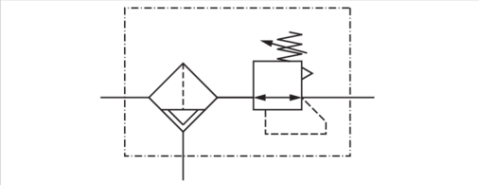
Filter pressure regulator, Series AS3-FRE-...-E11

- G 1/2
- filter porosity 40 µm
- lockable
- with E11 locking



Type	1-part, Can be assembled into blocks
Parts	Filter pressure regulator
Mounting orientation	vertical
Working pressure min./max.	1,5 ... 16 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Nominal flow Qn	5100 l/min
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0,5 ... 10 bar
Pressure supply	single
Filter reservoir volume	49 cm³
Filter element	exchangeable
Condensate drain	fully automatic, closed without pressure
Weight	0,635 kg

Technical data

Part No.	Port	filter porosity	Flow	Condensate drain
			Qn	
R412007204	G 1/2	40 µm	5100 l/min	fully automatic, closed without pressure

Order pressure gauge separately, Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The E11 locking is delivered without a key (see accessories for keys).
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
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.
Also suitable for separation of fluid oil or water due to the design.

Max. achievable compressed air class acc. to ISO 8573-1:2010 7 : 7 : -

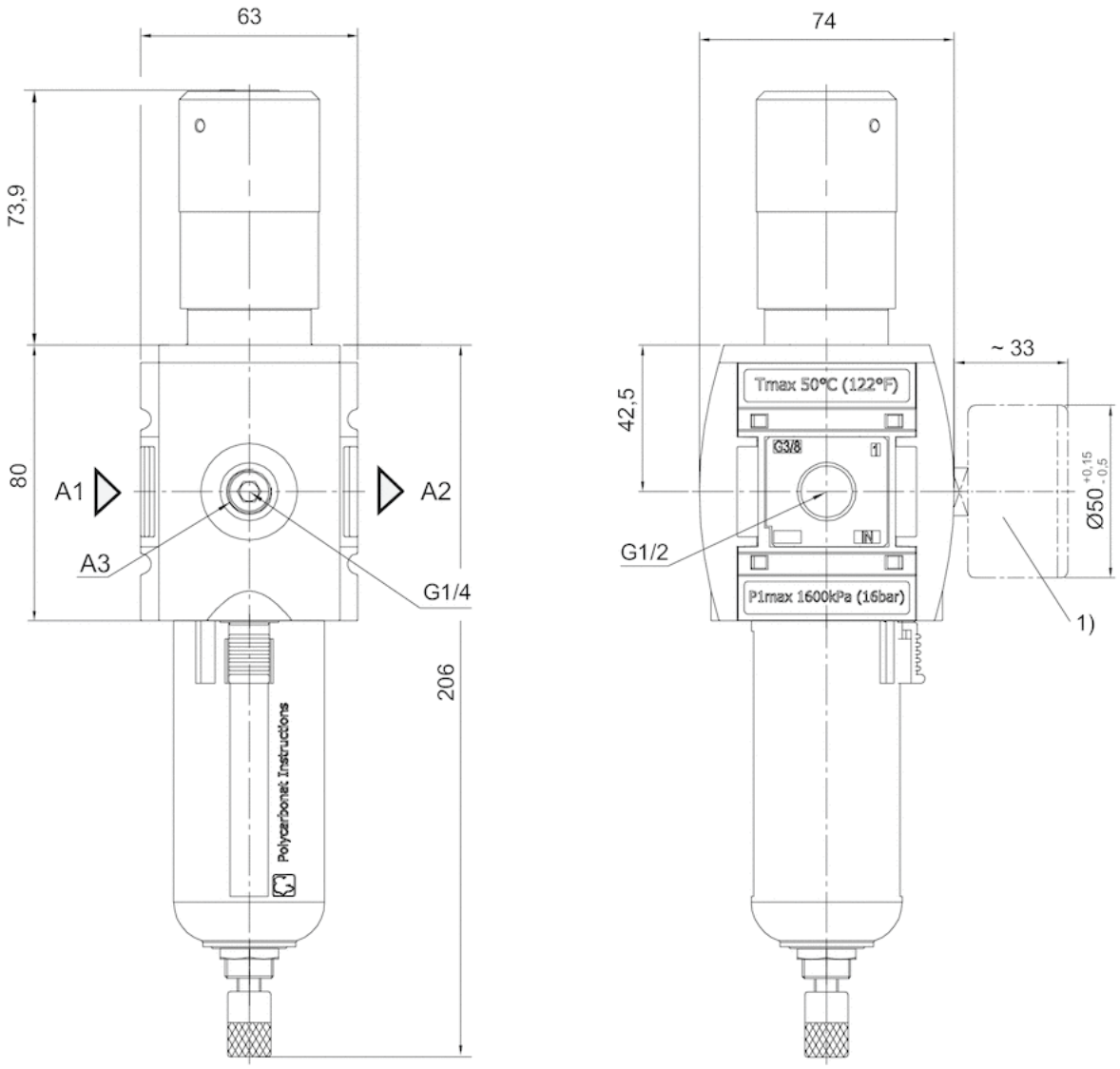
Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene

