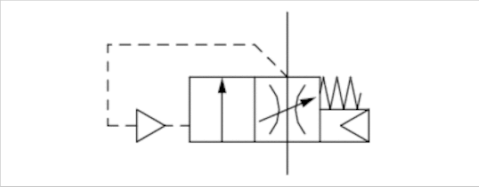
Filling valve, Series AS2-SSV

- adjustable filling time
- Compressed air connection G 1/4 G 3/8
- suitable for ATEX



Type	Poppet valve, Can be assembled into blocks
Sealing principle	Soft sealing
Working 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	40 µm
Weight	0,203 kg

Technical data

Part No.	Port	Flow	Fig.	
		Qn		
R412006272	G 1/4	2000 l/min	Fig. 1	1)
R412006275	G 1/4	2000 l/min	Fig. 1	2)
R412006273	G 3/8	2000 l/min	Fig. 2	1)

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

1) Suitable for use in Ex zones 1, 2, 21, 22.

2) With adjustment screw lock, Suitable for use in Ex zones 1, 2, 21, 22.

Technical information

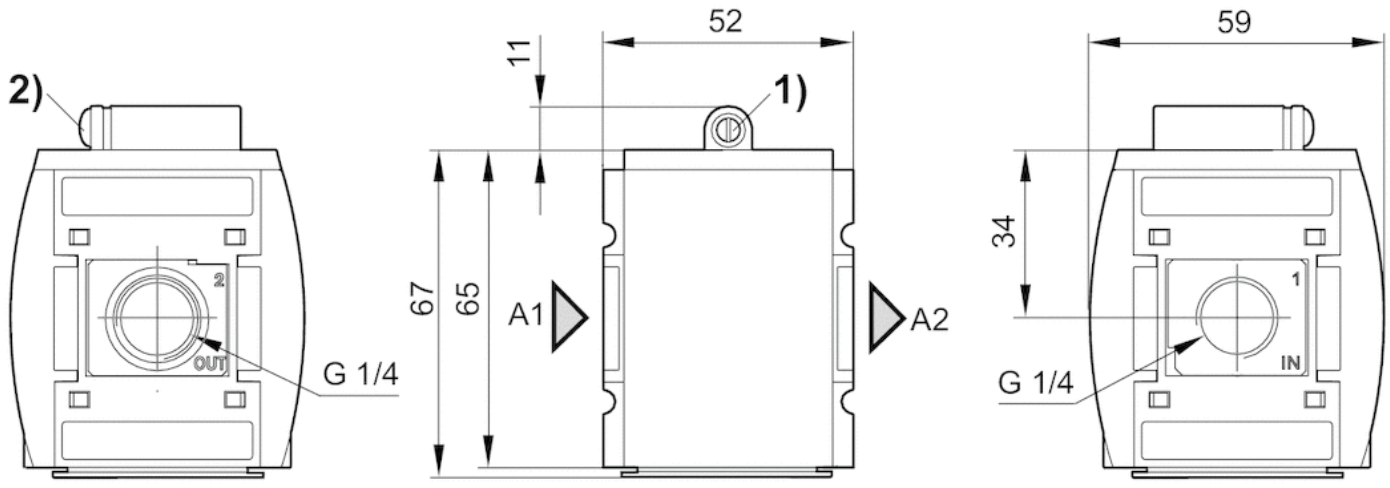
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.
The filling valve builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a recommissioning after a mains pressure failure or avoids emergency OFF switching. This allows dangerous abrupt cylinder motions to be avoided.
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.
Suitable for use in Ex zones 1, 2, 21, 22.

