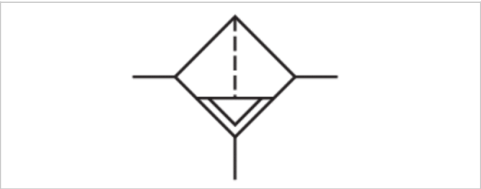
Microfilter, Series AS5-FLC

- G 3/4 G 1
- filter porosity 0.01 µm
- contamination display integrated





Version	Microfilter, Can be assembled into blocks
Parts	Microfilter
Mounting orientation	vertical
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
Filter reservoir volume	87 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	Working pressure min./max.
R412009054	G 3/4	1600 l/min	1.5 ... 16 bar
R412009060	G 3/4	1600 l/min	1.5 ... 16 bar
R412009055	G 3/4	1600 l/min	1.5 ... 16 bar
R412009056	G 3/4	1600 l/min	1.5 ... 16 bar
R412009061	G 3/4	1600 l/min	1.5 ... 16 bar
R412009062	G 3/4	1600 l/min	1.5 ... 16 bar
R412009063	G 1	1600 l/min	1.5 ... 16 bar
R412009069	G 1	1600 l/min	0 ... 16 bar
R412009064	G 1	1600 l/min	1.5 ... 16 bar
R412009065	G 1	1600 l/min	1.5 ... 16 bar
R412009070	G 1	1600 l/min	1.5 ... 16 bar
R412009071	G 1	1600 l/min	1.5 ... 16 bar

Part No.	Condensate drain
R412009054	semi-automatic, open without pressure
R412009060	semi-automatic, open without pressure
R412009055	fully automatic, open without pressure
R412009056	fully automatic, closed without pressure
R412009061	fully automatic, open without pressure
R412009062	fully automatic, closed without pressure

Part No.	Condensate drain
R412009063	semi-automatic, open without pressure
R412009069	semi-automatic, open without pressure
R412009064	fully automatic, open without pressure
R412009065	fully automatic, closed without pressure
R412009070	fully automatic, open without pressure
R412009071	fully automatic, closed without pressure

Part No.	Version	Weight
R412009054	reservoir, polycarbonate, with PA protective guard	0.361 kg
R412009060	-	1.55 kg
R412009055	reservoir, polycarbonate, with PA protective guard	0.41 kg
R412009056	reservoir, polycarbonate, with PA protective guard	0.41 kg
R412009061	-	1.58 kg
R412009062	-	1.57 kg
R412009063	reservoir, polycarbonate, with PA protective guard	0.361 kg
R412009069	-	1.48 kg
R412009064	reservoir, polycarbonate, with PA protective guard	0.41 kg
R412009065	reservoir, polycarbonate, with PA protective guard	0.762 kg
R412009070	-	1.5 kg
R412009071	-	1.5 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

