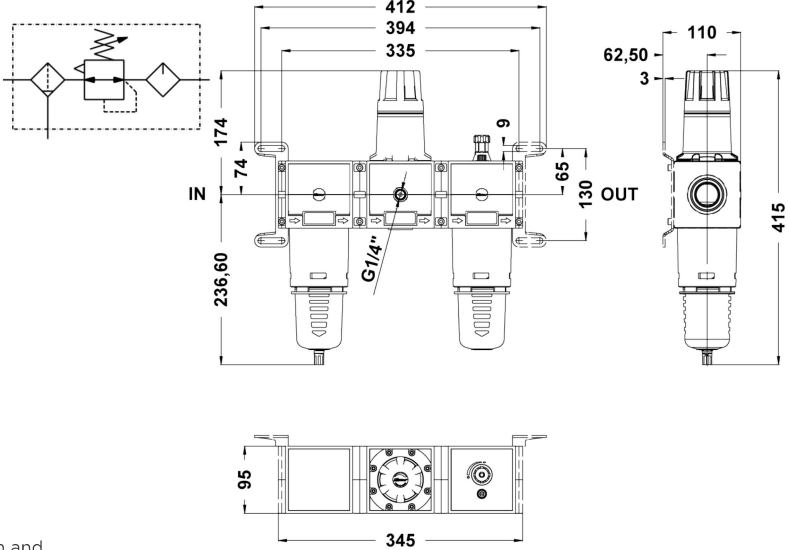
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## GENERAL FEATURES

Unit consisting of Filter + Regulator + Lubricator. It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application. Unit featuring big flow rate and regulation sensitivity, filtration and high condensate separation. Semiautomatic condensate drain supplied as standard (SS). Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to the outside even when the bowl is pressurized. Bowl made from hardened polyamide with outer guard.

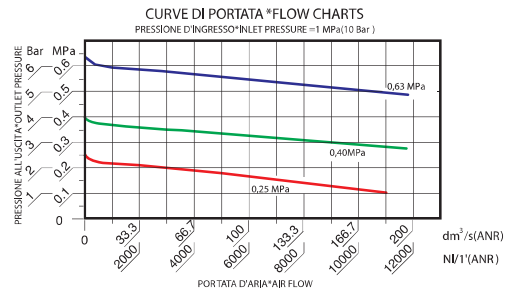
## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1"
<b>Pressure range</b>	0-4; 0-8; 0-12 Bar
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate</b>	(P1= 6,3 bar P= 1bar) : 8.000 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1" 80 Nm
<b>Max torque gauge port</b>	10 Nm
<b>Weight</b>	4,44 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
095.05.00002	F+R+L 1" 095 20 04 R PE SS
095.05.00001	F+R+L 1" 095 20 08 R PE SS
095.05.00003	F+R+L 1" 095 20 12 R PE SS
095.05.00005	F+R+L 1" 095 5 04 R PE SS
095.05.00004	F+R+L 1" 095 5 08 R PE SS
095.05.00006	F+R+L 1" 095 5 12 R PE SS
<b>Float type automatic drain version.</b>	
095.05.00007	F+R+L 1" 095 20 08 R PE SA
095.05.00009	F+R+L 1" 095 20 12 R PE SA
<b>"Differential" automatic drain version.</b>	
095.05.00013	F+R+L 1" 095 20 08 R PE SAD
095.05.00014	F+R+L 1" 095 20 12 R PE SAD



## GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

<b>Product</b> F+R+L = Filter + Regulator + Lubricator	<b>Condensate Drain</b> SS = Semiautomatic (standard) SA = Automatic float type SAD = Automatic differential S18 = Open seat 1/8 F
<b>Connection</b> 1/4" = G 1/4" 3/8" = G 3/8" 1/2" = G 1/2" 3/4" = G 3/4" 1" = G 1"	<b>Bowl</b> TT = Transparent (Line 042 only) TC = Short transparent (Line 042 only) PE = With outer guard
<b>Line</b> 042 050 052 075 080 095	<b>Version</b> R = Relieving
<b>Filtering element</b> 5 = 5 micron 20 = 20 micron	<b>Range of pressure</b> 04 = 0 - 4 Bar 08 = 0 - 8 Bar 12 = 0 - 12 Bar

