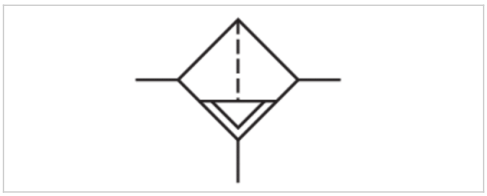
Microfilter, Series AS3-FLC

- G 3/8 G 1/2
- filter porosity 0.01 µm





Version	Microfilter, Can be assembled into blocks
Parts	Microfilter
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
Filter reservoir volume	49 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
R412007036	G 3/8	700 l/min	semi-automatic, open without pressure
R412007037	G 3/8	700 l/min	fully automatic, open without pressure
R412007038	G 3/8	700 l/min	fully automatic, closed without pressure
R412007042	G 3/8	700 l/min	semi-automatic, open without pressure
R412007043	G 3/8	700 l/min	fully automatic, open without pressure
R412007044	G 3/8	700 l/min	fully automatic, closed without pressure
R412007045	G 1/2	700 l/min	semi-automatic, open without pressure
R412007046	G 1/2	700 l/min	fully automatic, open without pressure
R412007047	G 1/2	700 l/min	fully automatic, closed without pressure
R412007051	G 1/2	700 l/min	semi-automatic, open without pressure
R412007052	G 1/2	700 l/min	fully automatic, open without pressure
R412007053	G 1/2	700 l/min	fully automatic, closed without pressure

Part No.	Version	Weight
R412007036	reservoir, polycarbonate, with PA protective guard	0.361 kg
R412007037	reservoir, polycarbonate, with PA protective guard	0.41 kg
R412007038	reservoir, polycarbonate, with PA protective guard	0.41 kg
R412007042	-	0.78 kg
R412007043	-	0.833 kg
R412007044	-	0.833 kg
R412007045	reservoir, polycarbonate, with PA protective guard	0.361 kg

Part No.	Version	Weight
R412007046	reservoir, polycarbonate, with PA protective guard	0.41 kg
R412007047	reservoir, polycarbonate, with PA protective guard	0.41 kg
R412007051	-	0.759 kg
R412007052	-	0.812 kg
R412007053	-	0.733 kg

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

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
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.