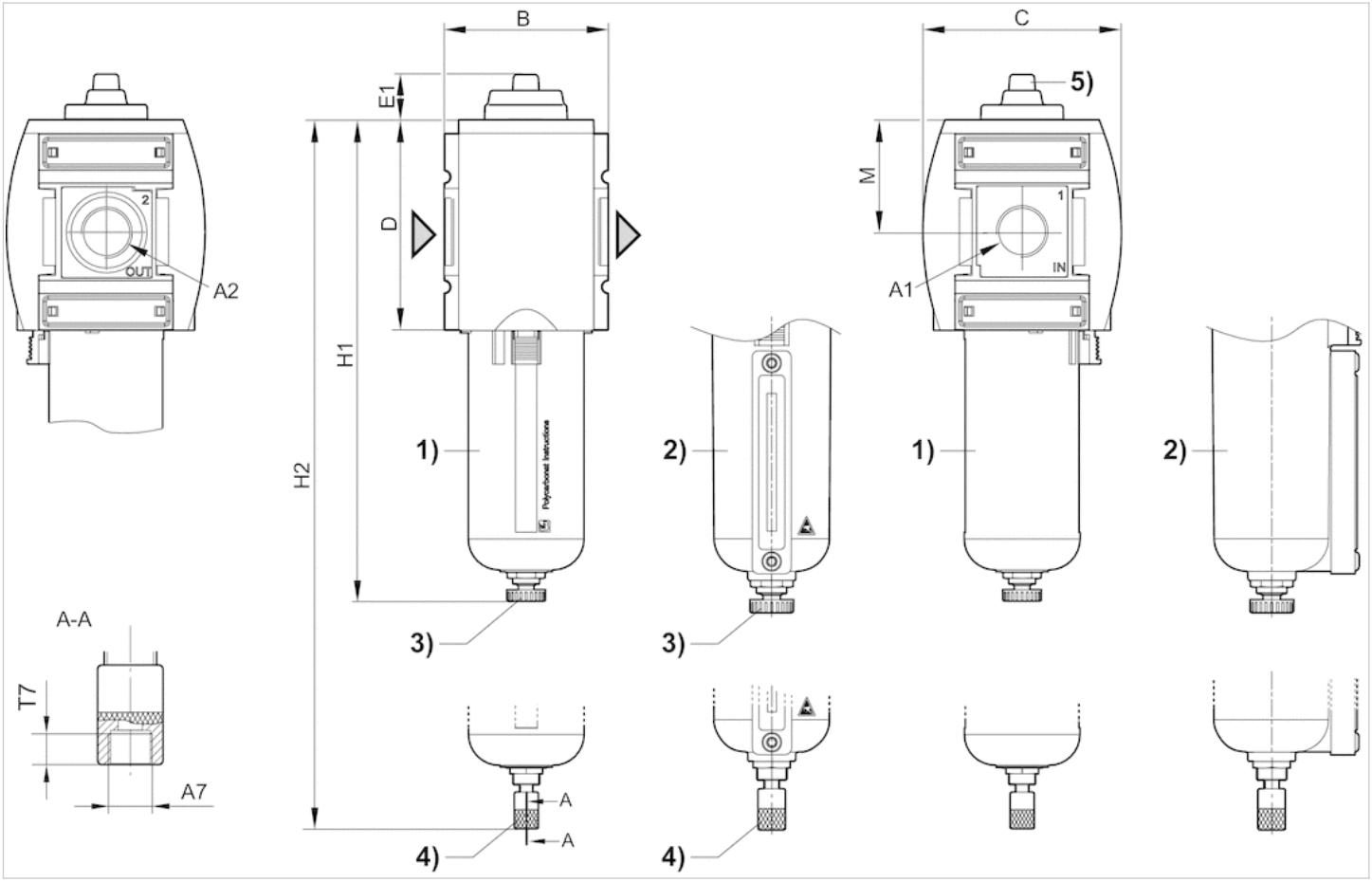
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

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



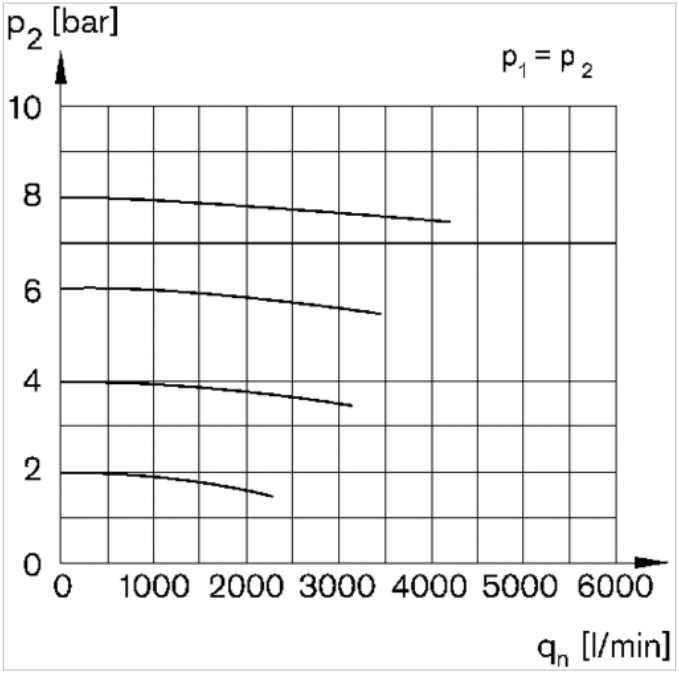
A1 = input
A2 = output
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Semi-automatic condensate drain
4) Fully automatic condensate drain
5) contamination display

