

Precision pressure regulator, Series AS2-RGP

- G 1/4 G 3/8
- Qn = 2200-2700 l/min
- Precision pressure regulator
- Activation Mechanical
- lockable
- for padlocks
- suitable for ATEX



Parts	Precision pressure regulator
Mounting orientation	Any
Certificates	suitable for ATEX
Working pressure min./max.	See table below
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Regulator type	Diaphragm-type pressure regulator Can be assembled into blocks
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Lock type	for padlocks
Pressure supply	single
Activation	Mechanical
Weight	See table below

Technical data

Part No.			Port	Flow	Working pressure min./max.	Adjustment range min./max.
				Qn		
R412006137			G 1/4	2200 l/min	0,1 ... 16 bar	0,1 ... 1 bar
R412006139			G 1/4	2200 l/min	0,1 ... 16 bar	0,1 ... 2 bar
R412006141			G 1/4	2200 l/min	0,2 ... 16 bar	0,2 ... 4 bar
R412006143			G 1/4	2200 l/min	0,5 ... 16 bar	0,5 ... 8 bar
R412006145			G 1/4	2200 l/min	0,5 ... 16 bar	0,5 ... 10 bar
R412006136		—	G 1/4	2200 l/min	0,1 ... 16 bar	0,1 ... 1 bar
R412006138		—	G 1/4	2200 l/min	0,1 ... 16 bar	0,1 ... 2 bar
R412006140		—	G 1/4	2200 l/min	0,2 ... 16 bar	0,2 ... 4 bar
R412006142		—	G 1/4	2200 l/min	0,5 ... 16 bar	0,5 ... 8 bar
R412006144		—	G 1/4	2200 l/min	0,5 ... 16 bar	0,5 ... 10 bar
R412006149			G 3/8	2700 l/min	0,1 ... 16 bar	0,1 ... 1 bar
R412006151			G 3/8	2700 l/min	0,1 ... 16 bar	0,1 ... 2 bar
R412006153			G 3/8	2700 l/min	0,2 ... 16 bar	0,2 ... 4 bar
R412006155			G 3/8	2700 l/min	0,5 ... 16 bar	0,5 ... 8 bar
R412006157			G 3/8	2700 l/min	0,5 ... 16 bar	0,5 ... 10 bar
R412006148		—	G 3/8	2700 l/min	0,1 ... 16 bar	0,1 ... 1 bar
R412006150		—	G 3/8	2700 l/min	0,1 ... 16 bar	0,1 ... 2 bar
R412006152		—	G 3/8	2700 l/min	0,2 ... 16 bar	0,2 ... 4 bar
R412006154		—	G 3/8	2700 l/min	0,5 ... 16 bar	0,5 ... 8 bar

Part No.			Port	Flow	Working pressure min./max.	Adjustment range min./max.
				Qn		
R412006156		—	G 3/8	2700 l/min	0,5 ... 16 bar	0,5 ... 10 bar

Part No.	Weight	Fig.	
R412006137	0,32 kg	Fig. 1	1)
R412006139	0,32 kg	Fig. 1	1)
R412006141	0,32 kg	Fig. 1	1)
R412006143	0,32 kg	Fig. 1	1)
R412006145	0,32 kg	Fig. 1	1)
R412006136	0,248 kg	Fig. 1	2)
R412006138	0,248 kg	Fig. 1	2)
R412006140	0,248 kg	Fig. 1	2)
R412006142	0,248 kg	Fig. 1	2)
R412006144	0,248 kg	Fig. 1	2)
R412006149	0,32 kg	Fig. 2	1)
R412006151	0,32 kg	Fig. 2	1)
R412006153	0,32 kg	Fig. 2	1)
R412006155	0,32 kg	Fig. 2	1)
R412006157	0,32 kg	Fig. 2	1)
R412006148	0,248 kg	Fig. 2	2)
R412006150	0,248 kg	Fig. 2	2)
R412006152	0,248 kg	Fig. 2	2)
R412006154	0,248 kg	Fig. 2	2)
R412006156	0,248 kg	Fig. 2	2)

Nominal flow Qn with secondary pressure p2 = 6 bar at $\Delta p = 1$ bar

- 1) Pressure gauge enclosed separately, Suitable for use in Ex zones 1, 2, 21, 22.
 2) Order pressure gauge separately, 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 rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).

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

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.

