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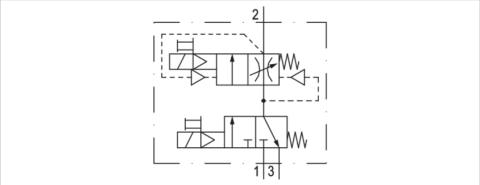
Filling unit, electrically operated, Series AS3-SSU

- adjustable filling time and change-over pressure
- Compressed air connection G 1/2
- Pipe connection
- Electrical connection: Plug, M12x1
- ATEX optional



Version	Poppet valve, Can be assembled into blocks
Parts	Filling valve, 3/2-directional valve, electrically operated
Nominal flow	3500 l/min
Nominal flow 1 ▸ 2	3500 l/min
Nominal flow 2 ▸ 3	3200 l/min
Working pressure min./max.	2,5 ... 10 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 ... 50 °C
Ambient temperature min./max.	-10 ... 50 °C
Pilot	internal
Sealing principle	Soft sealing
Max. particle size	25 µm
Protection class acc. to DIN EN 61140 with plug	IP65
Duty cycle	100 %
Weight	0,924 kg

Technical data

Part No.		Compressed air connection input	Compressed air connection output	Operationalvoltage
				DC
R412007395		G 1/2	G 1/2	24 V

Part No.	Power consumption	Electrical connection	basic valve with electrical connector
	DC	Pilot valve	
R412007395	2 W	Plug, M12x1	Basic valve with pilot valve

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.

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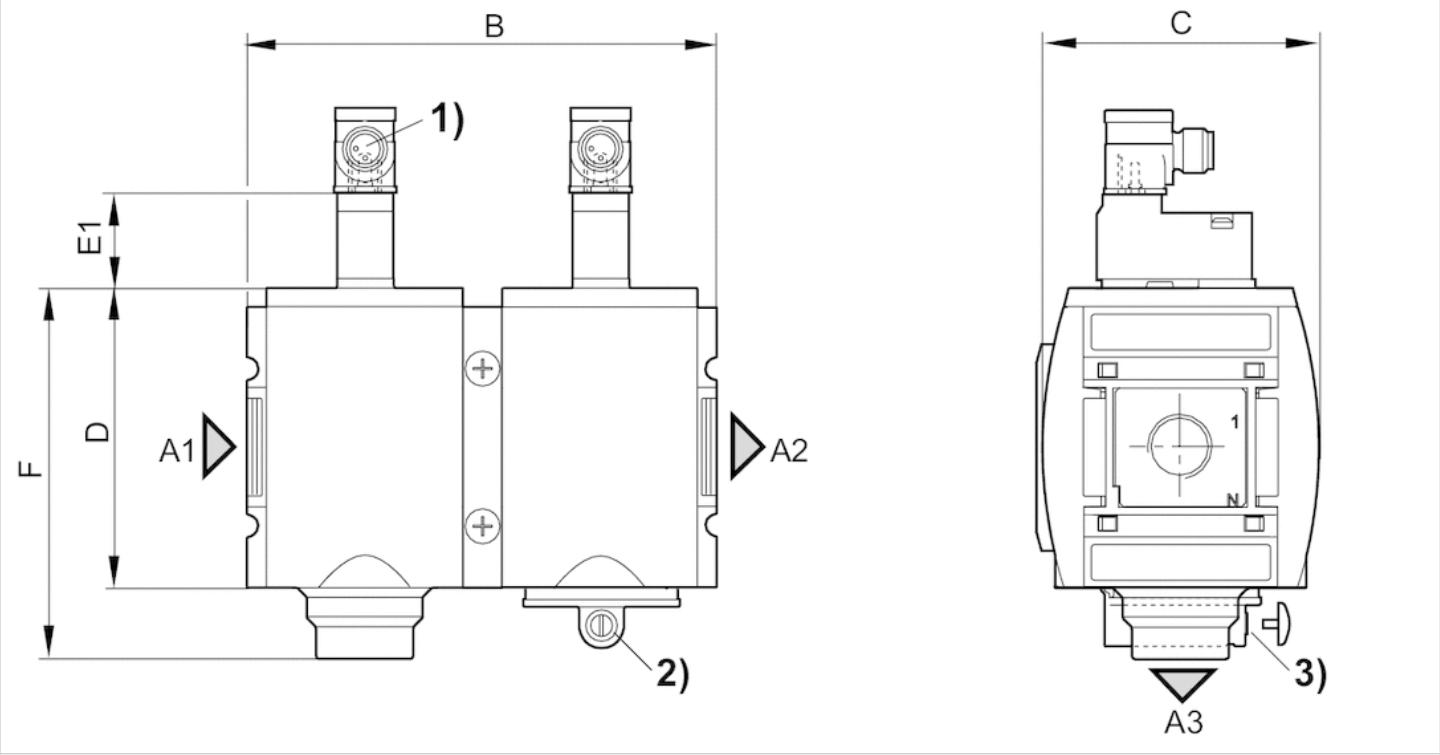
Technical information

