



Needle metering valves

Technical data (for 450 series)

Article no.		450.20.00	450.20.03
Metering volume per shot	ml	0.003 – 0.200	
Material inlet pressure min.	bar	3	
Material inlet pressure max.	bar	20	50
Viscosity range	mPas	10 – 200'000	
Material connection	G	1/4 60°	
Dimensions (A x B)	mm	35 x 35	
Height max. (C)	mm	260	
Weight	kg	0.75	



Accessories

Handle

	401.03.50	Handle pneumatic
	401.03.60	Handle electric with switch
	401.03.66	Handle electric with initiator

Signal generator

	1025106	Electronic signal transmitter with plug M8x1 and cable 5 m
	130078	Electronic signal transmitter with plug M8x1
	29.01.238	Cable 10m with plug 3-pole M8x1

Solenoid valve plate

	100.55.18	Solenoid valve plate with industrial plug form C
	1010904	Solenoid valve plate with throttle check valve and industrial plug form C
	1010807	Solenoid valve plate with plug 4 pin M8x1
	1010907	Solenoid valve plate with throttle check valve for plug 4-pole M8x1

Luer-Lock

	400.09.05	Luer-Lock-adapter
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Accessories

Spray adaptor

	1029791	Spray adaptor Ø1.0
	1013259	Solenoid valve for spray air
	1006954	Air maintenance unit

Different nozzle extensions and air caps available for spray adaptor

Nozzle extensions



Micro-flow sensor

	403.04.21	Micro-flow sensor
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Outlet adapter

	1002566	Outlet adapter IM12x1 iG 1/8 cpl.
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Air caps

	Div. air caps round spray (spray cone 15°)	
	Div. air caps flat spray (spray cone 45°/60°/90°)	