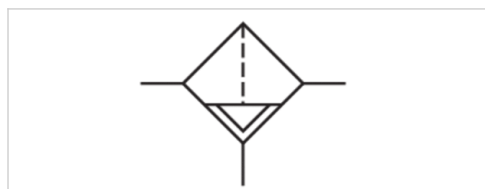


Microfilter, Series AS5-FLC

- G 3/4 G 1

- 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	87 cm ³
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
R412009036	G 3/4	1600 l/min	semi-automatic, open without pressure
R412009037	G 3/4	1600 l/min	fully automatic, open without pressure
R412009038	G 3/4	1600 l/min	fully automatic, closed without pressure
R412009042	G 3/4	1600 l/min	semi-automatic, open without pressure
R412009043	G 3/4	1600 l/min	fully automatic, open without pressure
R412009044	G 3/4	1600 l/min	fully automatic, closed without pressure
R412009045	G 1	1600 l/min	semi-automatic, open without pressure
R412009046	G 1	1600 l/min	fully automatic, open without pressure
R412009047	G 1	1600 l/min	fully automatic, closed without pressure
R412009051	G 1	1600 l/min	semi-automatic, open without pressure
R412009052	G 1	1600 l/min	fully automatic, closed without pressure
R412009053	G 1	1600 l/min	fully automatic, closed without pressure

Part No.	Version	Weight	
R412009036	reservoir, polycarbonate, with PA protective guard	0,71 kg	1)
R412009037	reservoir, polycarbonate, with PA protective guard	0,76 kg	1)
R412009038	reservoir, polycarbonate, with PA protective guard	0,76 kg	1)
R412009042	-	1,21 kg	2)
R412009043	-	1,26 kg	2)
R412009044	-	1,26 kg	2)
R412009045	reservoir, polycarbonate, with PA protective guard	0,71 kg	1)

Part No.	Version	Weight	
R412009046	reservoir, polycarbonate, with PA protective guard	0,76 kg	1)
R412009047	reservoir, polycarbonate, with PA protective guard	0,76 kg	1)
R412009051	-	1,21 kg	2)
R412009052	-	1,26 kg	2)
R412009053	-	1,26 kg	2)

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

1) Suitable for use in Ex zones 1, 2, 21, 22.

2) Reservoir with level indicator, 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

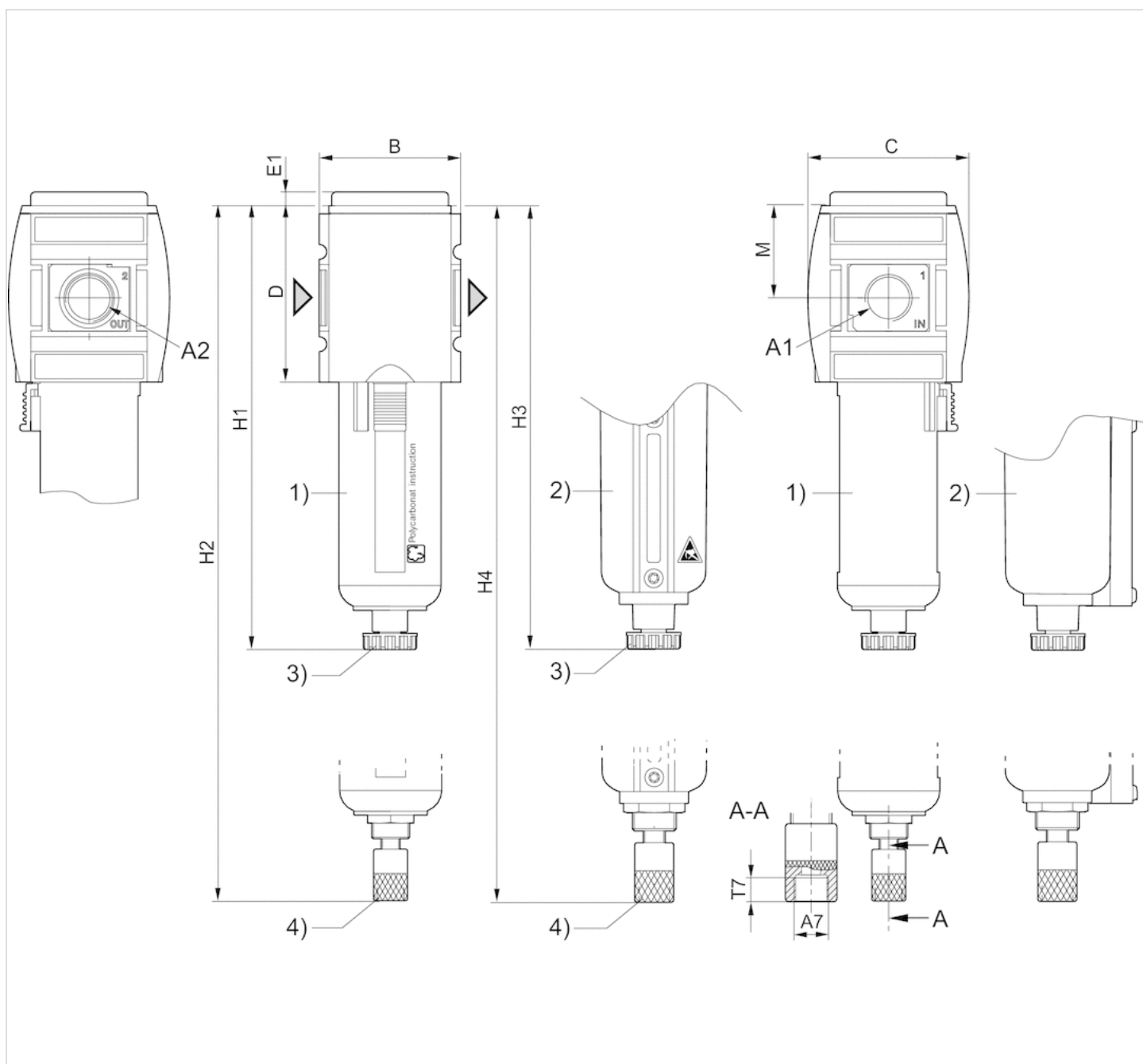
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