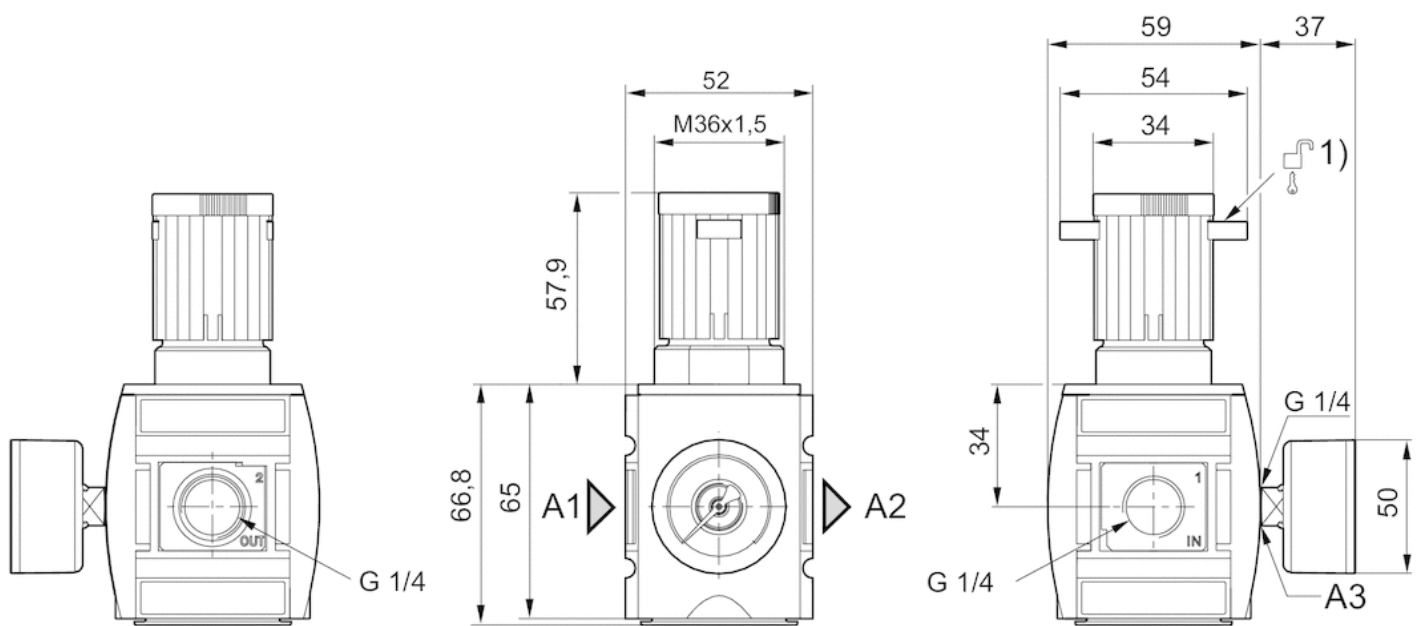
Recommended pre-filter: 5 µm

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



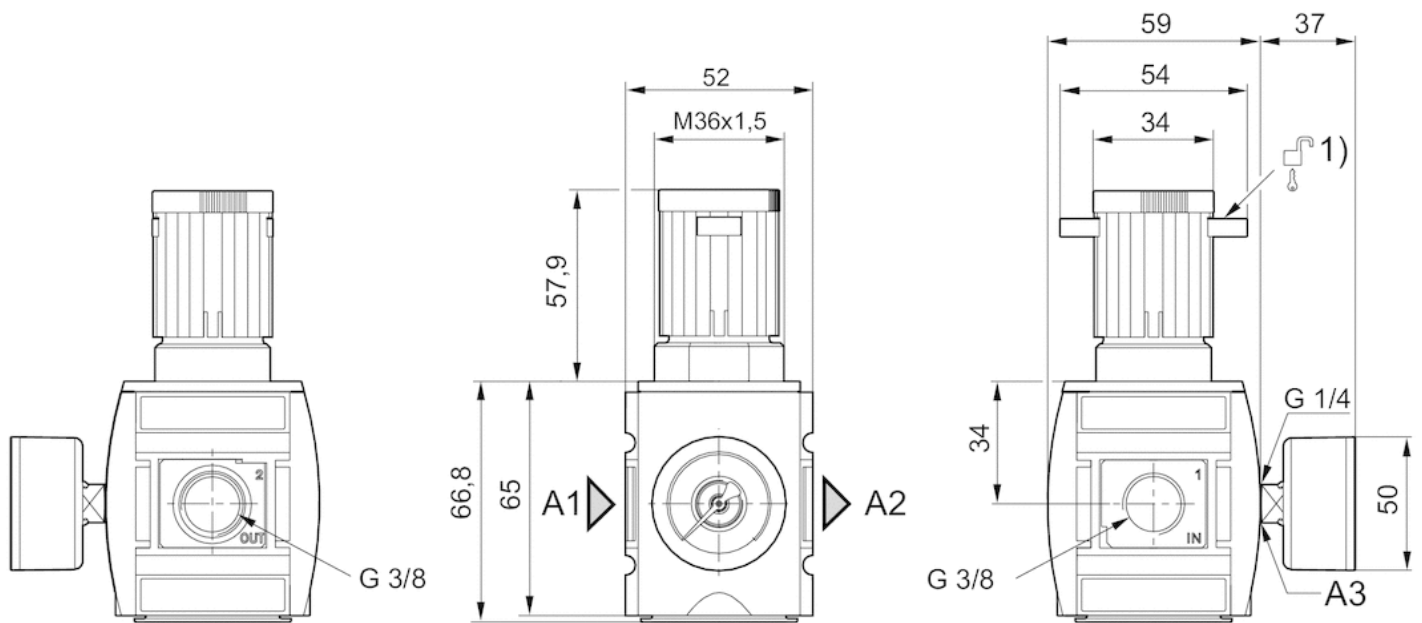