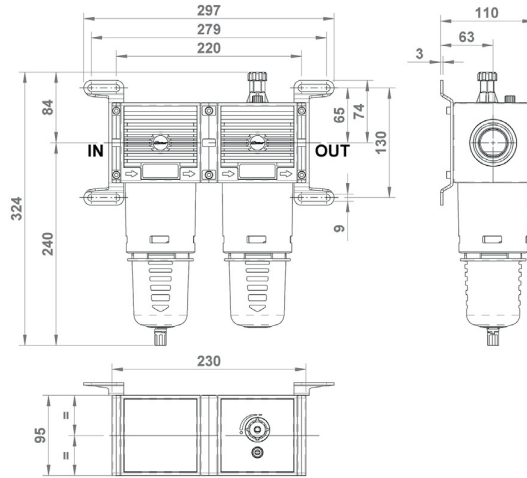
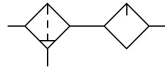


## WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

095.05.M0002 F+R+L 1" 095 20 04 R PE SS + GAUGE

# LINE 095 1" | F+L UNITS



## GENERAL FEATURES

Unit consisting of Filter and Lubricator.  
It combines the function of filtration and lubrication of compressed air for industrial applications.  
Proportional oil-mist lubricator ensuring a constant oil delivery over time.  
Bowl made from hardened polyamide with outer guard.

## GENERAL TECHNICAL DATA

<b>INLET-OUTLET connections</b>	1"
<b>Working pressure</b>	0,5 - 12,5 Bar
<b>Working pressure with automatic drain</b>	model SA: 1,5 - 10 Bar model SAD: 2 - 12 Bar
<b>Filtering degree</b>	5 micron; 20 micron
<b>Reference flow rate</b>	(P1= 10 bar P= 1bar) : 13,800 NI/min
<b>Working temperature (a 10 bar)</b>	-5 / +50°C*
<b>Max Torque IN-OUT</b>	1" 80 Nm
<b>Recommended oil viscosity</b>	ISO VG32
<b>Weight</b>	2,45 kg

Below 3°C the air of the circuit must be free from humidity

## ORDERING CODE

CODE	REF.
<b>095.07.00001</b>	F+L 1" 095 20 PE SS
<b>095.07.00002</b>	F+L 1" 095 5 PE SS
<b>Float type automatic drain version.</b>	
<b>095.07.00003</b>	F+L 1" 095 20 PE SA
<b>095.07.00004</b>	F+L 1" 095 5 PE SA
<b>"Differential" automatic drain version.</b>	
<b>095.07.00005</b>	F+L 1" 095 20 PE SAD
<b>095.07.00006</b>	F+L 1" 095 5 PE SAD

## GUIDE TO REFERENCES

F + L 1/4" 042 20 PE SS

Product  
**F+L** = Filter + Lubricator

Connection  
**1/4"** = G 1/4"  
**3/8"** = G 3/8"  
**1/2"** = G 1/2"  
**3/4"** = G 3/4"  
**1"** = G 1"

Line  
**042**  
**050**  
**052**  
**075**  
**080**  
**095**

Condensate Drain  
**SS** = Semiautomatic (standard)  
**SA** = Automatic float type  
**SAD** = Automatic differential  
**S18** = Open seat 1/8 F

Bowl  
**TT** = Transparent (Line 042 only)  
**TC** = Short transparent (Line 042 only)  
**PE** = With outer guard