Technical information

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

Dimensions

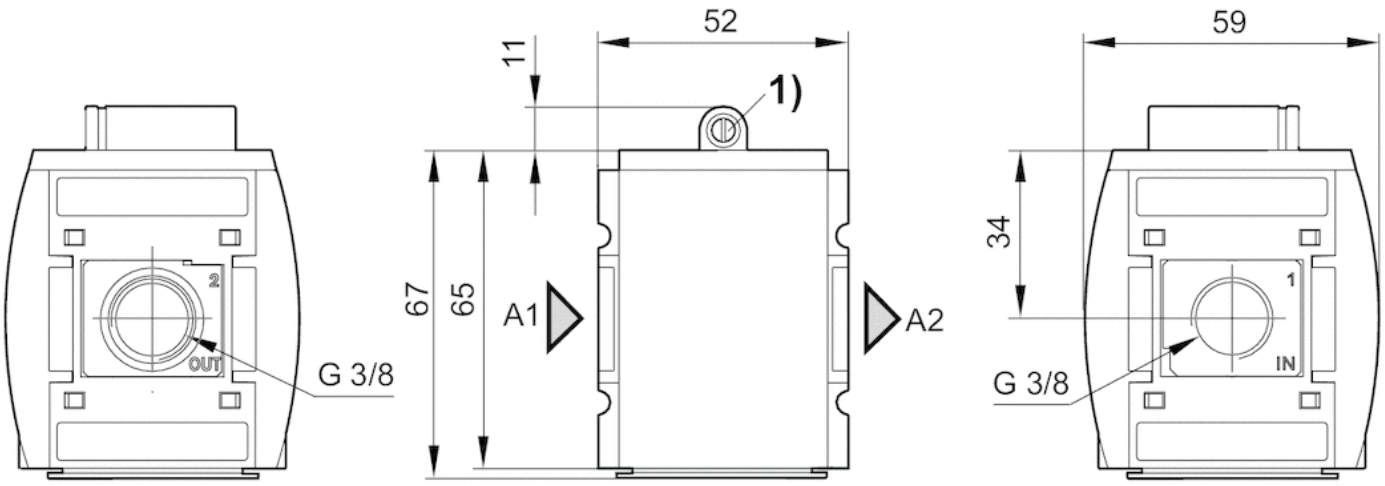
Dimensions in mm, Fig. 1



A1 = input
A2 = output

1) Adjustment screw for filling time
2) Adjustment screw lock