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

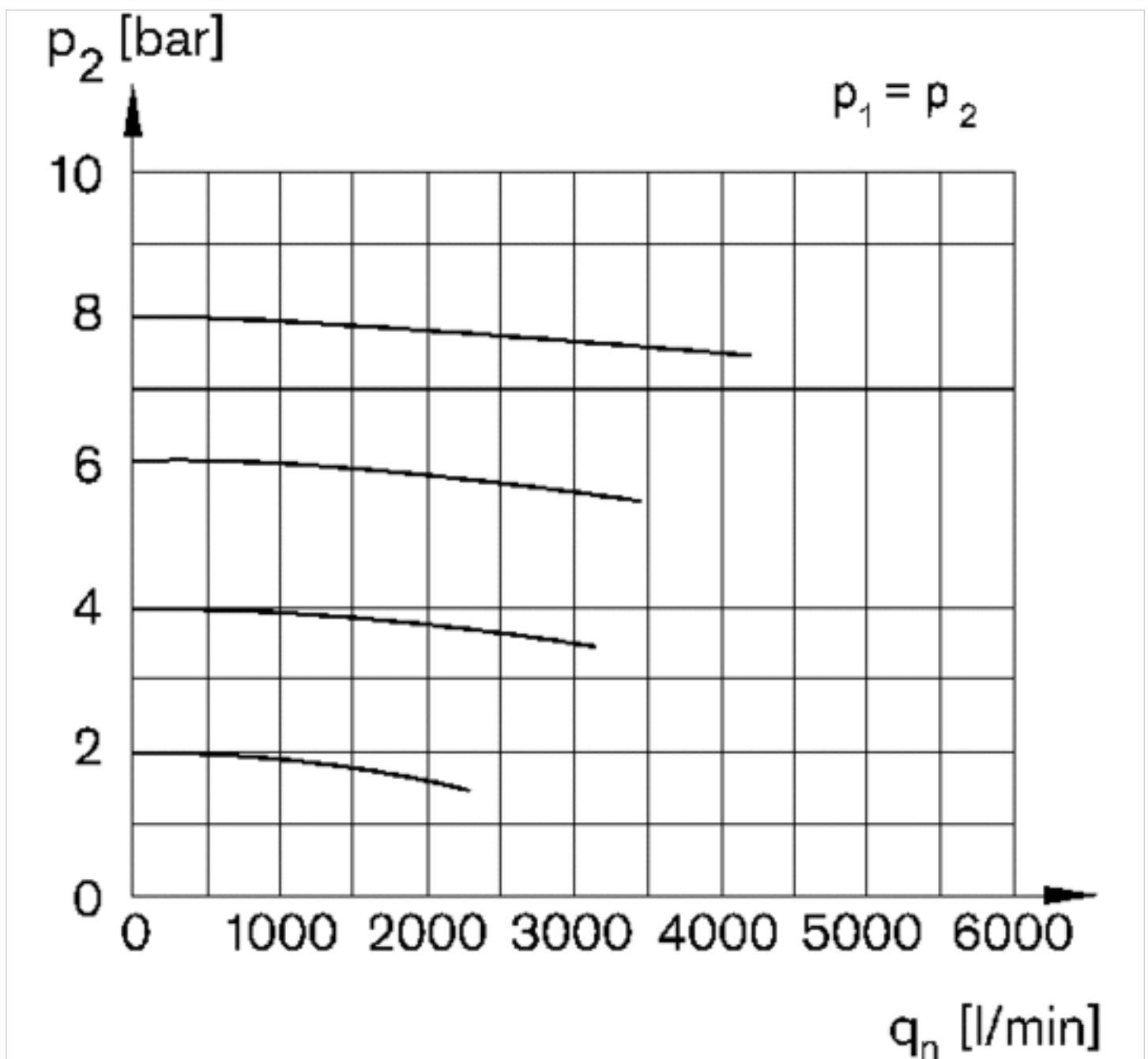
4) Fully automatic condensate drain

Dimensions in mm

A1	A2	A7	B	C	D	E1	H1	H2	H3	H4	M	T7
G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270	58	8.5
