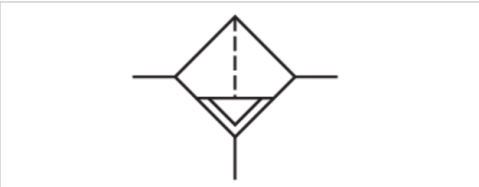
Microfilter, Series AS3-FLC

- G 3/8 G 1/2
- filter porosity 0,01 µm
- contamination display integrated
- 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	49 cm³
Filter element	exchangeable
filter porosity	0,01 µm
Condensate drain	See table below
contamination display	integrated
Weight	See table below

Technical data

Part No.	Port	Flow Qn	Condensate drain
R412007054	G 3/8	700 l/min	semi-automatic, open without pressure
R412007055	G 3/8	700 l/min	fully automatic, open without pressure
R412007056	G 3/8	700 l/min	fully automatic, closed without pressure
R412007060	G 3/8	700 l/min	semi-automatic, open without pressure
R412007061	G 3/8	700 l/min	fully automatic, open without pressure
R412007062	G 3/8	700 l/min	fully automatic, closed without pressure
R412007063	G 1/2	700 l/min	semi-automatic, open without pressure
R412007064	G 1/2	700 l/min	fully automatic, open without pressure
R412007065	G 1/2	700 l/min	fully automatic, closed without pressure
R412007069	G 1/2	700 l/min	semi-automatic, open without pressure
R412007070	G 1/2	700 l/min	fully automatic, open without pressure
R412007071	G 1/2	700 l/min	fully automatic, closed without pressure

Part No.	Version	Weight
R412007054	reservoir, polycarbonate, with PA protective guard	0,361 kg
R412007055	reservoir, polycarbonate, with PA protective guard	0,41 kg
R412007056	reservoir, polycarbonate, with PA protective guard	0,41 kg
R412007060	-	0,783 kg
R412007061	-	0,757 kg
R412007062	-	0,757 kg

Part No.	Version	Weight
R412007063	reservoir, polycarbonate, with PA protective guard	0,361 kg
R412007064	reservoir, polycarbonate, with PA protective guard	0,41 kg
R412007065	reservoir, polycarbonate, with PA protective guard	0,762 kg
R412007069	-	0,762 kg
R412007070	-	0,736 kg
R412007071	-	0,736 kg

