

Microfilter, Series AS5-FLC

- G 3/4 G 1

- filter porosity 0,01 µm

- suitable for ATEX



Version	Microfilter, Can be assembled into blocks
Parts	Microfilter
Mounting orientation	vertical
Certificates	suitable for ATEX
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 cm ³
Filter element	exchangeable
filter porosity	0,01 µm
Condensate drain	See table below
Weight	See table below

Technical data

Part No.	Port	Qn	Working pressure min./max.
R412009036	G 3/4	1600 l/min	1,5 ... 16 bar
R412009037	G 3/4	1600 l/min	1,5 ... 16 bar
R412009038	G 3/4	1600 l/min	0 ... 16 bar
R412009042	G 3/4	1600 l/min	1,5 ... 16 bar
R412009043	G 3/4	1600 l/min	1,5 ... 16 bar
R412009044	G 3/4	1600 l/min	0 ... 16 bar
R412009045	G 1	1600 l/min	1,5 ... 16 bar
R412009046	G 1	1600 l/min	1,5 ... 16 bar
R412009047	G 1	1600 l/min	0 ... 16 bar
R412009051	G 1	1600 l/min	1,5 ... 16 bar
R412009052	G 1	1600 l/min	1,5 ... 16 bar
R412009053	G 1	1600 l/min	0 ... 16 bar

Part No.	Condensate drain	Reservoir	Protective guard	Weight	
R412009036	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,71 kg	1)
R412009037	fully automatic, open without pressure	Polycarbonate	Polyamide	0,76 kg	1)
R412009038	fully automatic, closed without pressure	Polycarbonate	Polyamide	0,76 kg	1)
R412009042	semi-automatic, open without pressure	Die cast zinc	-	1,21 kg	2)
R412009043	fully automatic, open without pressure	Die cast zinc	-	1,26 kg	2)
R412009044	fully automatic, closed without pressure	Die cast zinc	-	1,26 kg	2)
R412009045	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,71 kg	1)

Part No.	Condensate drain	Reservoir	Protective guard	Weight	
R412009046	fully automatic, open without pressure	Polycarbonate	Polyamide	0,76 kg	1)
R412009047	fully automatic, closed without pressure	Polycarbonate	Polyamide	0,76 kg	1)
R412009051	semi-automatic, open without pressure	Die cast zinc	-	1,21 kg	2)
R412009052	fully automatic, closed without pressure	Die cast zinc	-	1,26 kg	2)
R412009053	fully automatic, closed without pressure	Die cast zinc	-	1,26 kg	2)

Nominal flow Qn with secondary pressure p2 = 6 bar at $\Delta p = 0.1$ 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.

Also suitable for separation of fluid oil or water due to the design.

