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Filling unit, pneumatically operated, Series AS5-SSU

- adjustable filling time and change-over pressure
- Compressed air connection G 1
- Pipe connection

Version	Poppet valve, Can be assembled into blocks
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	0 ... 16 bar
Control pressure min./max.	2,5 ... 16 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Max. particle size	25 µm
Duty cycle	100 %
Protection class according to EN 60529:2000, without electrical connector	IP65
Weight	0,924 kg

Technical data

Part No.	Port	Pilot connection	Exhaust	Flow	Flow	Flow
				Qn	Qn 1▸2	Qn 2▸3
R412009379	G 1	G 1/8	G 1/2	8750 l/min	8750 l/min	3700 l/min

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids dangerous, jerky cylinder movements.
Actuating the electric priority circuit disrupts the slow pressure build-up and pressure p1 is immediately applied.
Do not position filling valves or filling units upstream of open consumers, such as nozzles, air barriers, air curtains, since these may prevent through connection of components.
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc

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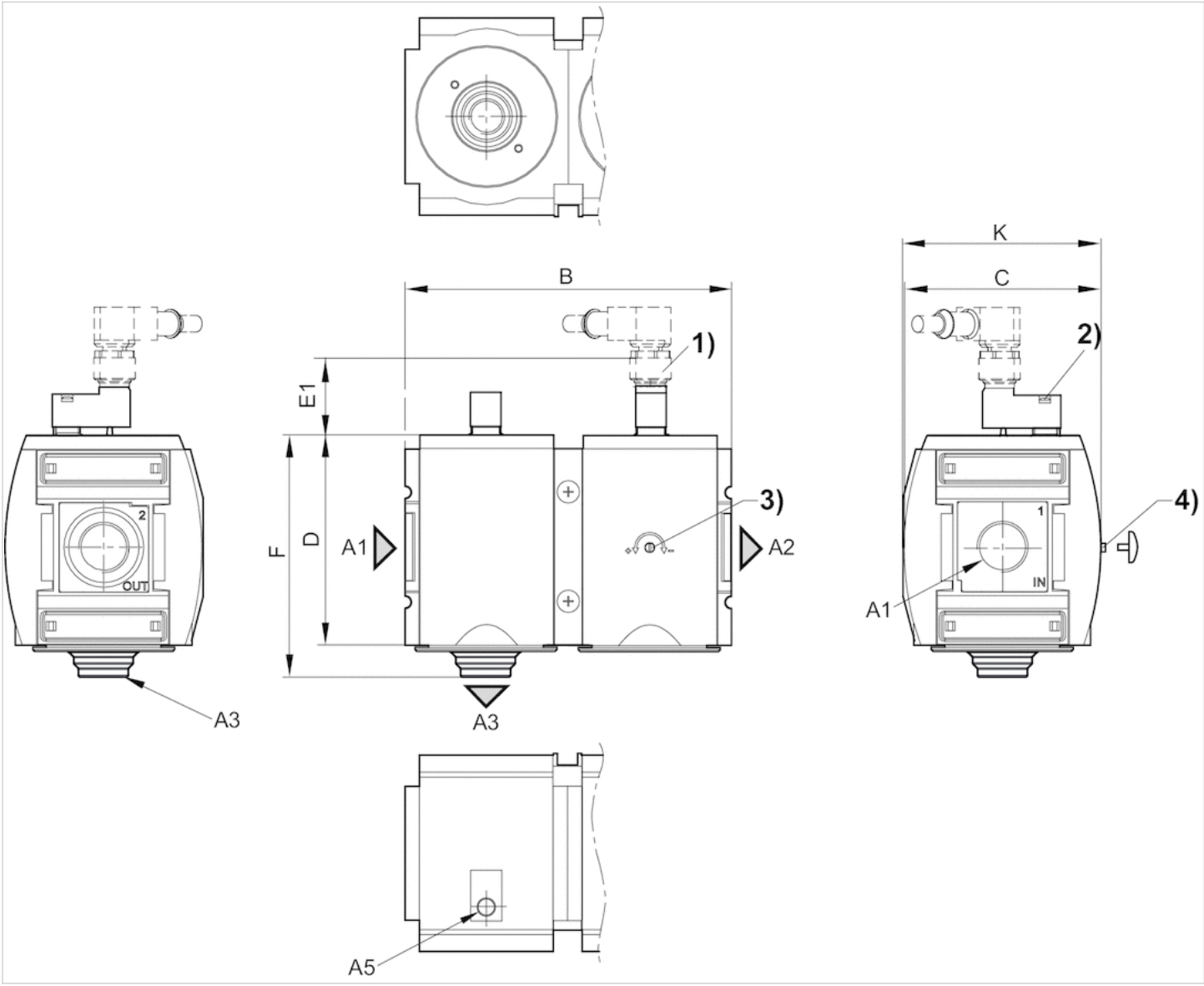
Dimensions