Filtering element  
**5** = 5 micron  
**20** = 20 micron

AIR PREPARATION

VALVES

CYLINDERS

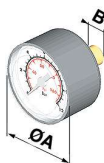
FITTINGS

WATER PREPARATION

# LINE 095 1" | ACCESSORIES

AIR PREPARATION

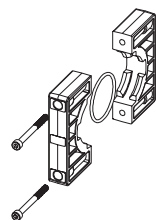
## GAUGE



CODE	Bar	Psi	A	B	CH.
<b>A95.01.00026</b>	0-12	0-175	63	G1/4"	14

VALVES

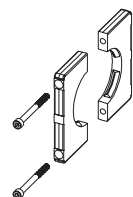
## KIT ASSEMBLING UNITS



CODE	PRODUCT
<b>C95.05.00001</b>	F+R+L
<b>C95.06.00001</b>	FR+L - F+L

CYLINDERS

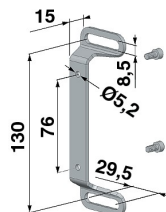
## WALL FIXING KIT



CODE	PRODUCT
<b>C95.01.00015</b>	R - F - L - FR

FITTINGS

## BRACKET



CODE
<b>C95.01.00018</b>

WATER PREPARATION

## AUTOMATIC DRAIN



CODE	PRODUCT
<b>C40.02.00130 SA</b>	F - FR
<b>C42.02.00012 SAD</b>	F - FR

## MOUNTING KIT FOR AUTOMATIC DRAIN

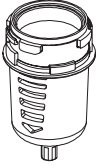


CODE	PRODUCT
<b>C40.02.00131</b>	SA - SAD



# LINE 095 1" | SPARE PARTS

## BOWL FOR FILTER



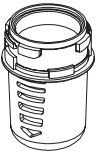
CODE	PRODUCT	VERSION
<b>C95.02.00005</b>	F - FR	PE SS

## BOWL WITH AUTOMATIC DRAIN



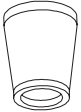
CODE	PRODUCT	VERSION
<b>C95.02.00006</b>	F - FR	PE SA
<b>C95.02.00019</b>	F - FR	PE SAD

## BOWL FOR LUBRICATOR



CODE	PRODUCT	VERSION
<b>C95.03.00004</b>	L	PE
<b>C95.03.00007</b>	IL	PE

## FILTERING ELEMENT



CODE	PRODUCT	VERSION
<b>A95.02.00006</b>	F - FR	20 MICRON
<b>A95.02.00007</b>	F - FR	5 MICRON

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION

# LINE AP1 | PRESSURE SWITCHES

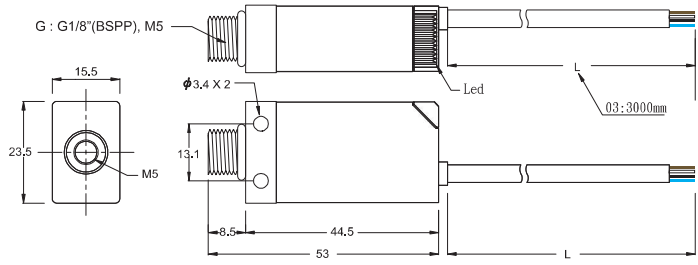
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



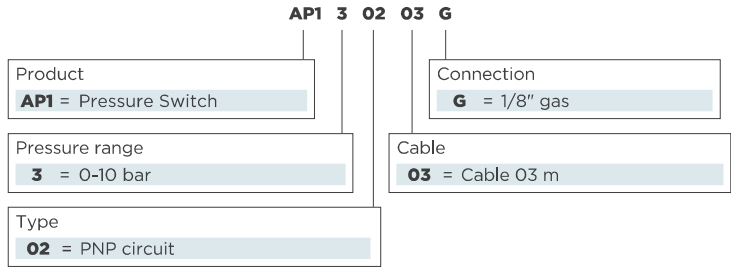
## GENERAL FEATURES

- AIRCOMP electronic pressure switch AP1 is distinguished by great versatility allowing to adjust both switching point and hysteresis.
- \* Featuring particularly compact dimensions, it can be mounted on all AIRCOMP air-supply kits.
- \* Available version with digital PNP output with Led for switching indication.
- \* Switching range: 0 - 10 bar.
- \* Pneumatic connection 1/8 (with internal thread M5).