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

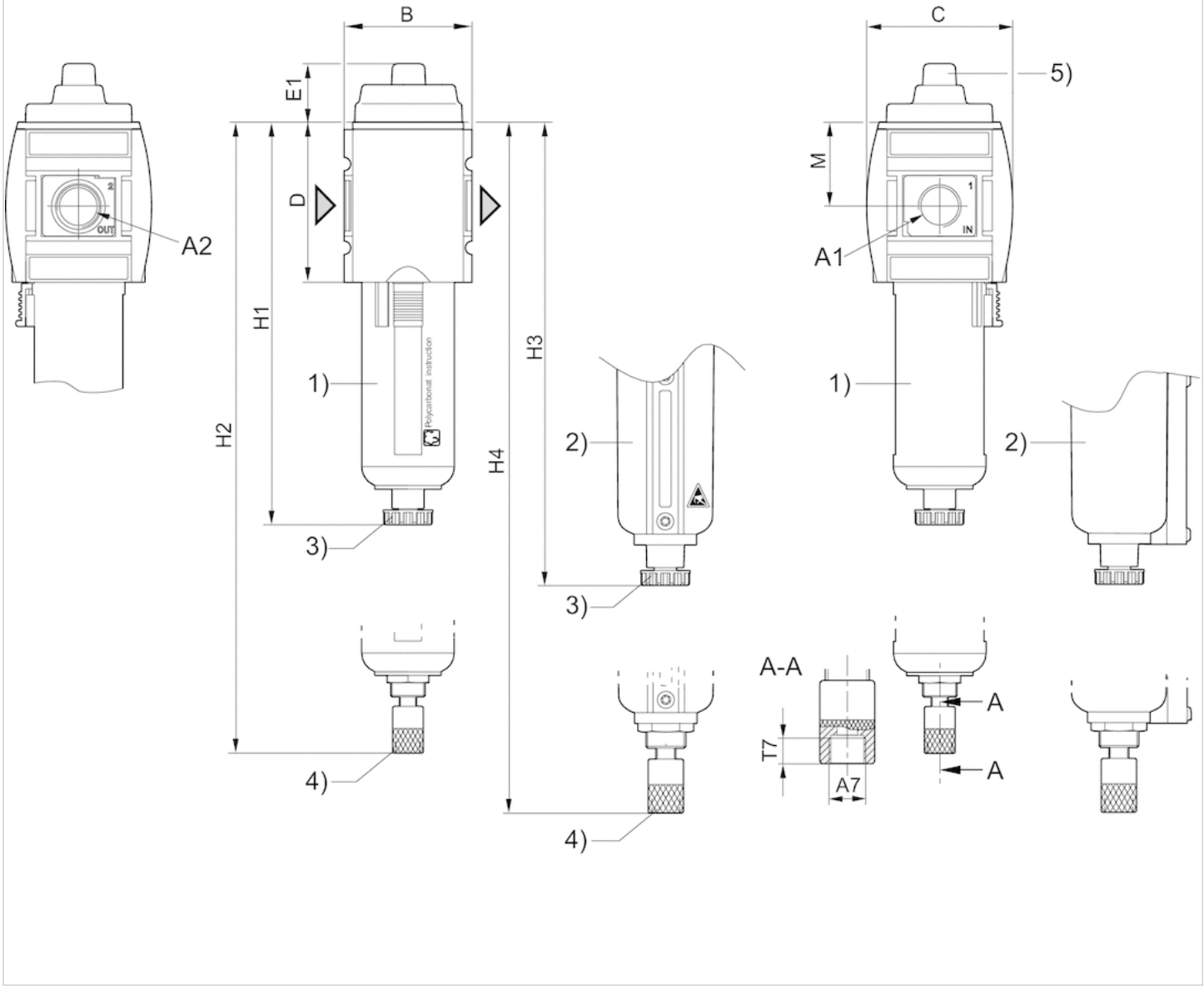
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