Dimensions



A1 = inputA2 = outputA3 = ventilation portA5 = control pressure connection
1) plug M12
2) Manual override
3) Adjustment screw for filling time
4) Adjustment screw lock

Dimensions in mm

A1	A2	A3	A5	B	C	D	E1	F	K
G 1	G 1	G 1/2	G 1/8	170	103	109	39	125	103.5

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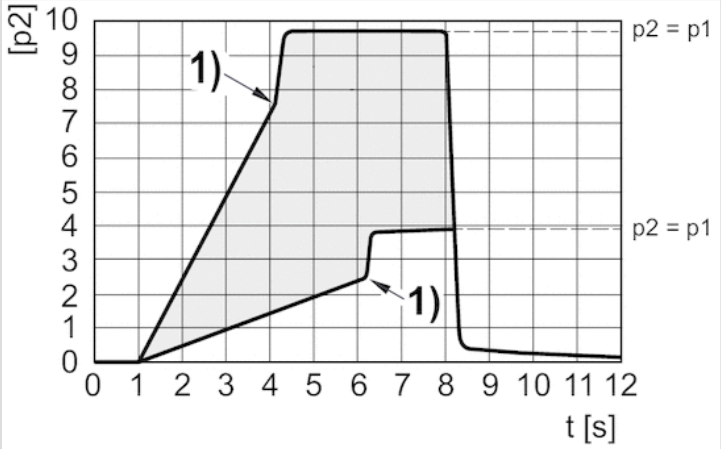
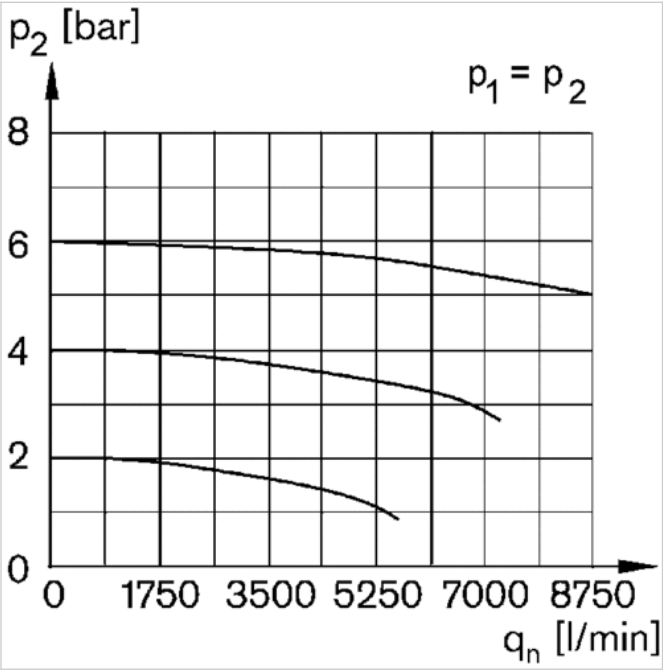
Diagrams

Secondary pressure while filling



p1 = working pressure
p2 = secondary pressure
t = filling time, adjustable via adjustment screw (throttle)
Change-over pressure individually adjustable via electrical signal
1) Switching point: adjustable filling time and change-over pressure

Flow rate characteristic



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

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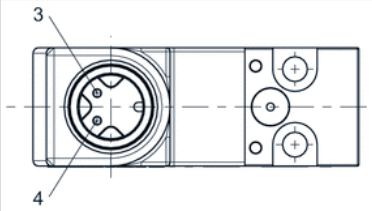
Pin assignments

Pin assignment M12x1



3: +/-
4: +/-