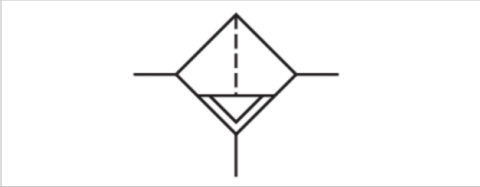
Microfilter, Series AS2-FLC

- G 1/4 G 3/8
- filter porosity 0,01 µm
- suitable for ATEX



Type	Microfilter, Can be assembled into blocks
Parts	Microfilter
Mounting orientation	vertical
Certificates	suitable for ATEX
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
Filter reservoir volume	12 cm³
Filter element	exchangeable
filter porosity	0,01 µm
Condensate drain	See table below
Weight	See table below

Technical data

Part No.	Port	Flow Qn	Condensate drain
R412006036	G 1/4	350 l/min	semi-automatic, open without pressure
R412006037	G 1/4	350 l/min	fully automatic, open without pressure
R412006038	G 1/4	350 l/min	fully automatic, closed without pressure
R412006042	G 1/4	350 l/min	semi-automatic, open without pressure
R412006043	G 1/4	350 l/min	fully automatic, open without pressure
R412006044	G 1/4	350 l/min	fully automatic, closed without pressure
R412006045	G 3/8	350 l/min	semi-automatic, open without pressure
R412006046	G 3/8	350 l/min	fully automatic, open without pressure
R412006047	G 3/8	350 l/min	fully automatic, closed without pressure
R412006051	G 3/8	350 l/min	semi-automatic, open without pressure
R412006052	G 3/8	350 l/min	fully automatic, open without pressure
R412006053	G 3/8	350 l/min	fully automatic, closed without pressure

Part No.	Version	Weight	Fig.
R412006036	reservoir, polycarbonate, with PA protective guard	0,22 kg	Fig. 1
R412006037	reservoir, polycarbonate, with PA protective guard	0,263 kg	Fig. 2
R412006038	reservoir, polycarbonate, with PA protective guard	0,263 kg	Fig. 2
R412006042	reservoir, metal, with inspection glass	0,482 kg	Fig. 1
R412006043	reservoir, metal, with inspection glass	0,565 kg	Fig. 2
R412006044	reservoir, metal, with inspection glass	0,56 kg	Fig. 2
R412006045	reservoir, polycarbonate, with PA protective guard	0,22 kg	Fig. 3

Part No.	Version	Weight	Fig.
R412006046	reservoir, polycarbonate, with PA protective guard	0,263 kg	Fig. 4
R412006047	reservoir, polycarbonate, with PA protective guard	0,263 kg	Fig. 4
R412006051	reservoir, metal, with inspection glass	0,471 kg	Fig. 3
R412006052	reservoir, metal, with inspection glass	0,545 kg	Fig. 4
R412006053	reservoir, metal, with inspection glass	0,55 kg	Fig. 4

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0.1 bar

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 .
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
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-filtering 0,3 µm