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

Dimensions

Dimensions With pilot valve series DO16



A1 = inputA2 = outputA3 = ventilation port
1) Electr. connection: valve plug connector M12x1
2) Adjustment screw for filling time
3) Adjustment screw lock

Dimensions in mm

A1	A2	A3	B	C	D	E1	F
G 1/2	G 1/2	G 1/2	125.75	74	80	39	99

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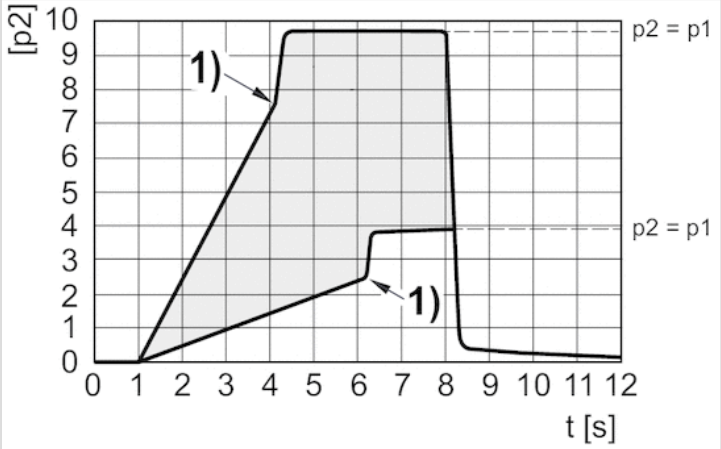
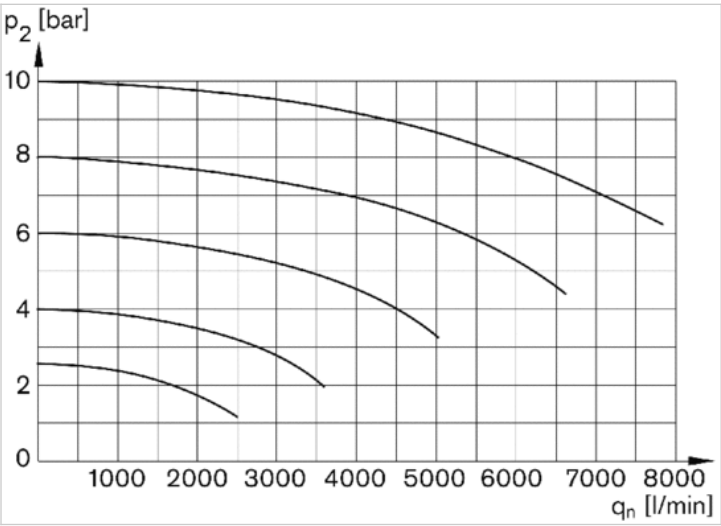
Diagrams

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

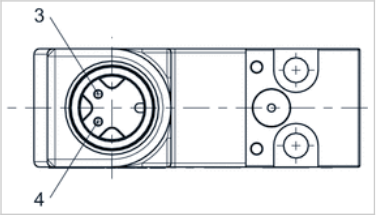
Flow rate characteristic



p2 = secondary pressureqn = nominal flow

Pin assignments

Pin assignment M12x1



3: +/-

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