## GENERAL TECHNICAL DATA

<b>Fluid</b>	air, non corrosive and non flammable gas
<b>Pressure range</b>	0 - 10 bar
<b>Maximum pressure</b>	15 bar
<b>Supply voltage</b>	12 - 24V DC +/- 10%
<b>Response time</b>	5 ms or lower
<b>Output method model</b>	PNP 80 mA
<b>Current consumption</b>	21 mA max
<b>IP protection</b>	IP40
<b>Ambient temperature</b>	0 - 50 °C
<b>Umbient humidity range</b>	35 - 85% RH
<b>Connection</b>	G 1/8 (M5 internal)
<b>Cable lenght</b>	3 m
<b>Weight</b>	50 g
<b>Led</b>	red

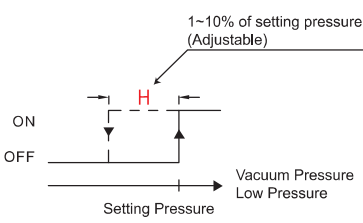
## GUIDE TO REFERENCES



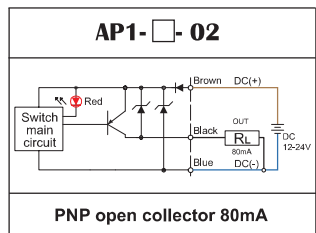
## PRESSURE SWITCH

	<b>CODE</b>	<b>REF.</b>
	<b>A50.06.00005</b>	AP1-3-02-03-G

## HYSTERESIS ADJUSTABLE



## PRESSURE SWITCH CIRCUIT



## INTERMEDIATE AIR TAKE-OFF SLIM + PRESSURE SWITCH LINE 042-1/4



CODE	REF.
<b>C42.05.00109</b>	PA 042 1/8-1/4 (BATTERY) + AP1

## TERMINAL AIR TAKE-OFF WITH PRESSURE SWITCH LINE 042-1/4



CODE	REF.
<b>C42.05.00015</b>	PA INLET 042 + AP1 (INLET)
<b>C42.05.00016</b>	PA OUTLET 042 + AP1 (OUTLET)

## INTERMEDIATE AIR TAKE-OFF WITH PRESSURE SWITCH LINE 050 3/8-052 1/2



CODE	REF.
<b>C50.05.00006</b>	PA 050 INTERMEDIATE + AP1

## TERMINAL AIR TAKE-OFF WITH PRESS SWITCH LINEA 050-3/8 - 052-1/2



CODE	REF.
<b>C50.05.00007</b>	PA INLET 050 3/8 + AP1 (INLET)
<b>C50.05.00008</b>	PA OUTLET 050 3/8 + AP1 (OUTLET)

## INTERMEDIATE AIR TAKE-OFF WITH PRESS SWITCH LINE 075-1/2



CODE	REF.
<b>C75.06.00008</b>	PA 075 INTERMEDIATE + AP1

## TERMINAL AIR TAKE-OFF WITH PRESS SWITCH LINE 075-1/2



CODE	REF.
<b>C75.06.00009</b>	PA INLET 075 1/2 + AP1 (INLET)
<b>C75.06.00010</b>	PA OUTLET 075 1/2+ AP1 (OUTLET)

# SA-SAD | CONDENSATE AUTOMATIC DRAINS

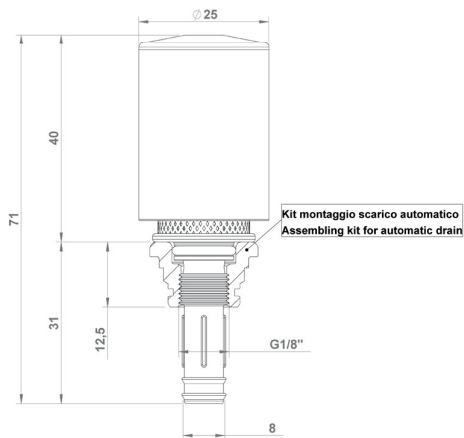
AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION



## SA - AUTOMATIC DRAIN

"SA" automatic drain allows draining condensate inside the bowl, both when it is pressurized and depressurized.