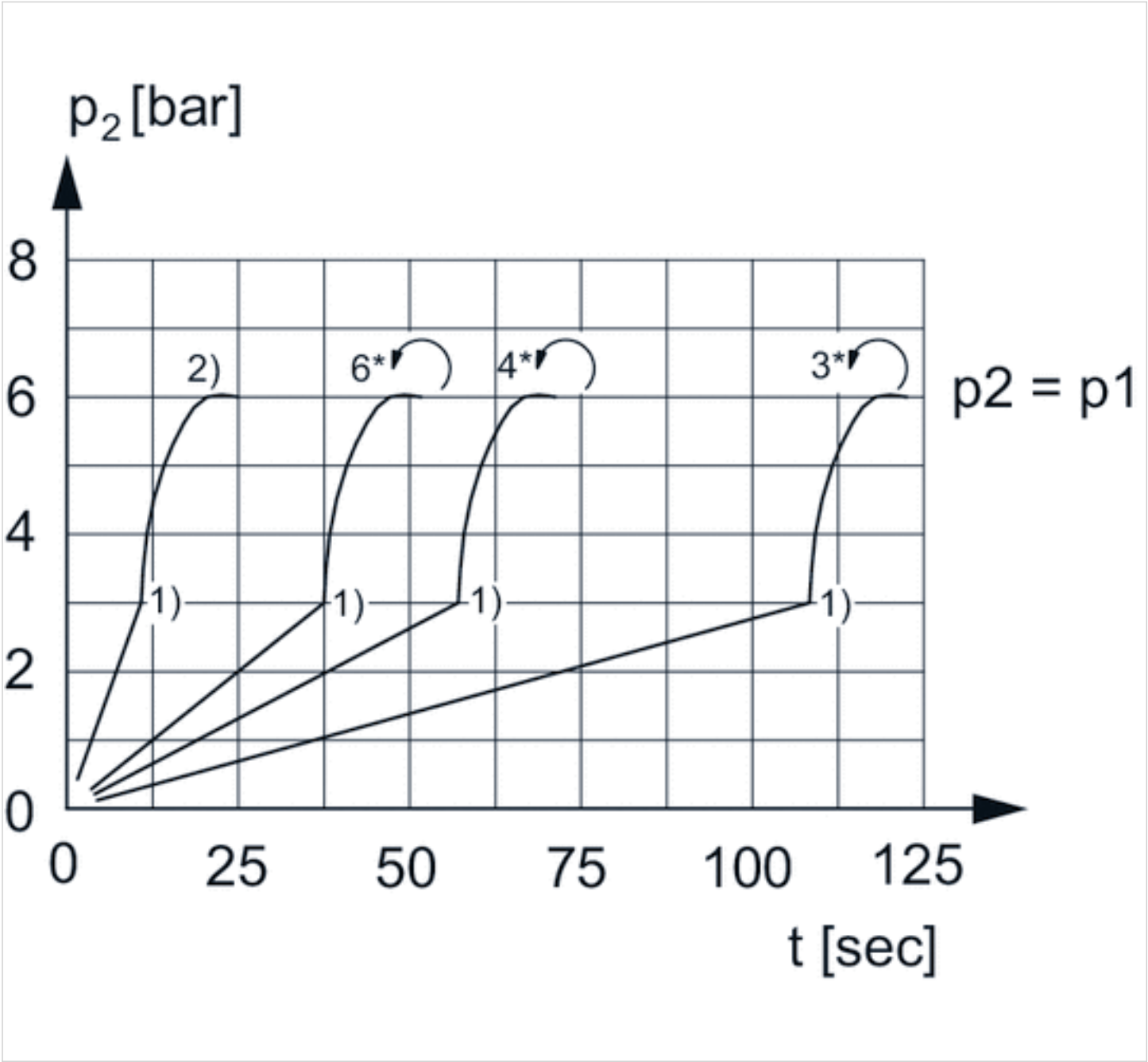
Dimensions in mm, Fig. 2



A1 = input
A2 = output
1) Adjustment screw for filling time

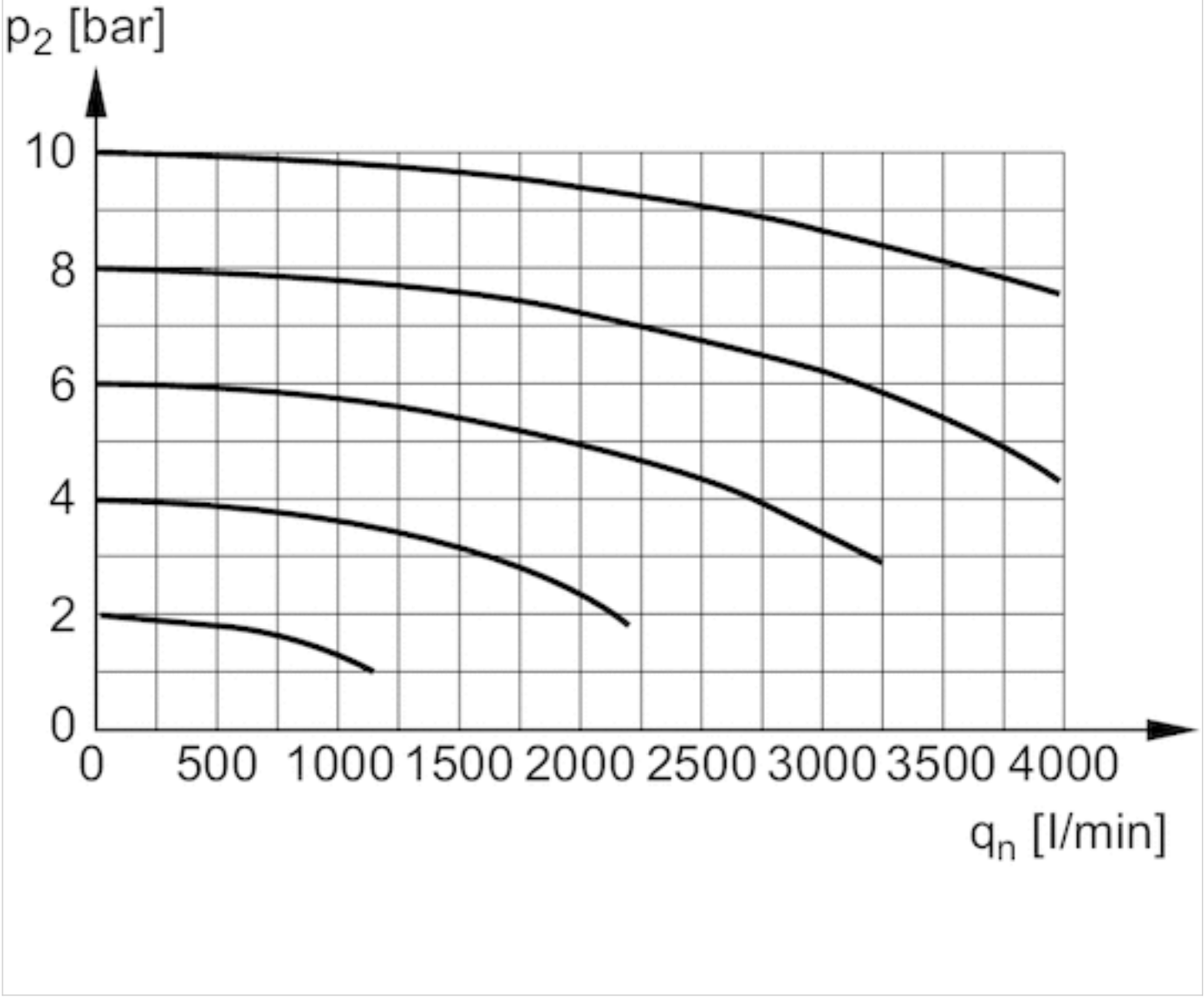
Diagrams

Secondary pressure while filling



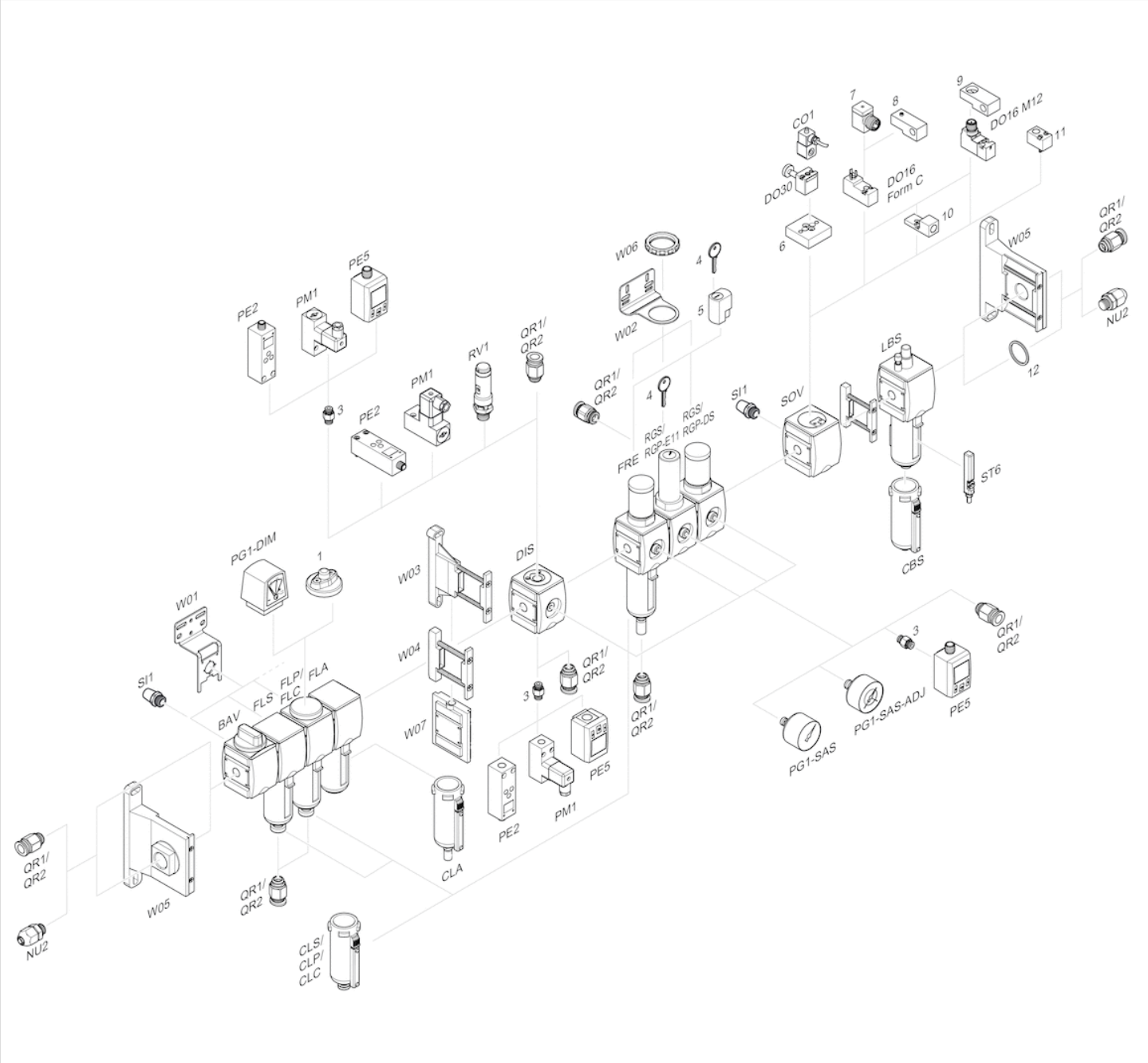
p1 = working pressure
p2 = secondary pressure
t = filling time, adjustable via adjustment screw (throttle)
1) Switching point: adjustable filling time, fixed change-over pressure ≈ 0.5 x p1 (50%)
2) Throttle fully opened
* Adjustment screw rotations

