

Paint spray guns

For a perfect spray pattern



Low pressure requirements and an optimal material transfer rate produce **an extra-fine spray, even with high-viscosity materials**



Stepless material and air quantity regulation for **efficient working progress**



Flexible adaptation of the spray pattern by adjusting from a round to a wide jet



Environmentally friendly due to VOC-compliant material transfer rate



Example: Paint spray gun FSP-FP-HTE2-1,3

The right gun and compatible accessories no matter whether you are processing water-based or solvent-based varnish, emulsion or engraving. Our paint spray guns impress with a good spray pattern and a high transfer rate – the foundation for efficient work and cost savings.

Overview of our paint spray guns

Paint spray guns with flow cups or replaceable cups				Paint spray guns with suction cups	Paint spray guns with material connection		
2809916540	2809916541	2809916542	DGKD030310; DGKD030011; DGKD030312	DGKD030212	DGKD030213	DGKD030194	
Mini-Vario 3	FSP-AZ 3	FSP-Optimal 2002	FSP-FP-HTE2	FSP-FP-HTE2 S	FSP-FP-HTE2 MA	FSP-FP 2001 M-MA	

Application options							
Stains	1.0 / 1.2	1.0 / 1.2	1.3 / 1.5	1.3 / 1.5 / 1.8	1.3 / 1.5 / 1.8	1.3 / 1.5 / 1.8	-
Varnish	1.0 / 1.2	1.0 / 1.2	1.3 / 1.5	1.0 / 1.3	1.0 / 1.3	1.0 / 1.3	-
Filling compound	-	-	2.2 / 2.5	2.0 / 2.5 / 3.0 / 3.5	2.0 / 2.5 / 3.0	2.0 / 2.5	-
Filler	-	-	1.7 / 1.9	1.3 / 1.5 / 1.8	1.3 / 1.5 / 1.8	1.3 / 1.5 / 1.8	-
Primer	-	1.0 / 1.2	1.3 / 1.5	1.3 / 1.5 / 1.8	1.3 / 1.5 / 1.8	1.3 / 1.5 / 1.8	-
1-C top coat	1.0 / 1.2	1.0 / 1.2	1.3 / 1.5	1.3 / 1.5 / 1.8 / 2.0	1.3 / 1.5 / 1.8 / 2.0	1.3 / 1.5 / 1.8 / 2.0	-
2-C top coat	1.0 / 1.2	1.0 / 1.2	1.3 / 1.5	1.3 / 1.5 / 1.8 / 2.0	1.3 / 1.5 / 1.8 / 2.0	1.3 / 1.5 / 1.8 / 2.0	-
Clear varnish	1.0 / 1.2	1.0 / 1.2	1.3 / 1.5	1.0 / 1.3 / 1.5	1.0 / 1.3 / 1.5	1.0 / 1.3 / 1.5	-
Textured paint	-	-	1.9 / 2.2 / 2.5	1.8 / 2.0 / 2.5	1.8 / 2.0 / 2.5	1.8 / 2.0 / 2.5	-
Latex paint	-	-	-	-	-	2.0 / 2.5	2.0 / 2.5 / 3.0
Application areas							
Small surfaces	++	++	+	+	+	+	
Large surfaces	+	+	++	++	++	++	++
Water-based lacquers		++	+	++	++	++	++
Solvent-based varnish	++	++	++	++	++	++	++

++ very well suited + well suited

Model	Art. no.	Nozzle diameter [mm]	Air requirement [l/min]	Working pressure [bar]	Weight [kg]	Page in the catalogue
FSP-Mini-Vario 3	2809916540	0.7	80-210	1-4	0.4	208
FSP-AZ 3	2809916541	0.5	130-200	2-4	0.27	208
FSP-Optimal 2002-1,5	2809916542	1.5	120-150	2-4	0.72	209
FSP-FP-HTE2-1,3	DGKD030311	1.3	200-300	2-3	0.52	209
FSP-FP-HTE2-1,5	DGKD030310	1.5	200-300	2-3	0.52	209
FSP-FP-HTE2-1,8	DGKD030312	1.8	200-300	2-3	0.52	209
FSP-FP-HTE2 S	DGKD030212	1.5	80-290	2	0.82	210
FSP-FP-HTE2 MA	DGKD030213	1.5	100-250	2	0.48	211
FSP-FP 2001 M-MA	DGKD030194	2.5	200	2-4	0.7	211