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



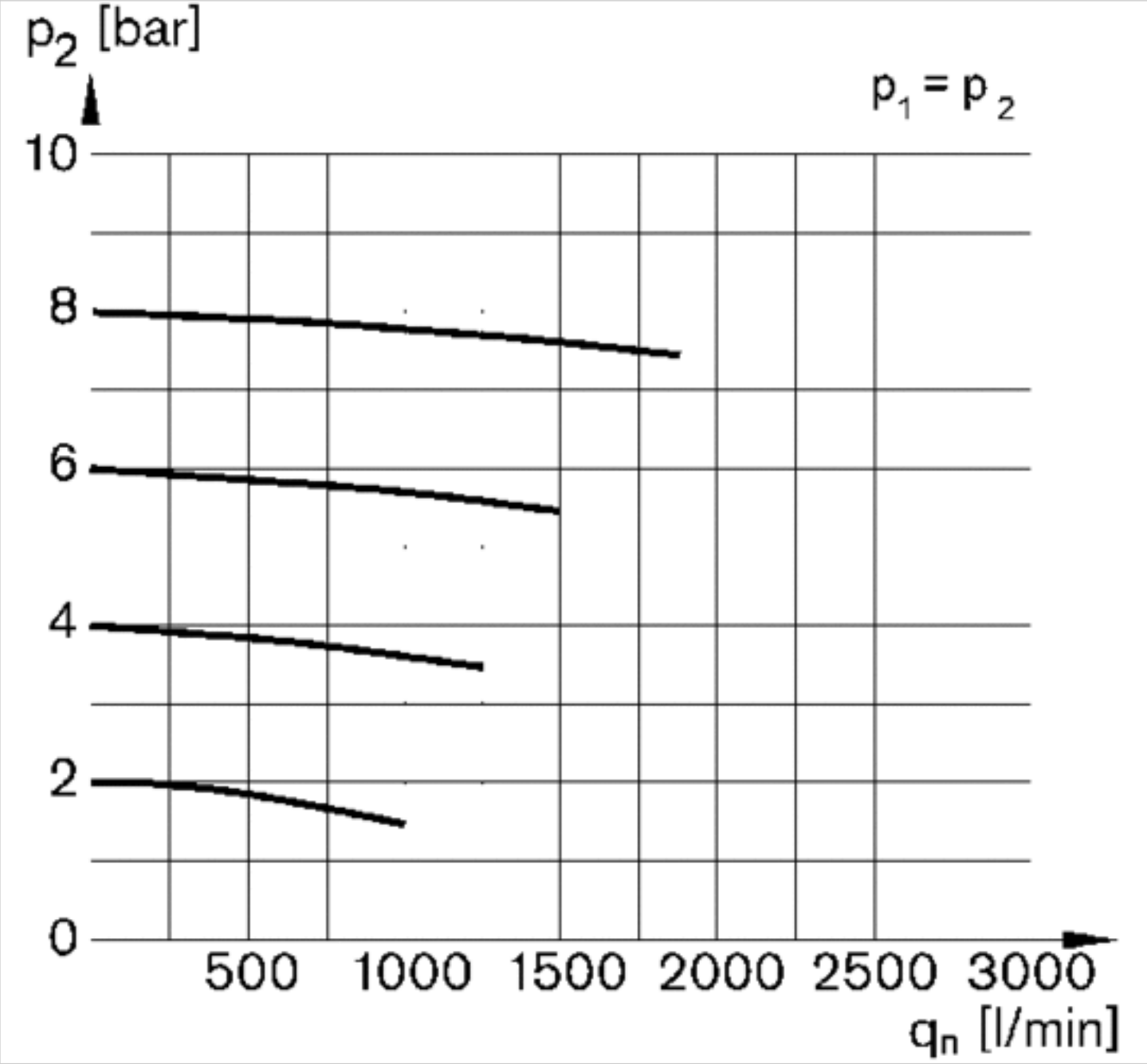
A1 = input
A2 = output
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass
3) Semi-automatic condensate drain
4) Fully automatic condensate drain
5) contamination display

Dimensions in mm

A1	A2	A7	B	C	D	E1	H1	H2	H3	H4	M	T7
G 3/8	G 3/8	G 1/8	63	74	80	23.7	189.5	206	193.5	210.5	42.5	8.5
G 1/2	G 1/2	G 1/8	63	74	80	23.7	189.5	206	193.5	210.5	42.5	8.5