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

Accessories overview



1 = contamination display
3 = Double nipple
4 = Key for E11 locking
5 = mortise lock
6 = Transition plate DO30
7 = Adapter, Series CON-VP
8 = Mounting aid DO16, form C
9 = Mounting aid DO16, M12
10 = Adapter for external pilot air
11 = Adapter pneumatic operation
12 = Sealing ring

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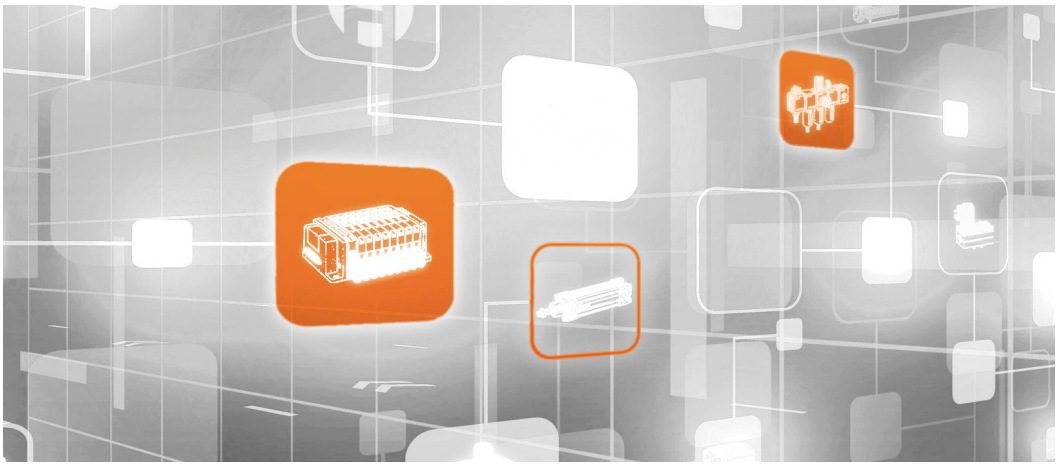

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