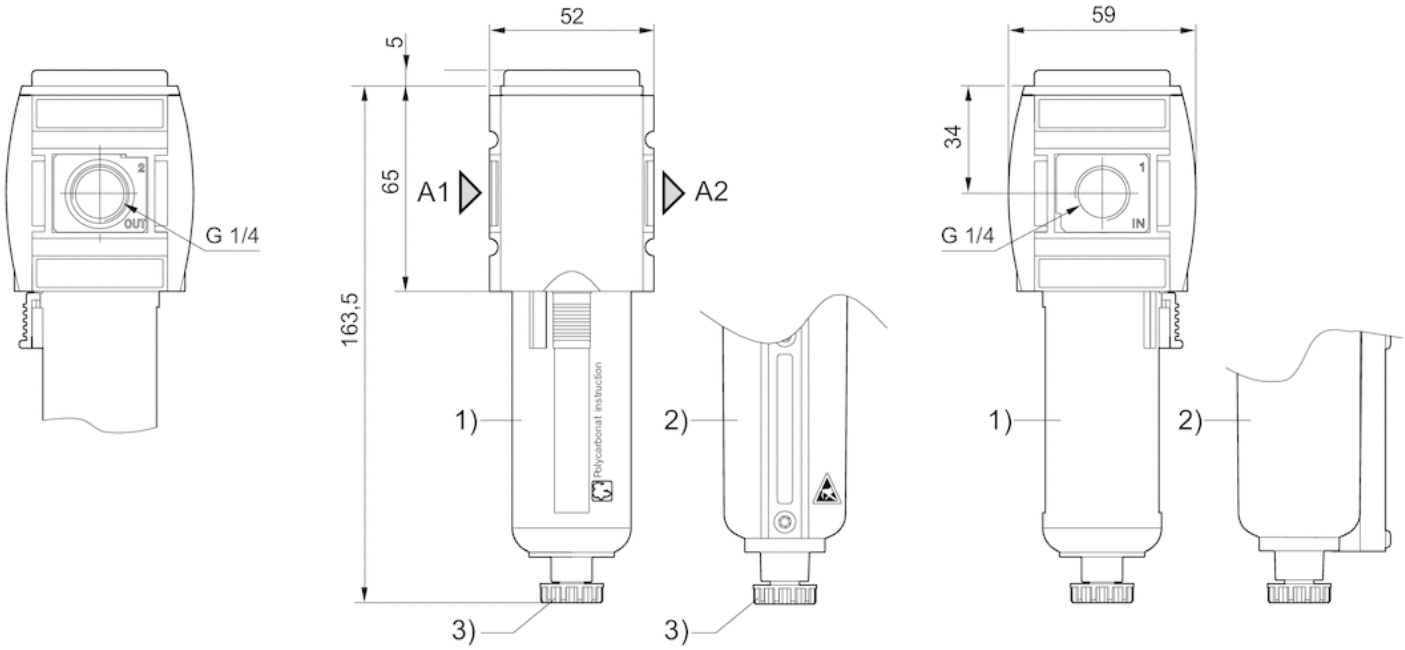
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate Die cast zinc
Protective guard	Polyamide
Filter insert	Borosilicate glass fiber