Paint spray guns with flow cups or replaceable cups				Paint spray guns with suction cups	Paint spray guns with material connection		
2809916540	2809916541	2809916542	DGKD030310; DGKD030011; DGKD030312	DGKD030212	DGKD030213	DGKD030194	
Mini-Vario 3	FSP-AZ 3	FSP-Optimal 2002	FSP-FP-HTE2	FSP-FP-HTE2 S	FSP-FP-HTE2 MA	FSP-FP 2001 M-MA	

Features							
Stepless round/wide jet control	x	x	x	x	x	x	x
Material flow regulation	x	x	x	x	x	x	x
Air quantity regulation		x	x		x	x	
Nozzle and needle made of stainless steel or high-grade steel/brass – for use with water-based paints		x	x	x	x	x	x
Polished easy-to-clean surface				x	x	x	
Slotted nozzle for efficient processing and atomisation of latex paints							x
Compact design for tireless work	x	x	x	x	x	x	x
With material connection for use with material pressure vessel						x	x
With flow cup	x	x	x	x			
With suction cup	x				x		

X available

Paint spray guns

Mini-Vario 3 paint spray guns

NEW



- Compact gun design and 0.25 l flow cup for smaller surfaces
- Infinitely variable adjustment of the material quantity for efficient working
- Flexible adaptation of the spray pattern by adjusting from a round to a wide jet



With flow cup and 2 suction cups with adapter

Model	Art. no.	Contents	Nozzle dia. (mm)	Air requirement (l/min)	Working pressure (bar)	Weight (kg)	Size
FSP-Mini-Vario 3	2809916540	Paint guns	0.7	80-210	1-4	0.4	
DSZ 0,5 Mini-Vario 3	2809919540	Nozzle set	0.5				
DSZ 0,7 Mini-Vario 3	2809919541	Nozzle set	0.7				
DSZ 1,0 Mini-Vario 3	2809919542	Nozzle set	1				
DSZ 1,2 Mini-Vario 3	2809919543	Nozzle set	1.2				
DSZ 0,5 Mini Vario 2	DGKB030390	Nozzle set	0.5				
DSZ 0,7 Mini-Vario 2	DGKB030391	Nozzle set	0.7				
DSZ 1,0 Mini-Vario 2	DGKB030392	Nozzle set	1				
DSZ 1,2 Mini-Vario 2	DGKB030393	Nozzle set	1.2				
FB 0,25 I-AZ	DGKB030365	Flow cup					0.25 l

AZ 3 paint spray guns

NEW



- Versatile gun processes water-based and solvent-based materials
- Lightweight, handy design ideal for smaller surfaces
- Stepless material and air quantity regulation for efficient working progress
- Flexible adaptation of the spray pattern by adjusting from a round to a wide jet



With 0.25 l flow cup

Model	Art. no.	Contents	Nozzle dia. (mm)	Air requirement (l/min)	Working pressure (bar)	Weight (kg)	Size
FSP-AZ 3	2809916541	Paint guns	0.5	130-200	2-4	0.27	
DSZ 0,5 AZ 3	2809919544	Nozzle set	0.5				
DSZ 0,8 AZ 3	2809919545	Nozzle set	0.8				
DSZ 1,0 AZ 3	2809919546	Nozzle set	1				
DSZ 1,2 AZ 3	2809919547	Nozzle set	1.2				
DSZ 0,5 AZ 2	DGKB030361	Nozzle set	0.5				
DSZ 0,8 AZ 2	DGKB030362	Nozzle set	0.8				
DSZ 1,0 AZ 2	DGKB030363	Nozzle set	1				
FB 0,25 I-AZ	DGKB030365	Flow cup					0.25 l