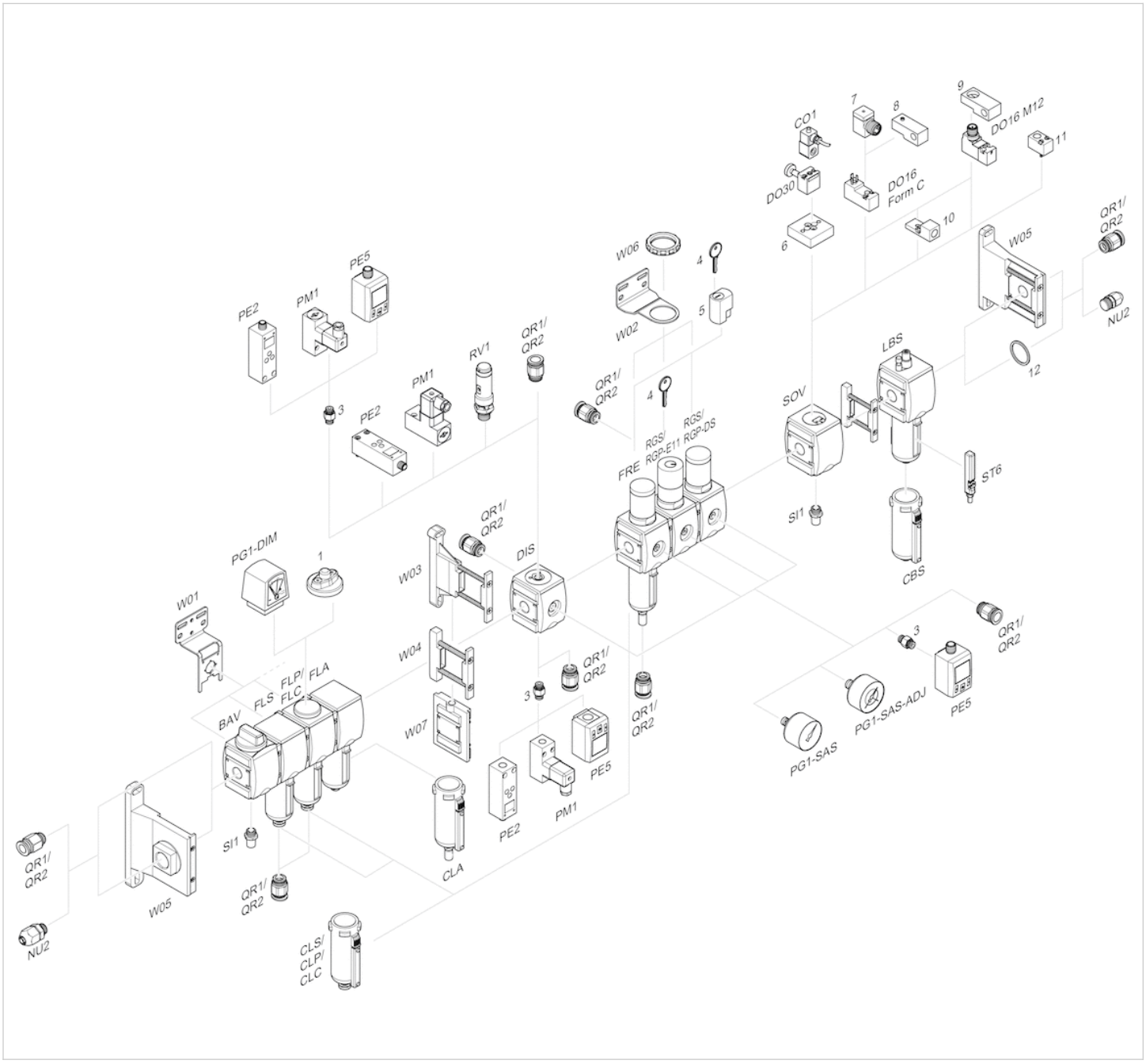
Diagrams

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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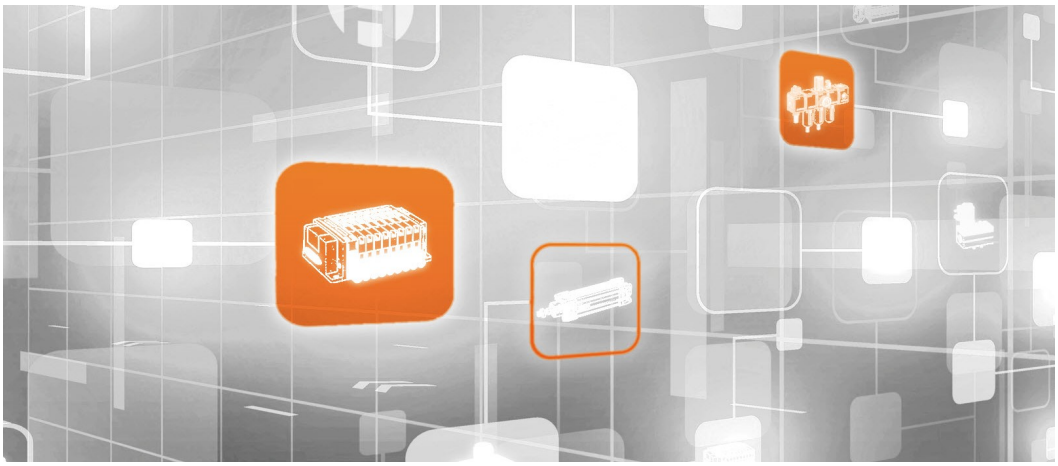

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