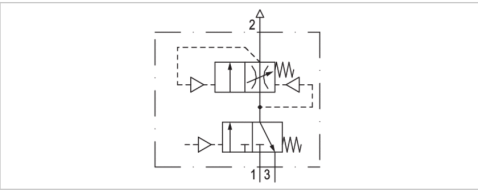


Filling unit, pneumatically operated, Series AS2-SSU

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



Type	Poppet valve, Can be assembled into blocks
Pilot	Internal
Sealing principle	Soft sealing
Certificates	suitable for ATEX
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	40 µm
Weight	0,424 kg
The delivered product varies from that in the illustration. See the drawing for an exact description.	

Technical data

Part No.	Port	Pilot connection	Exhaust	Flow	Flow	Flow	Fig.	
				Qn	Qn 1►2	Qn 2►3		
R412006281	G 3/8	G 1/8	G 1/4	2000 l/min	2000 l/min	380 l/min	Fig. 1	1)
R412006276	G 1/4	G 1/8	G 1/4	2000 l/min	2000 l/min	380 l/min	Fig. 2	1)
R412006289	G 1/4	G 1/4	G 1/4	2000 l/min	2000 l/min	380 l/min	Fig. 2	2)

- 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 .

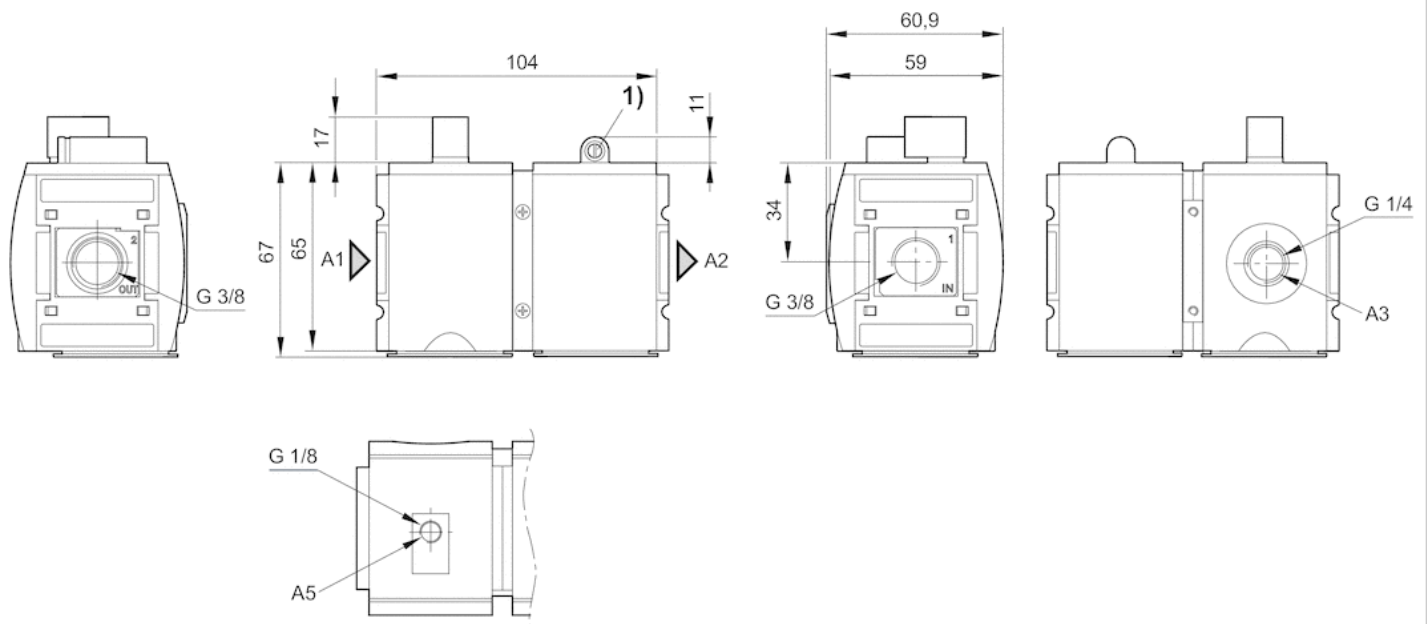
The filling valve builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a recommissioning after a mains pressure failure or avoids emergency OFF switching. This allows dangerous abrupt cylinder motions to be avoided.