Recommended pre-filtering 0.3 µm

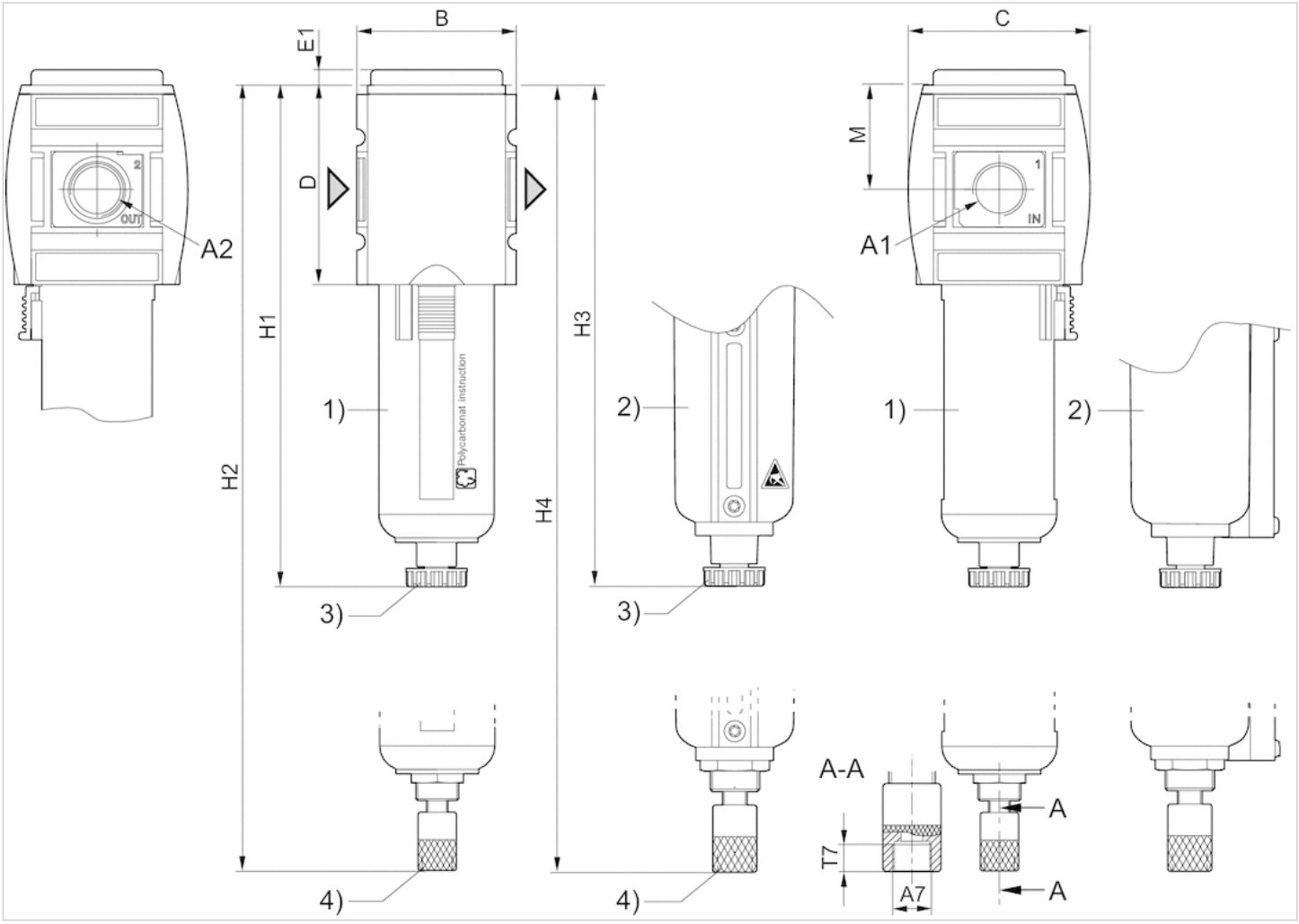
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

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



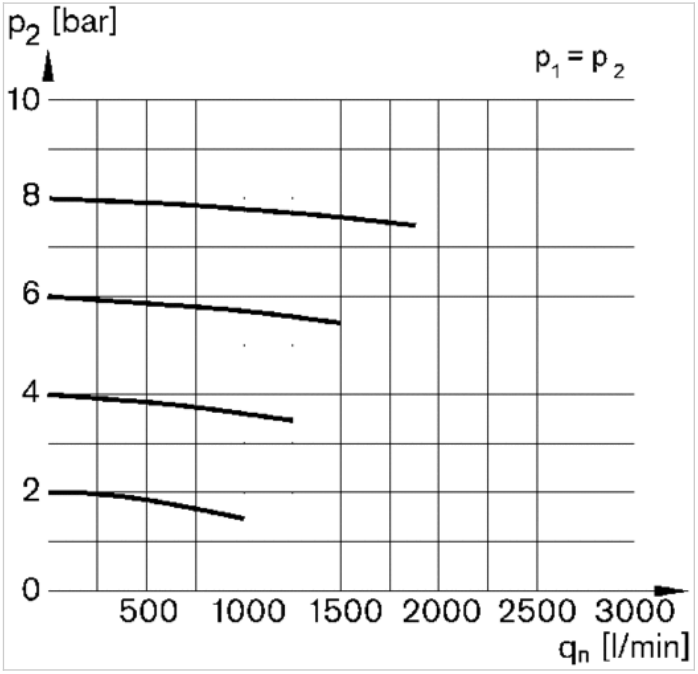
A1 = input
A2 = output
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass
3) Semi-automatic condensate drain
4) Fully automatic condensate drain

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	5	189.5	206	193.5	210.5	42.5	8.5
G 1/2	G 1/2	G 1/8	63	74	80	5	189.5	206	193.5	210.5	42.5	8.5