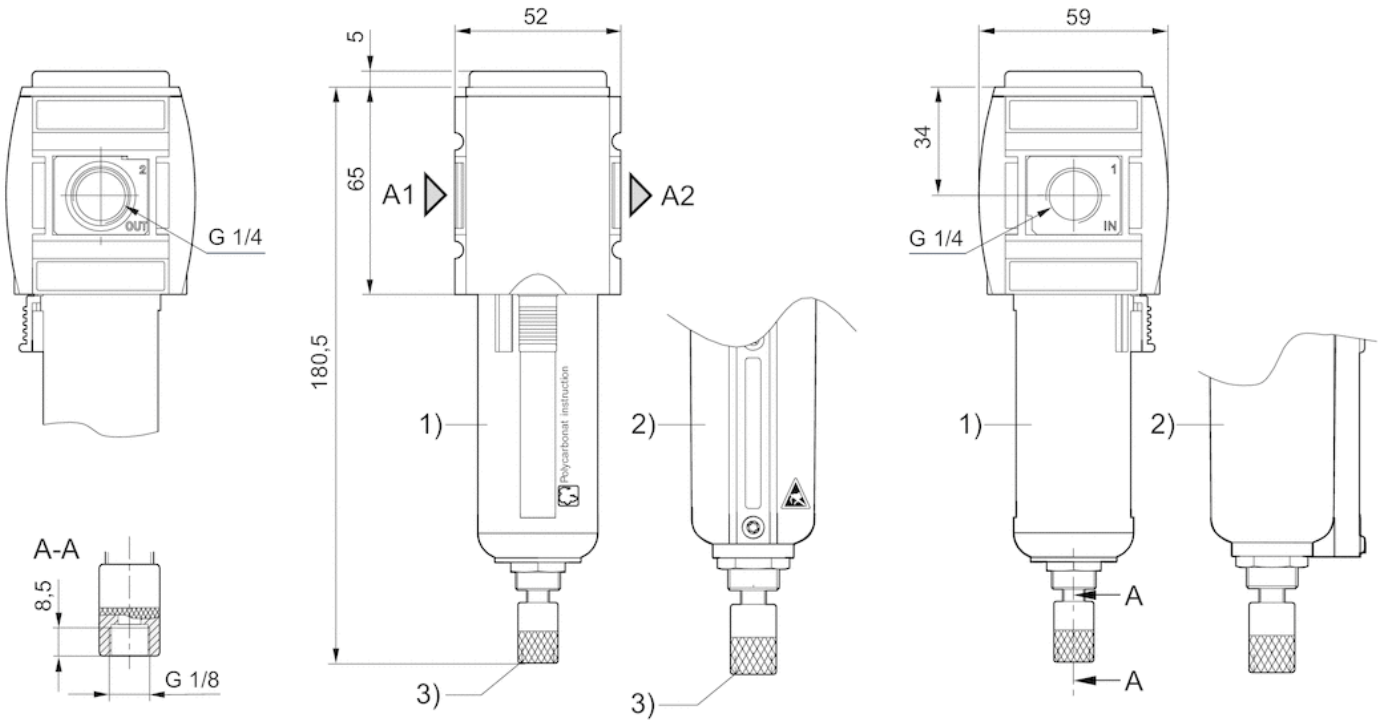
Dimensions

Dimensions in mm, Fig. 1



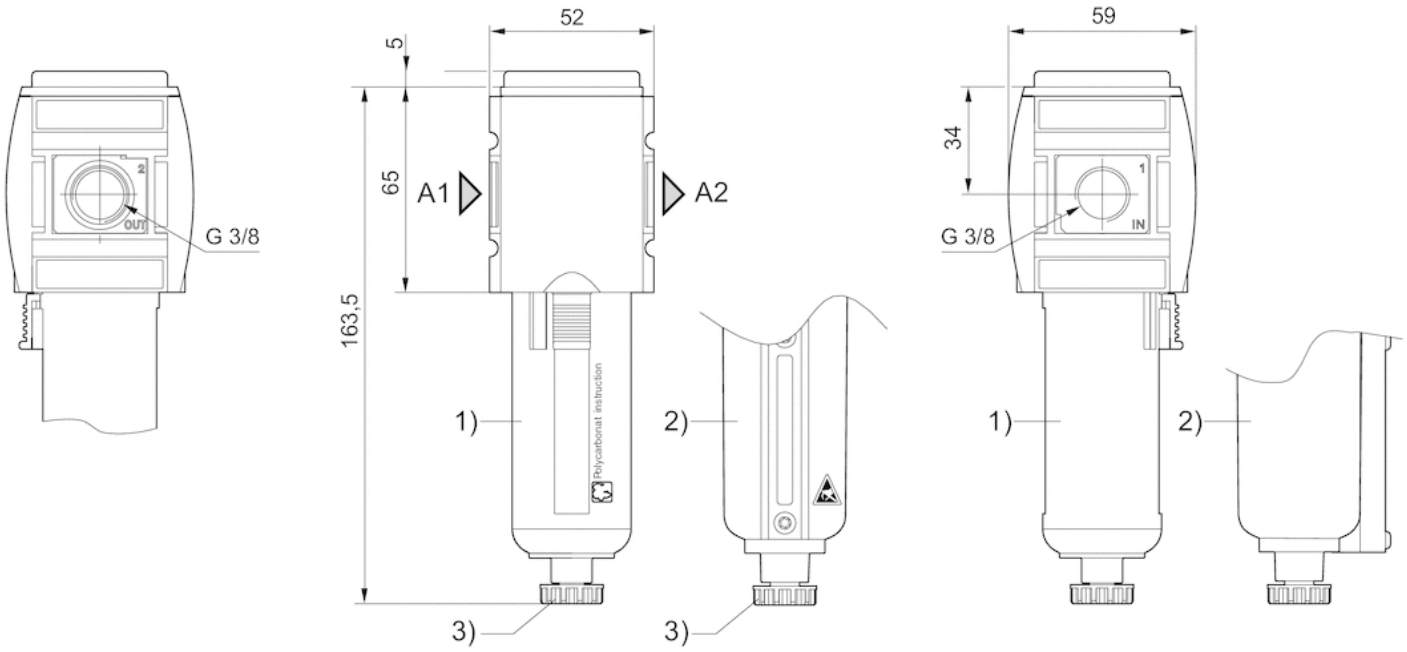
A1 = input
A2 = output
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Semi-automatic condensate drain