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

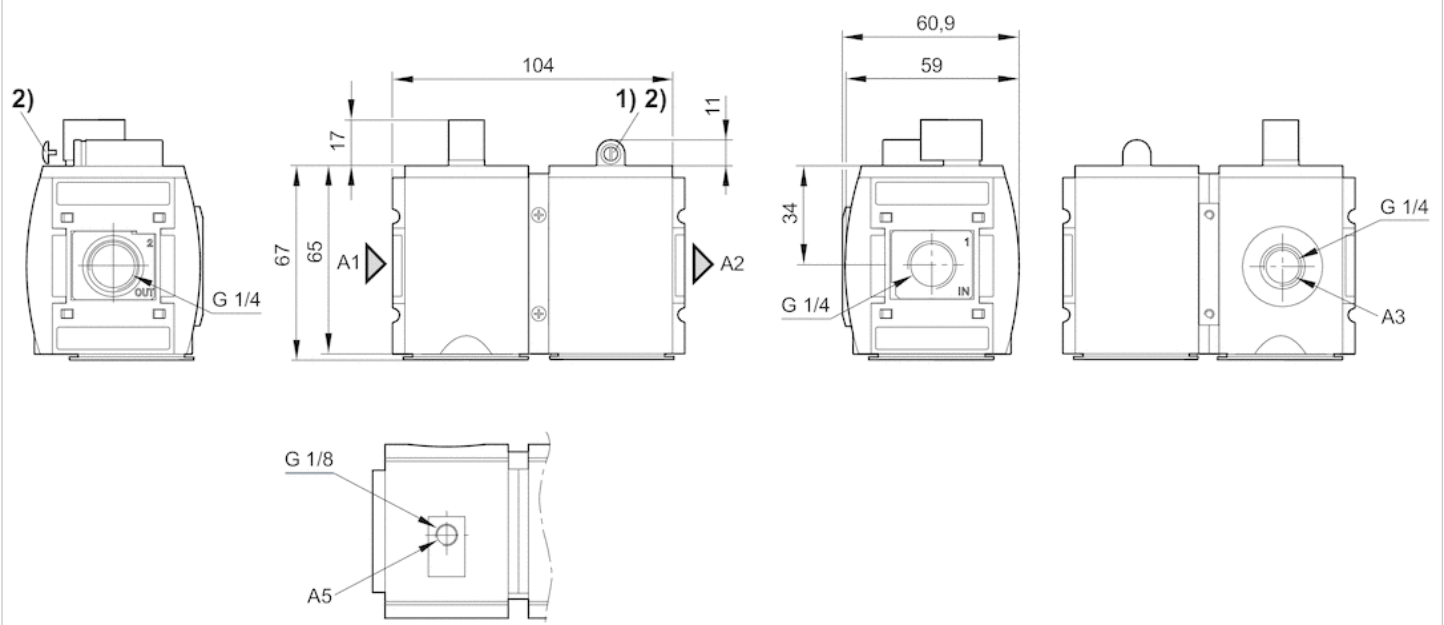
A2 = output

A3 = ventilation port

A5 = control pressure connection

1) Adjustment screw for filling time

Dimensions in mm, Fig. 2



A1 = input