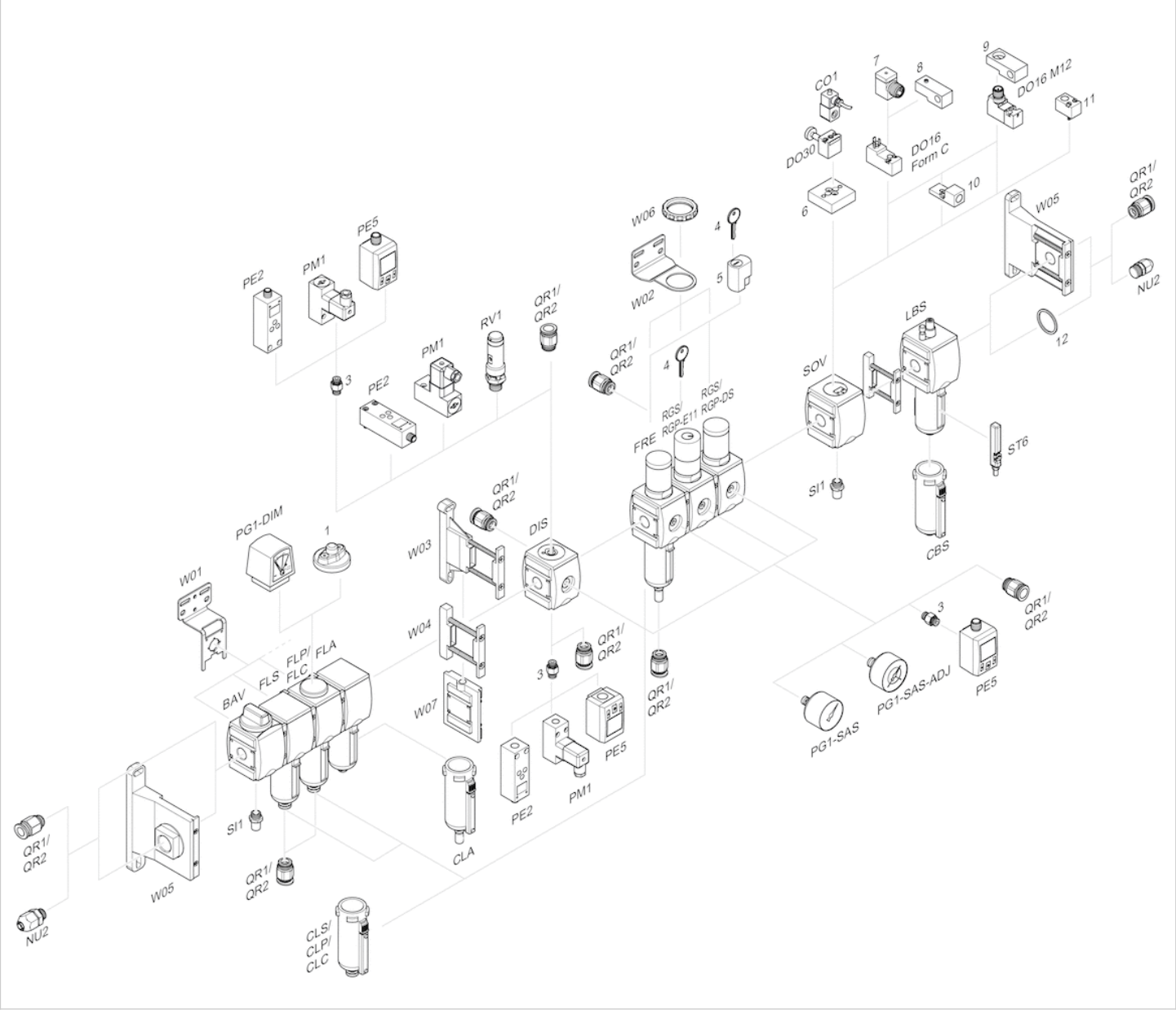
Diagrams

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