Dimensions in mm, Fig. 2



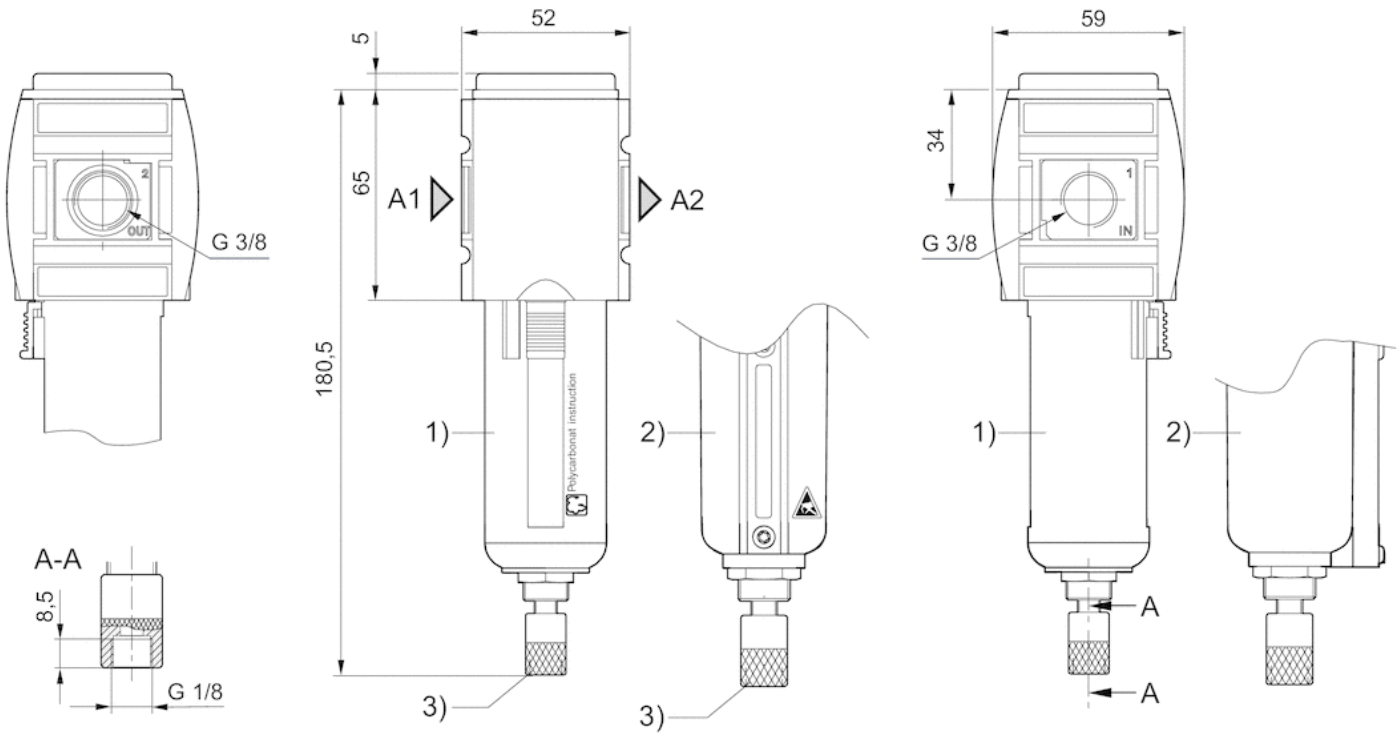
A1 = input
A2 = output
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass
3) Fully automatic condensate drain

Dimensions in mm, Fig. 3



A1 = input
A2 = output
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Semi-automatic condensate drain