A2 = output

A3 = ventilation port

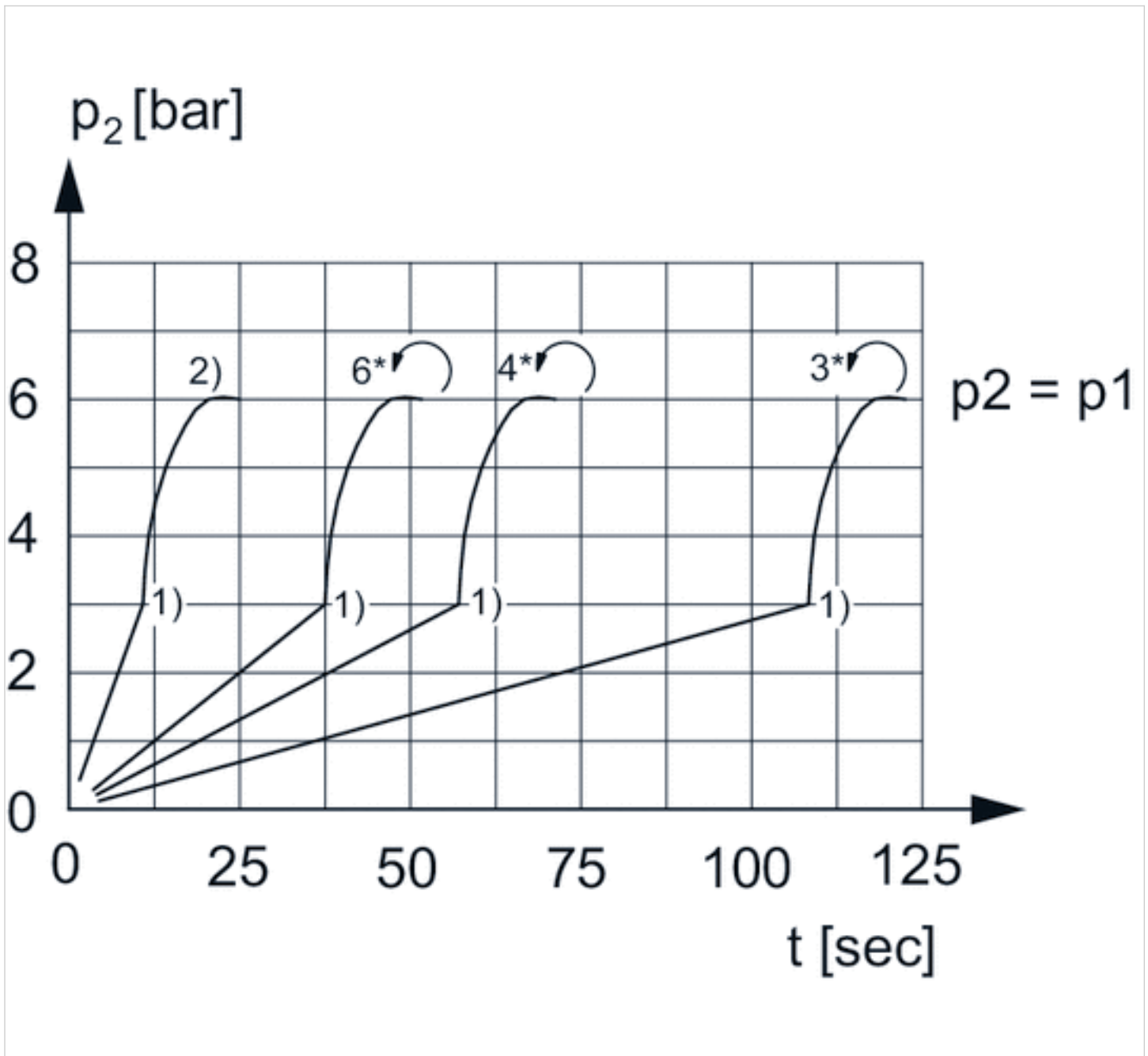
A5 = control pressure connection

1) Adjustment screw for filling time

2) Adjustment screw lock

Diagrams

Secondary pressure while filling



p_1 = working pressure