NEW

Optimal 2002 paint spray guns

- Large 0.5 l flow cup for universal use on small or large surfaces
- Simple setting of inlet pressure with air micrometer directly at the gun
- Stepless material and air quantity regulation for efficient working progress
- Flexible adaptation of the spray pattern by adjusting from a round to a wide jet

 With stainless steel nozzle and flow cup
0.5 l with drop stop



Model	Art. no.	Contents	Nozzle dia. (mm)	Air requirement (l/min)	Working pressure (bar)	Weight (kg)	Size
FSP-Optimal 2002-1,5	2809916542	Paint guns	1.5	120-150	2-4	0.72	
DSZ 1,3 Optimal 2002	2809919548	Nozzle set	1.3				
DSZ 1,5 Optimal 2002	2809919549	Nozzle set	1.5				
DSZ 1,7 Optimal 2002	2809919550	Nozzle set	1.7				
DSZ 1,9 Optimal 2002	2809919551	Nozzle set	1.9				
DSZ 2,2 Optimal 2002	2809919552	Nozzle set	2.2				
DSZ 2,5 Optimal 2002	2809919553	Nozzle set	2.5				
DSZ 1,5 Optimal 2001	DGKB030311	Nozzle set	1.5				
DSZ 1,7 Optimal 2001	DGKB030312	Nozzle set	1.7				
Paint cup 500 cc Optimal 2002	2809919554	Flow cup					0.5 l

HTE2 paint spray guns

Common features

- Universal paint spray guns for trade with different equipment versions
- Stainless steel paint nozzle and needle for an extra-fine spray, even with high-viscosity materials
- Stepless material and air quantity regulation for efficient working progress
- Flexible adaptation of the spray pattern by adjusting from a round to a wide jet
- Environmentally friendly due to VOC-compliant material transfer rate

HTE2 paint spray guns

- Flow cup version

 Flow cup 0.6 l

Model	Art. no.	Nozzle dia. (mm)	Air requirement (l/min)	Working pressure (bar)	Weight (kg)
FSP-FP-HTE2-1,3	DGKD030311	1.3	200-300	2-3	0.52
FSP-FP-HTE2-1,5	DGKD030310	1.5	200-300	2-3	0.52
FSP-FP-HTE2-1,8	DGKD030312	1.8	200-300	2-3	0.52



Accessories

Model	Art. no.	Nozzle dia. (mm)	Contents	Size
DSZ 1,3 FP-HTE	DGKB030012	1.3	Nozzle set	
DSZ 1,5 FP-HTE	DGKB030013	1.5	Nozzle set	
DSZ 1,8 FP-HTE	DGKB030014	1.8	Nozzle set	
DSZ 2,0 FP-HTE	DGKB030015	2	Nozzle set	
DSZ 2,5 FP-HTE	DGKB030016	2.5	Nozzle set	
DSZ 3,0 FP-HTE	DGKB030017	3	Nozzle set	
FB 0,6 l-FP-HTE	DGKB030018		Flow cup	0.6 l

Paint spray guns

HTE2 paint spray guns with suction cups



- With large nozzle diameter and 1.0 l suction cup, particularly suitable for painting large surfaces
- Infinitely variable adjustment of the material quantity for accurate dosage and efficient working
- Flexible adaptation of the spray pattern by adjusting from a round to a wide jet
- Environmentally friendly due to VOC-compliant material transfer rate
- Stainless steel paint nozzle and needle for an extra-fine spray, even with high-viscosity materials

✓	With polished, ergonomically optimised gun body
✓	Optimised air cap for an outstanding spray pattern and minimal overspray
✓	Suction cup 1.0 l