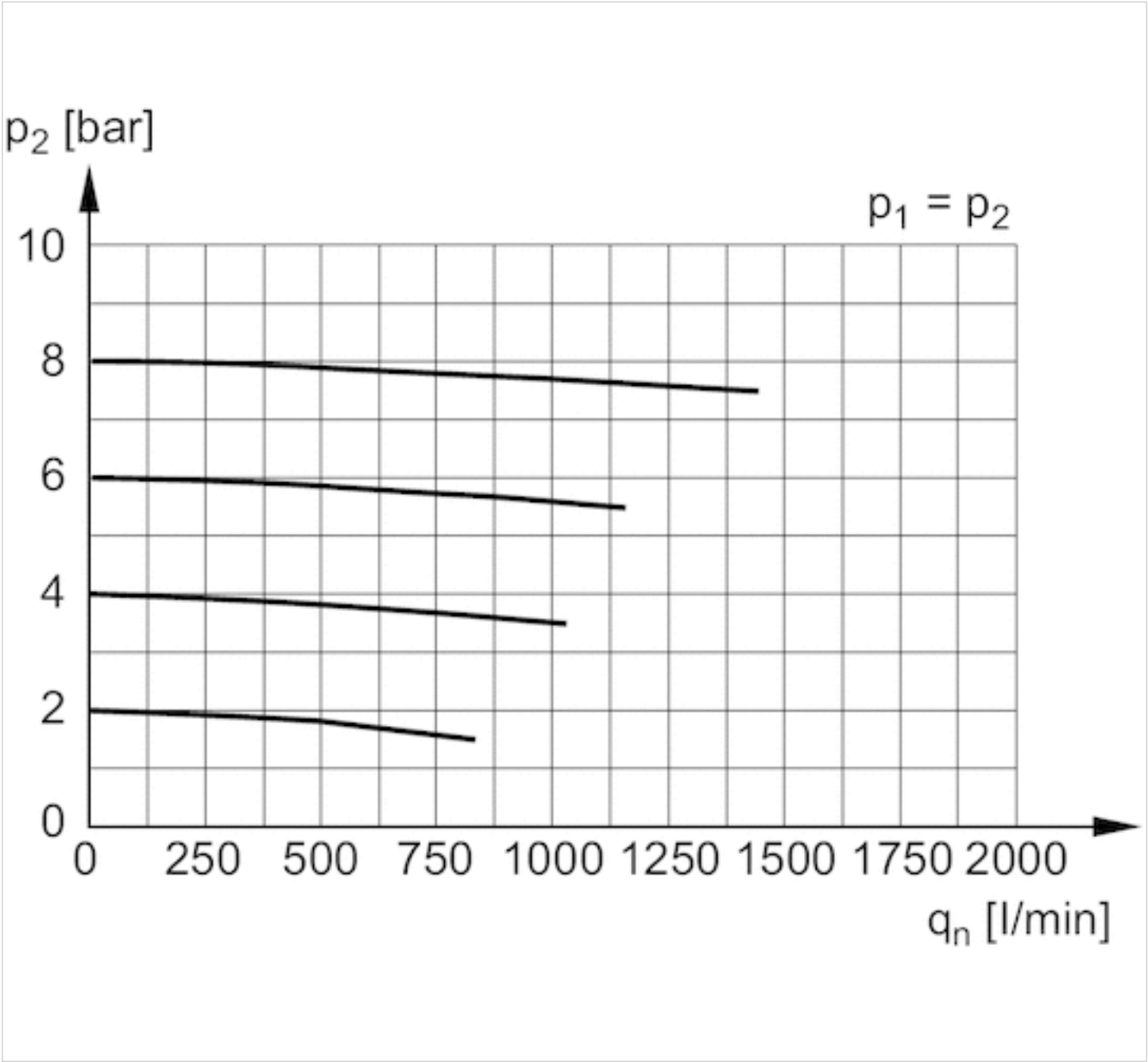
Dimensions in mm, Fig. 4



A1 = input
A2 = output
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass
3) Fully automatic condensate drain