The float type functioning allows draining the condensate, that has built up inside the bowl, upon reaching the preset level.

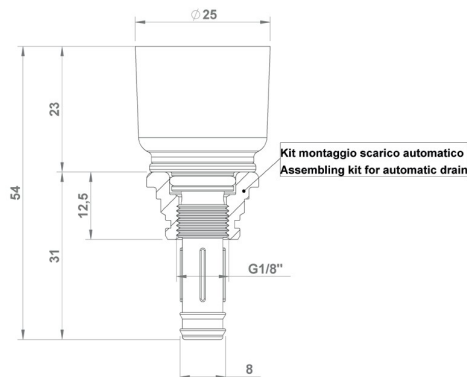
"SA" drain can be assembled on all AIRCOMP Lines (042, 050, 052, 075, 080 and 095) by means of its proper kit.

### GENERAL TECHNICAL DATA

<b>Minimum working pressure</b>	1,5 bar
<b>Maximum pressure</b>	10 bar

### ORDERING CODE

CODE	REF.
<b>C40.02.00130</b>	automatic drain "SA"
<b>C40.02.00131</b>	Assembling kit



## SAD - DIFFERENTIAL DRAIN

"SAD" drain allows draining condensate inside the bowl, both when it is pressurized and depressurized.

The differential type of functioning allows draining the condensate, that has built up inside the bowl, upon reaching the preset level.

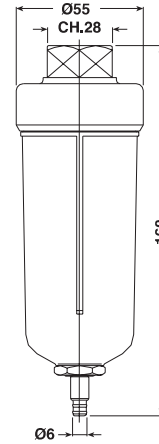
### GENERAL TECHNICAL DATA

<b>Minimum working pressure</b>	2 bar
<b>Maximum pressure</b>	12 bar
<b>Δp minimo</b>	0,2 bar
<b>Minimum flow rate</b>	30 lt/min

### ORDERING CODE

CODE	REF.
<b>C42.02.00012</b>	differential automatic drain "SAD"
<b>C40.02.00131</b>	Assembling kit

# LINE 010-1/2" | DRIP LEG DRAINS



## GENERAL FEATURES

Drip leg drain allows removing condensed liquids from pipes, such as the feeding lines, without any manual intervention.

The unit is equipped with a filter for protecting the float type automatic drain, having the function to remove condensate.

When the unit is depressurized, the drain remains open, guaranteeing the removal of the left in liquid particles.

When the unit is pressurized, the drain opens upon reaching the preset condensate level inside the bowl.

It is equipped with pipe holder for conveying the removed condensate.

In order to allow maintenance operations, it is possible to depressurize the drip leg drain loosening the pipe holder on the external bottom part of the unit.

## GENERAL TECHNICAL DATA

<b>Fluid</b>	compressed air
<b>Connections</b>	1/2 G"
<b>Maximum operating pressure</b>	10 bar
<b>Minimum working pressure</b>	1,5 bar
<b>Working temperature (a 10 bar):</b>	-5 / +50°C (at temperature lower than 2°C air must be dried)
<b>Weight</b>	0,225 kg

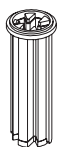
## DRIP LEG DRAIN



### ORDERING CODE

CODE	REF.
010.00.00001	SAL

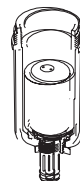
## SPARE PARTS



### DRIP LEG DRAIN

#### ORDERING CODE

CODE	REF.
A10.00.00003	SAL



### BOWL WITH AUTOMATIC DRAIN

#### ORDERING CODE

CODE	REF.
C10.00.00003	SAL

AIR PREPARATION

VALVES

CYLINDERS

FITTINGS

WATER PREPARATION