A1 = input

A2 = output

A3 = pressure gauge connection

1) Mounting option for padlocks, max. shackle Ø 8

Dimensions in mm, Fig. 2



A1 = input

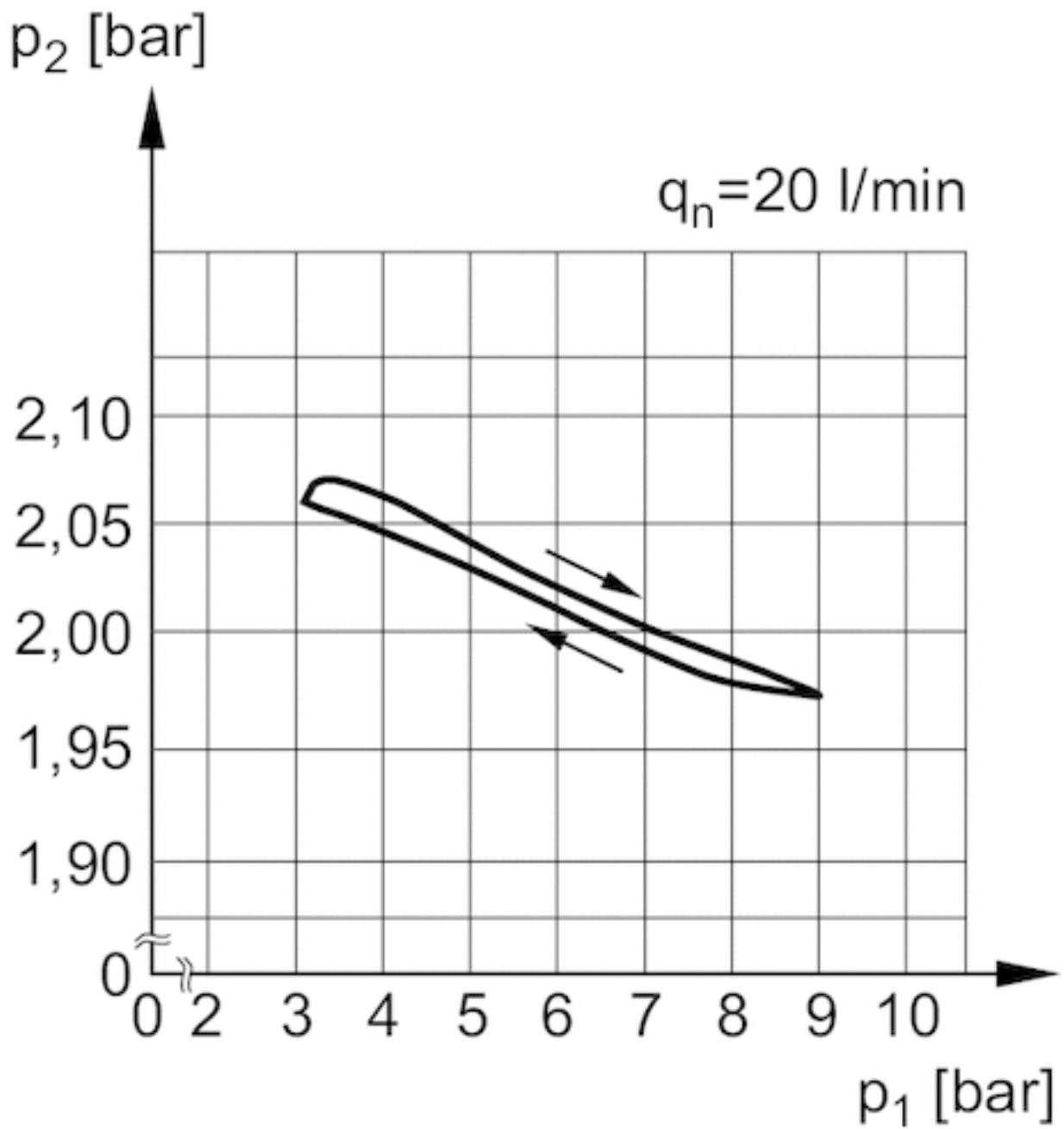
A2 = output

A3 = pressure gauge connection

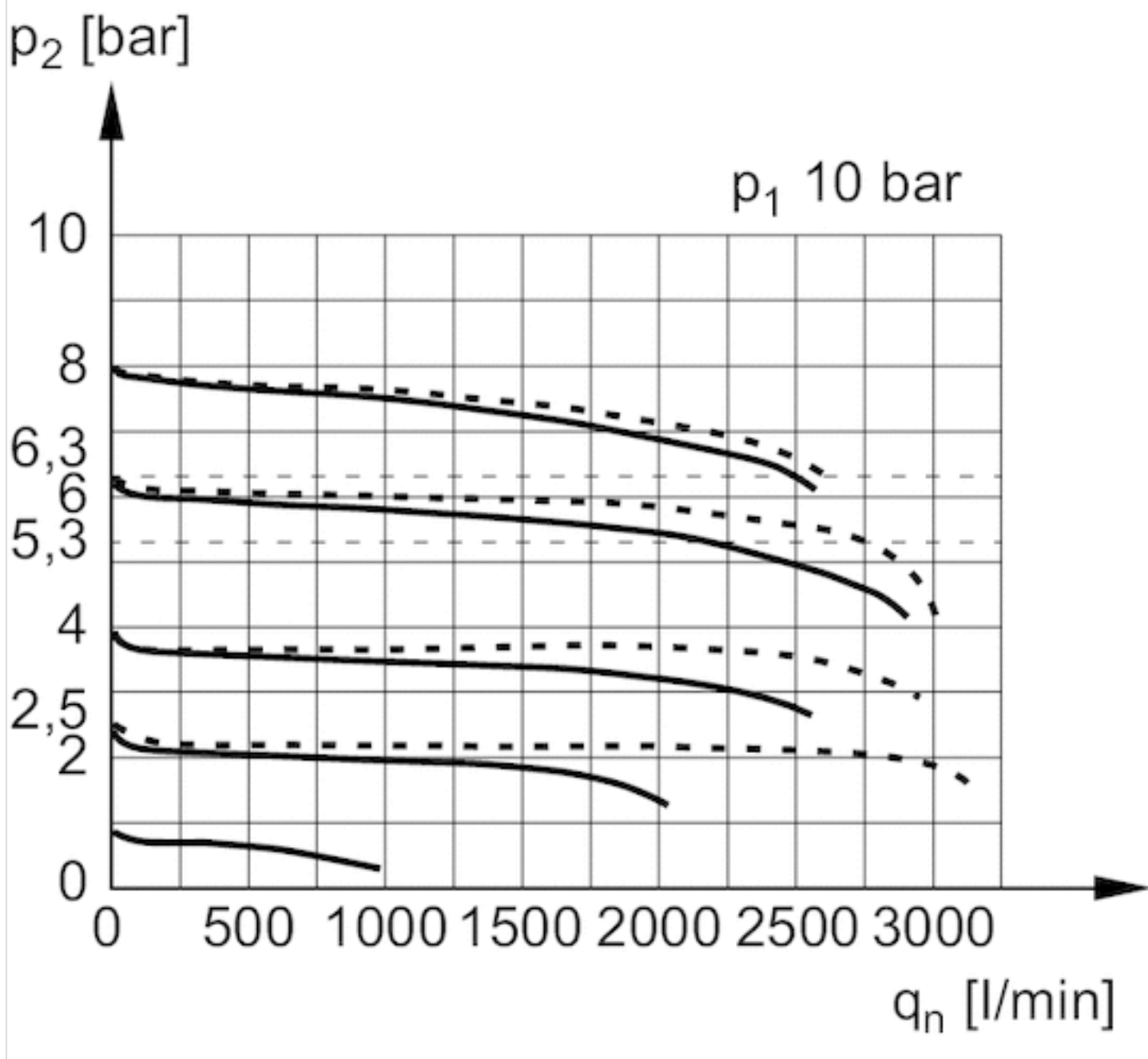
1) Mounting option for padlocks, max. shackle Ø 8