Material	
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate
Protective guard	Polyamide
Filter insert	Polyethylene

Dimensions

Dimensions

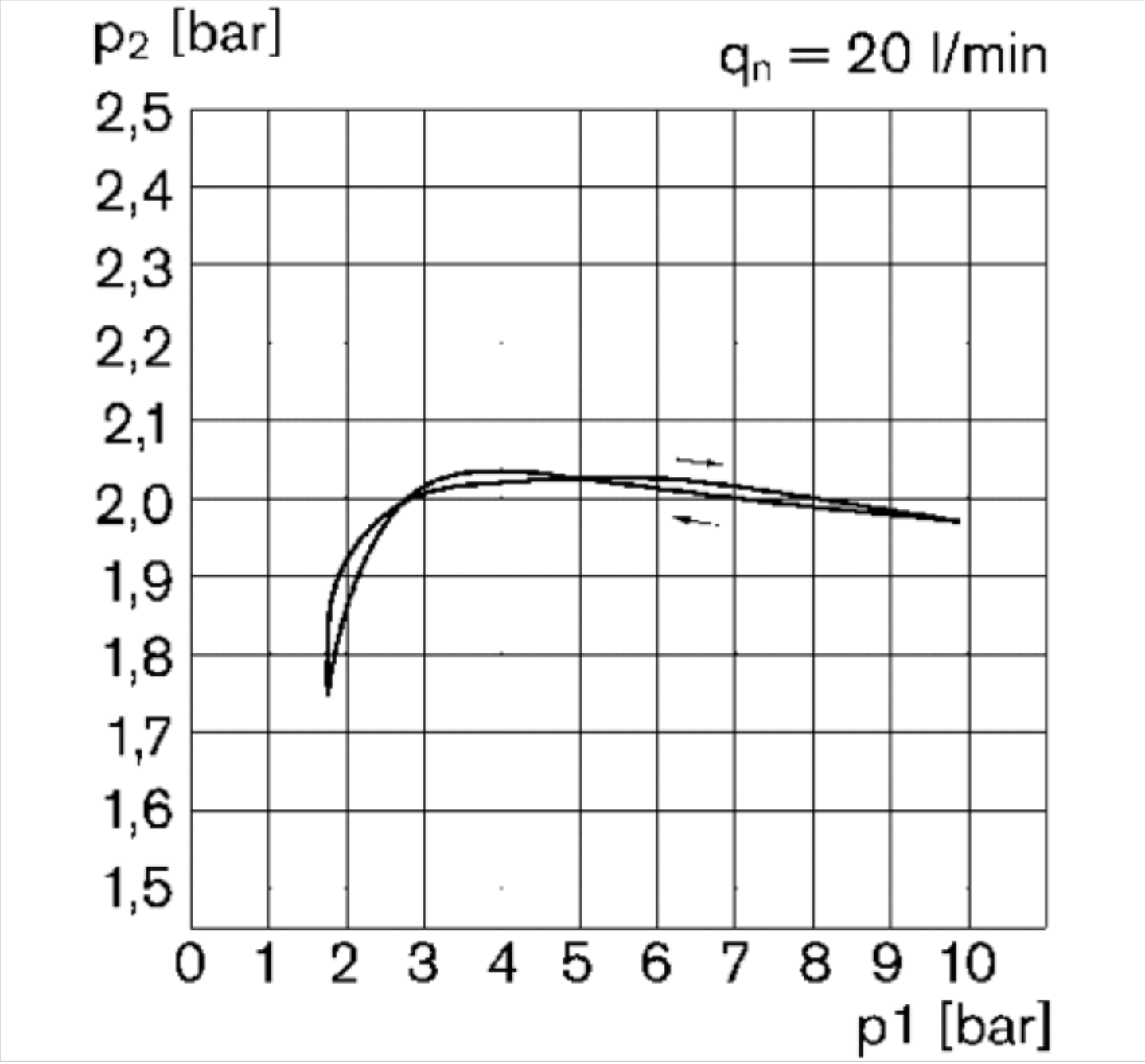


A1 = input
A2 = output
A3 = pressure gauge connection