Recommended pre-filtering 0,3 µm

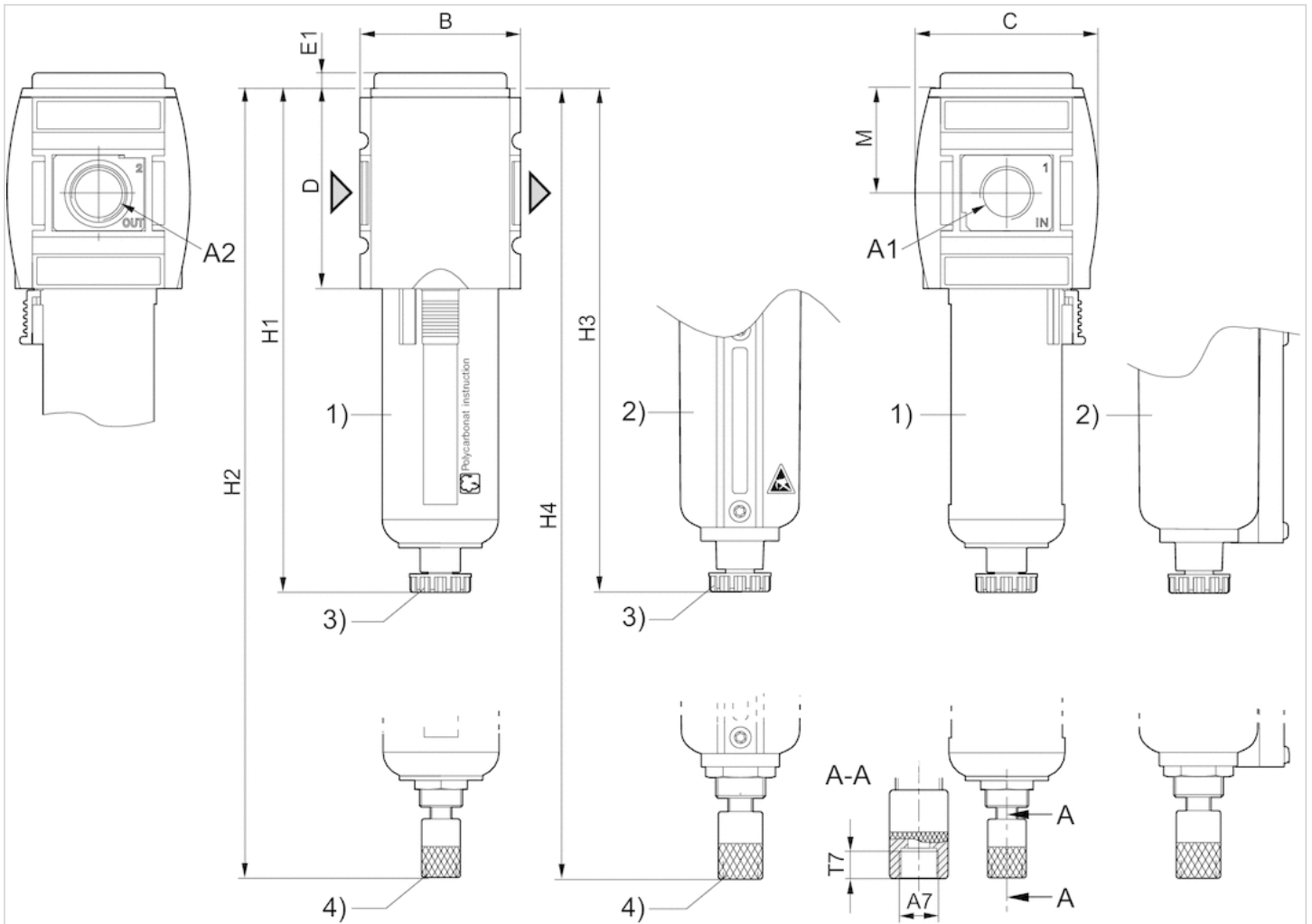
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

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



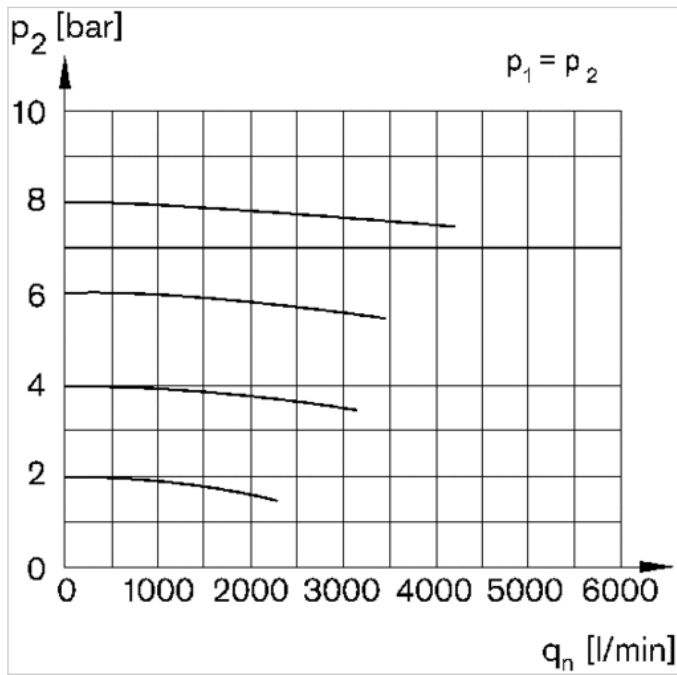
- A1 = input A2 = output
- A7 = condensate drain
- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with inspection glass
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain

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