p_2 = secondary pressure

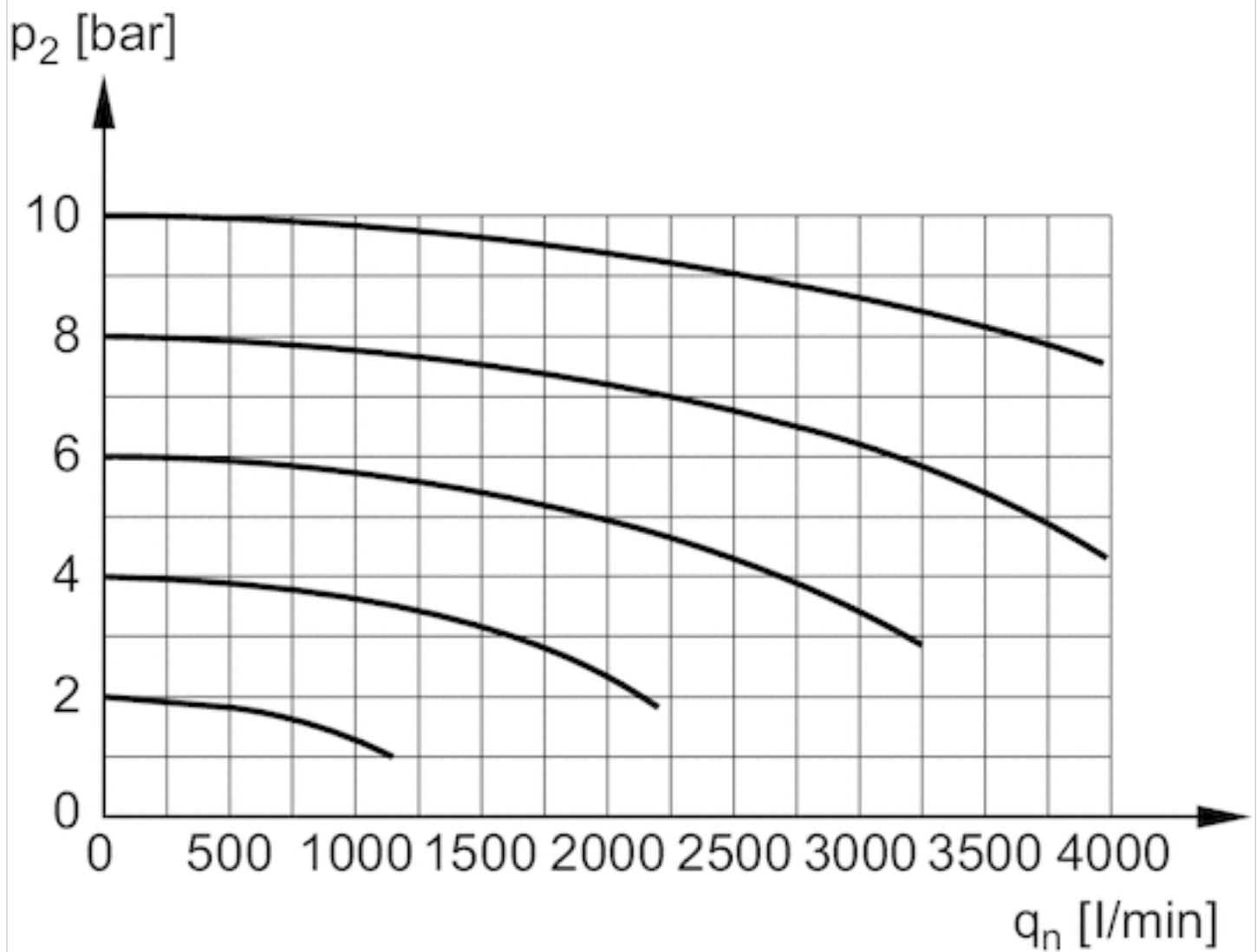
t = filling time, adjustable via adjustment screw (throttle)

1) Switching point: adjustable filling time, fixed change-over pressure $\approx 0.5 \times p_1$ (50%)