Model	Art. no.	Contents	Nozzle dia. (mm)	Air requirement (l/min)	Working pressure (bar)	Weight (kg)
FSP-FP-HTE2 S	DGKD030212	Lackierpistole	1.5	80-290	2	0.82
DSZ 1,3 FP-HTE-S	DGKB040162	Düsensatz	1.3			
DSZ 1,5 FP-HTE-S	DGKB040163	Düsensatz	1.5			
DSZ 1,8 FP-HTE-S	DGKB040164	Düsensatz	1.8			
DSZ 2,0 FP-HTE-S	DGKB040165	Düsensatz	2			
DSZ 2,5 FP-HTE-S	DGKB040166	Düsensatz	2.5			
DSZ 3,0 FP-HTE-S	DGKB040167	Düsensatz	3			
SB 1,0 l	DGKB040174	Saugbecher				

Tip

Please always consult the paint data sheet from the paint manufacturer – it contains more exact information on the nozzle size you need to use.

Pressure controller



- Pressure controller with pressure gauge and plug nipple
- For regulating the inlet pressure, for all paint spray guns

Model	Art. no.	Working pressure (bar)	Mains supply
DM-FSP 1/4i	DGKD202105	10	R 1/4"i

HTE2 paint spray guns with material connection

- Stepless material and air quantity regulation for efficient working progress
- Flexible adaptation of the spray pattern by adjusting from a round to a wide jet
- Stainless steel paint nozzle and needle for an extra-fine spray, even with high-viscosity materials
- Environmentally friendly due to VOC-compliant material transfer rate

With 3/8" material connection for use over large surfaces in combination with material pressure vessels	✓
With polished, ergonomically optimised gun body	✓
Optimised air cap for an outstanding spray pattern and minimal overspray	✓



Model	Art. no.	Contents	Nozzle dia. (mm)	Air requirement (l/min)	Working pressure (bar)	Weight (kg)
FSP-FP-HTE2 MA	DGKD030213	Lackierpistole	1.5	100-250	2	0.48
DSZ 1,0 FP-HTE-MA	DGKB040168	Düsensatz	1			
DSZ 1,3 FP-HTE-MA	DGKB040169	Düsensatz	1.3			
DSZ 1,5 FP-HTE-MA	DGKB040170	Düsensatz	1.5			
DSZ 1,8 FP-HTE2 MA	DGKB040171	Düsensatz	1.8			
DSZ 2,0 FP-HTE2-MA	DGKB040172	Düsensatz	2.0			
DSZ 2,5 FP-HTE-MA	DGKB040173	Düsensatz	2.5			

Paint spray gun

- High-performance material spray gun with an ergonomic design and outstanding capacity to process high-quality materials, particularly suitable for continuous use
- Stepless material and air quantity regulation for efficient working progress

With 3/8" material connection for use over large surfaces in combination with material pressure vessels	✓
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Model	Art. no.	Contents	Nozzle dia. (mm)	Air requirement (l/min)	Working pressure (bar)	Weight (kg)
FSP-FP 2001 M-MA	DGKD030194	Farbspritzpistole	2.5	200	2-4	0.7
DSZ 2,0 FP 2001 M-MA	DGKB030340	Düsensatz	2			
DSZ 2,5 FP 2001 M-MA	DGKB030341	Düsensatz	2.5			
DSZ 3,0 FP 2001 M-MA	DGKB030342	Düsensatz	3			

Paint spray guns

Viscosity measuring cups



For determining lacquer viscosity in acc. with Ford-4 / DIN EN ISO 2431



Easy to clean plastic vessel with 4 mm opening



Model	Art. no.	Contents
B-Ford 4	DGKB030079	Viscosity measuring cup

Breathing mask



- For organic gases and vapours with 2 replaceable A1 activated carbon filters according to DIN EN 14387

With retaining ring and 2 prefilters



Model	Art. no.	Contents
ATM-A1	DGKD770128	Breathing mask
F-ATM	DGKB030157	Spare filter
VF-ATM / 10	DGKB030153	Prefilter