1) Order pressure gauge separately

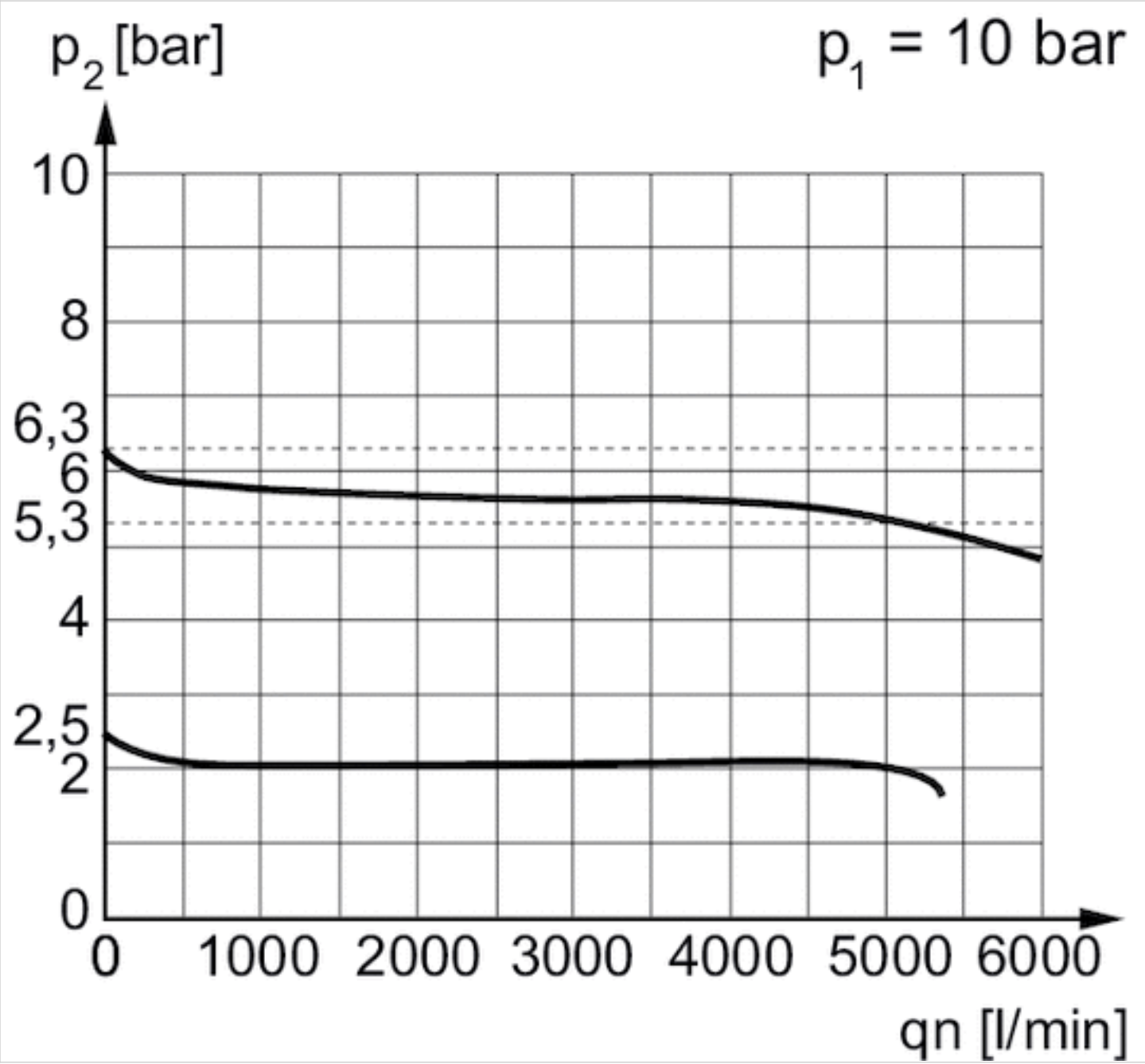
Diagrams

Pressure characteristics curve



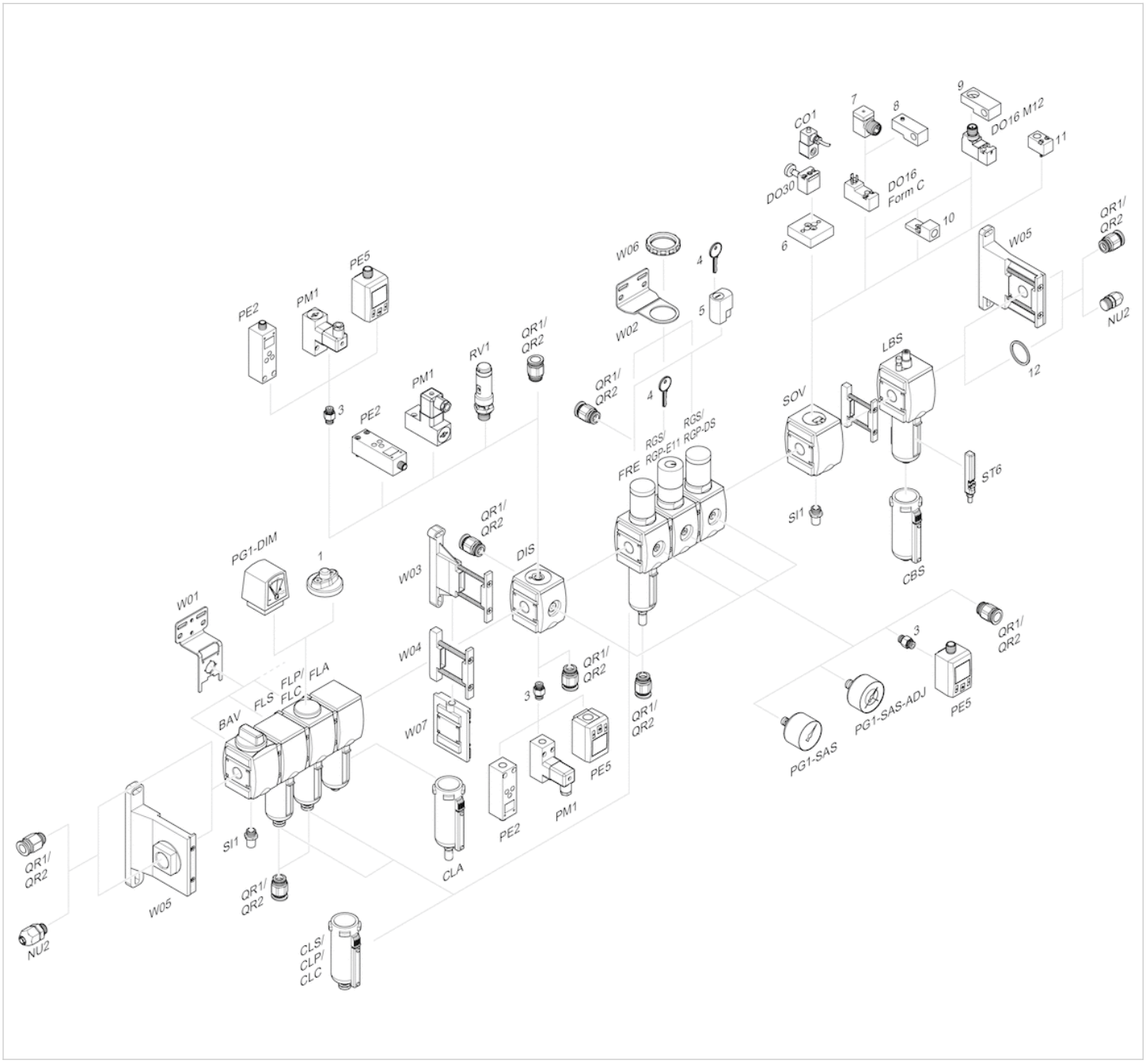
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

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