Diagrams

Pressure characteristics curve

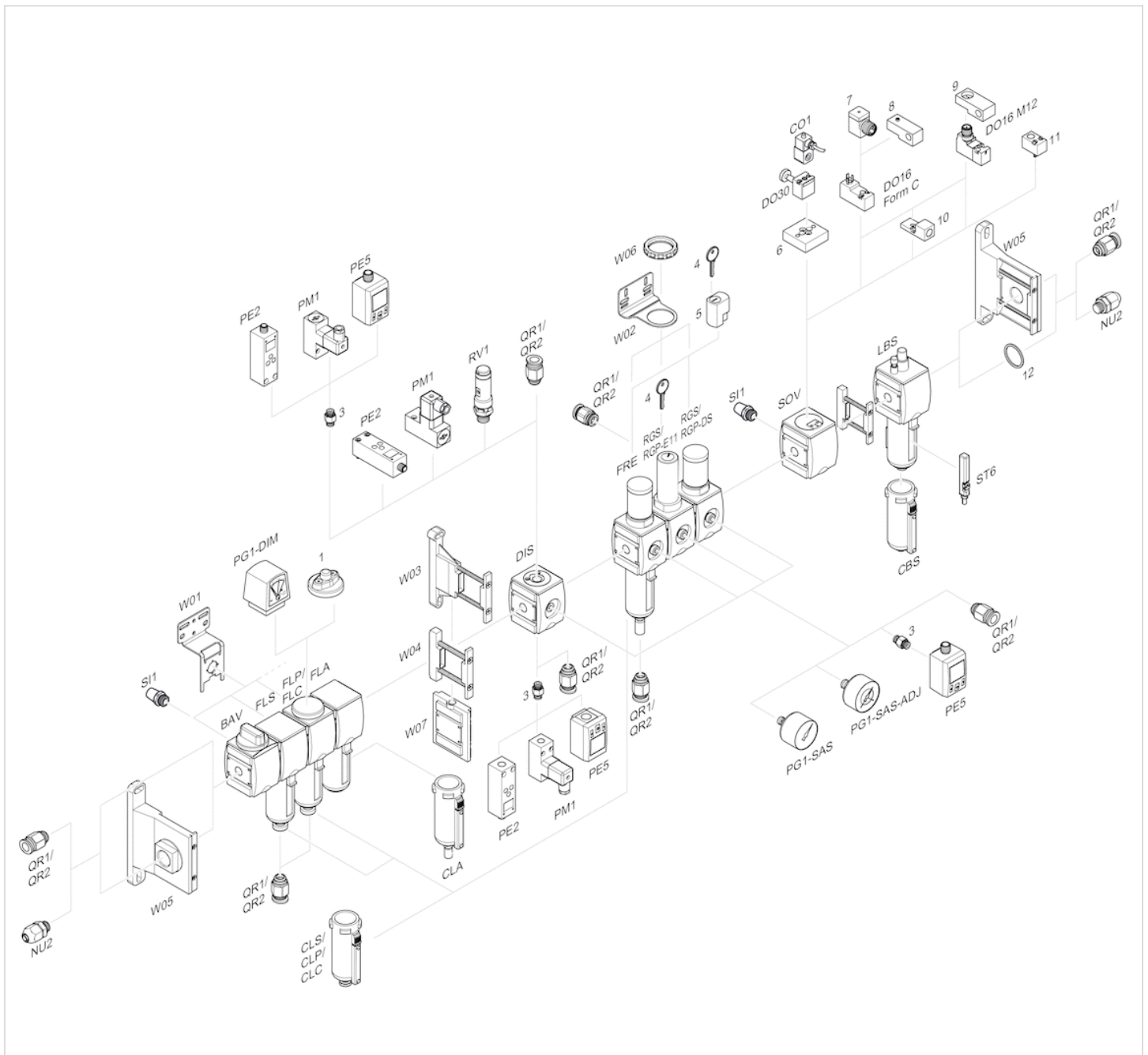


p_1 = working pressure
 p_2 = secondary pressure
 q = flow rate

Flow rate characteristic (p₂: 0,5 - 8 bar)

p_1 = Working pressure
 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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