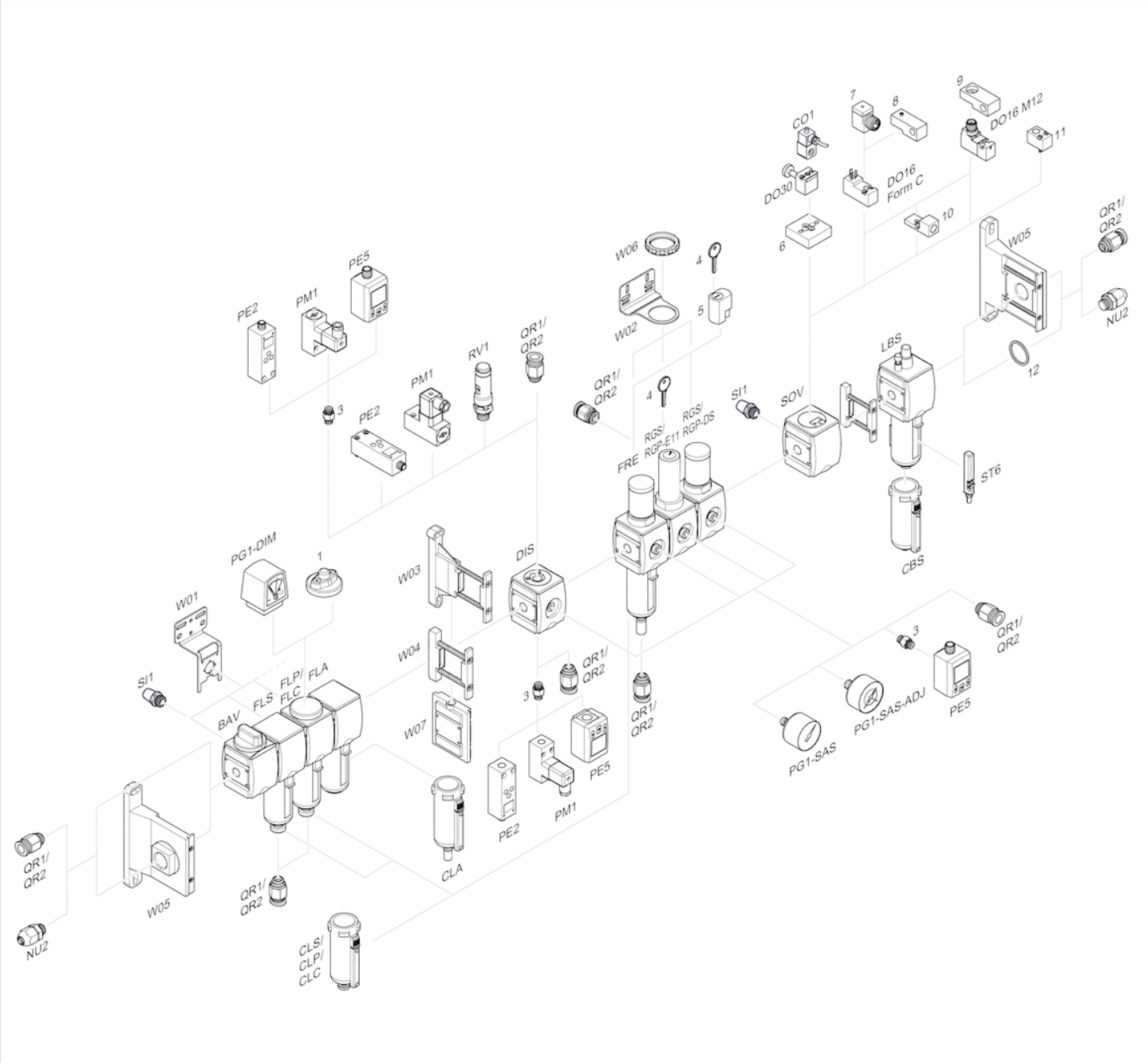
Diagrams

Flow rate characteristic



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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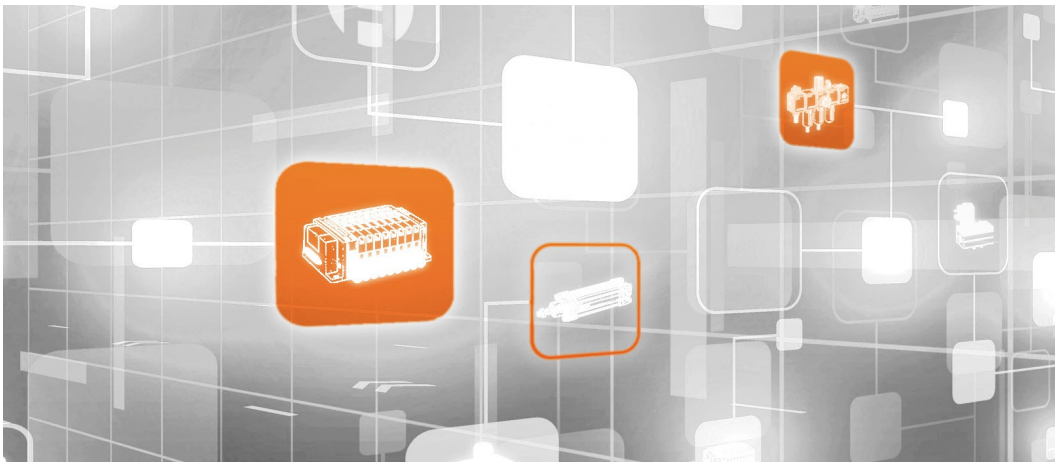

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