2) Throttle fully opened

* Adjustment screw rotations

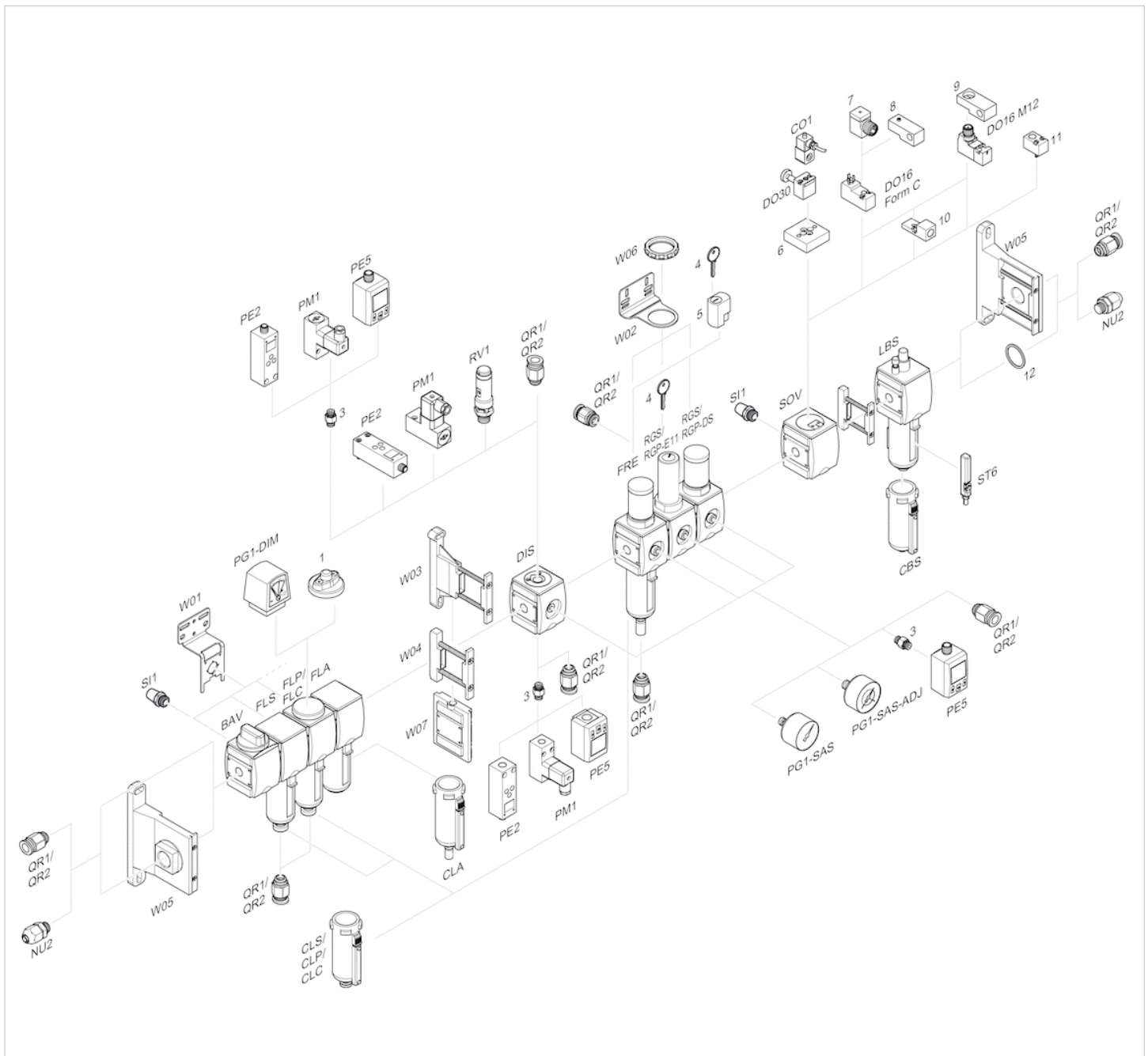
Flow rate characteristic



p_2 = secondary pressure

q_n = 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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