Dimensions in mm

A1	A2	A7	B	C	D	E1	H1	H2	M	T7
G 3/4	G 3/4	G 1/8	85	103	109	23.7	250	--	58	8.5
G 3/4	G 3/4	--	85	103	109	23.7	--	266	58	--
G 1	G 1	G 1/8	85	103	109	23.7	250	--	58	8.5
G 1	G 1	--	85	103	109	23.7	--	266	58	--

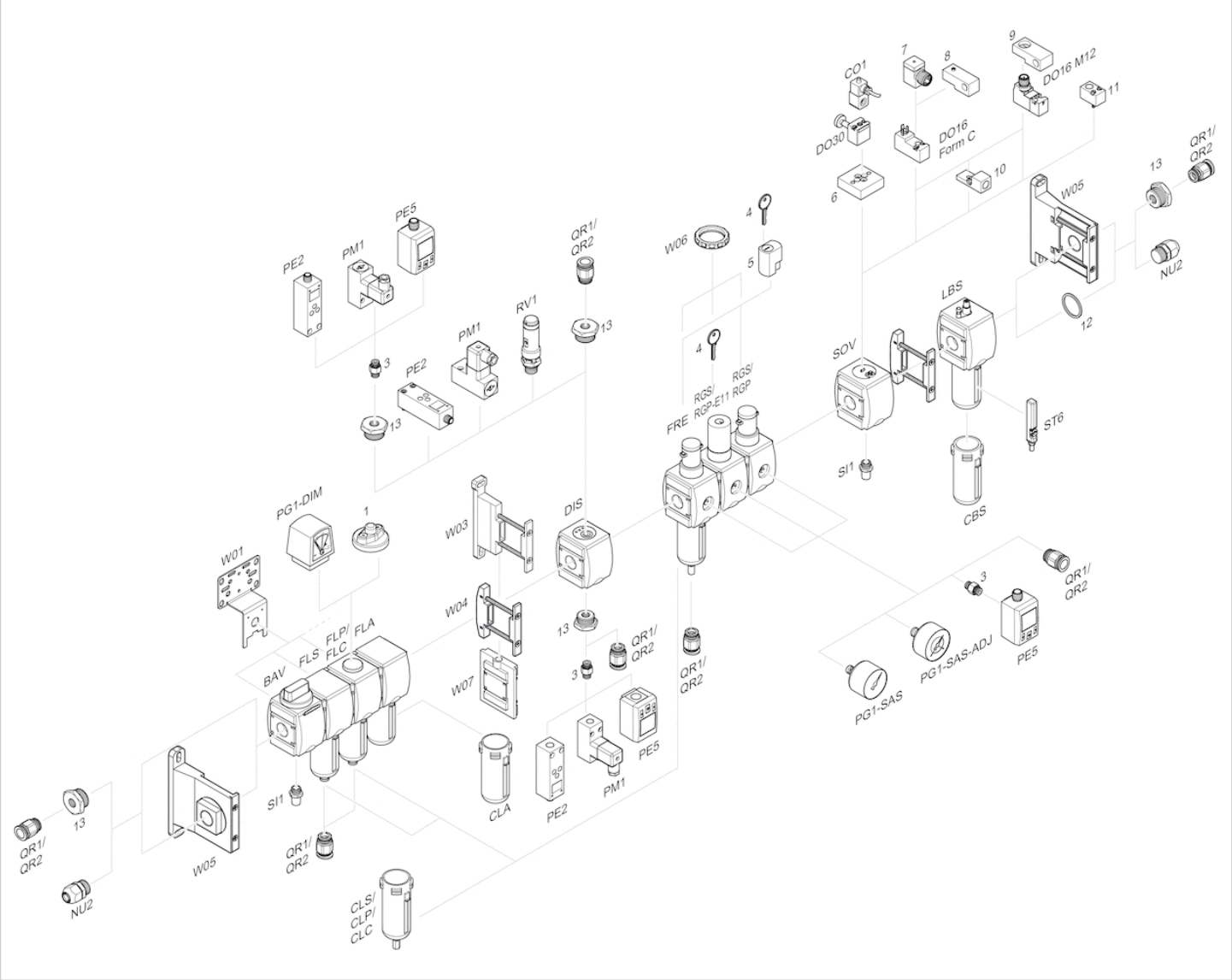
Diagrams

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
13 = Reducing nipple