p1 = Working pressure
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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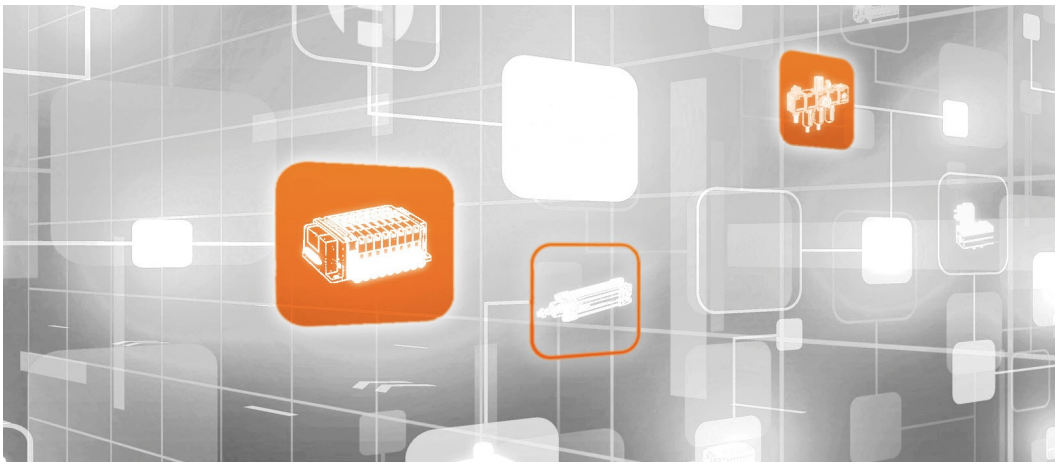

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