G 1	G 1	G 1/8	85	103	109	5	250	266	254	270	58	8.5

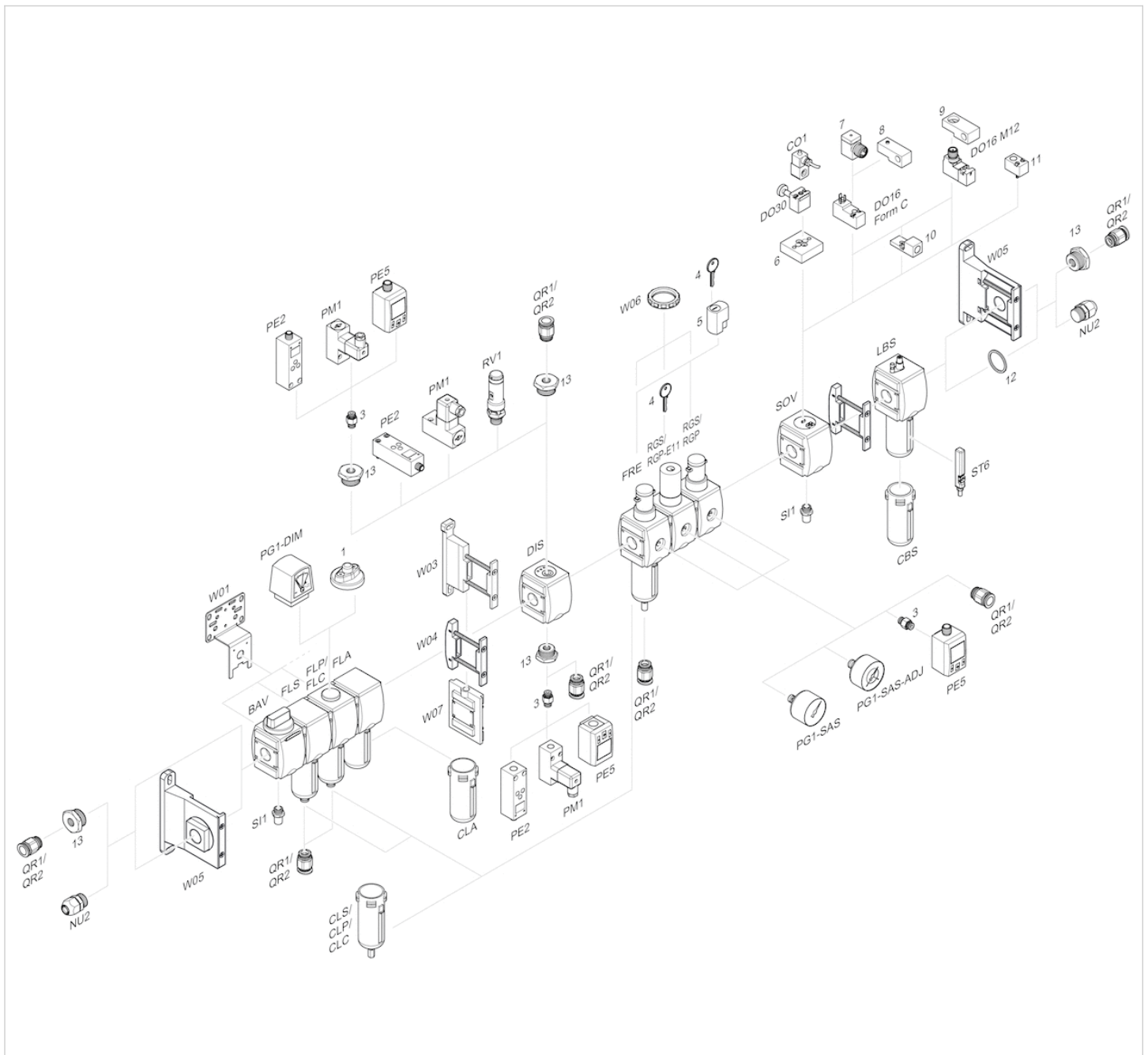
Diagrams

Flow rate characteristic



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = 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

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