

Microfilter, Series AS2-FLC

- G 1/4 G 3/8

- filter porosity 0,01 µm

- contamination display integrated

- suitable for ATEX



Version

Parts

Mounting orientation

Certificates

Working pressure min./max.

Ambient temperature min./max.

Medium temperature min./max.

Medium

Filter reservoir volume

Filter element

filter porosity

Condensate drain

contamination display

Weight

Microfilter, Can be assembled into blocks

Microfilter

vertical

suitable for ATEX

See table below

-10 ... 50 °C

-10 ... 50 °C

Compressed air Neutral gases

12 cm³

exchangeable

0,01 µm

See table below

integrated

See table below

Technical data

Part No.	Port	Qn	Working pressure min./max.	Condensate drain
R412006054	G 1/4	350 l/min	1,5 ... 16 bar	semi-automatic, open without pressure
R412006055	G 1/4	350 l/min	1,5 ... 16 bar	fully automatic, open without pressure
R412006056	G 1/4	350 l/min	0 ... 16 bar	fully automatic, closed without pressure
R412006060	G 1/4	350 l/min	1,5 ... 16 bar	semi-automatic, open without pressure
R412006061	G 1/4	350 l/min	1,5 ... 16 bar	fully automatic, open without pressure
R412006062	G 1/4	350 l/min	0 ... 16 bar	fully automatic, closed without pressure
R412006063	G 3/8	350 l/min	1,5 ... 16 bar	semi-automatic, open without pressure
R412006064	G 3/8	350 l/min	1,5 ... 16 bar	fully automatic, open without pressure
R412006065	G 3/8	350 l/min	0 ... 16 bar	fully automatic, closed without pressure
R412006069	G 3/8	350 l/min	1,5 ... 16 bar	semi-automatic, open without pressure
R412006070	G 3/8	350 l/min	1,5 ... 16 bar	fully automatic, open without pressure
R412006071	G 3/8	350 l/min	0 ... 16 bar	fully automatic, closed without pressure

Part No.	Reservoir	Protective guard	Weight
R412006054	Polycarbonate	Polyamide	0,22 kg
R412006055	Polycarbonate	Polyamide	0,263 kg
R412006056	Polycarbonate	Polyamide	0,263 kg
R412006060	Die cast zinc with window	-	0,485 kg
R412006061	Die cast zinc with window	-	0,564 kg
R412006062	Die cast zinc with window	-	0,569 kg

Part No.	Reservoir	Protective guard	Weight
R412006063	Polycarbonate	Polyamide	0,22 kg
R412006064	Polycarbonate	Polyamide	0,263 kg
R412006065	Polycarbonate	Polyamide	0,263 kg
R412006069	Die cast zinc with window	-	0,474 kg
R412006070	Die cast zinc with window	-	0,554 kg
R412006071	Die cast zinc with window	-	0,559 kg

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

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

Recommended pre-filtering 0,3 µm

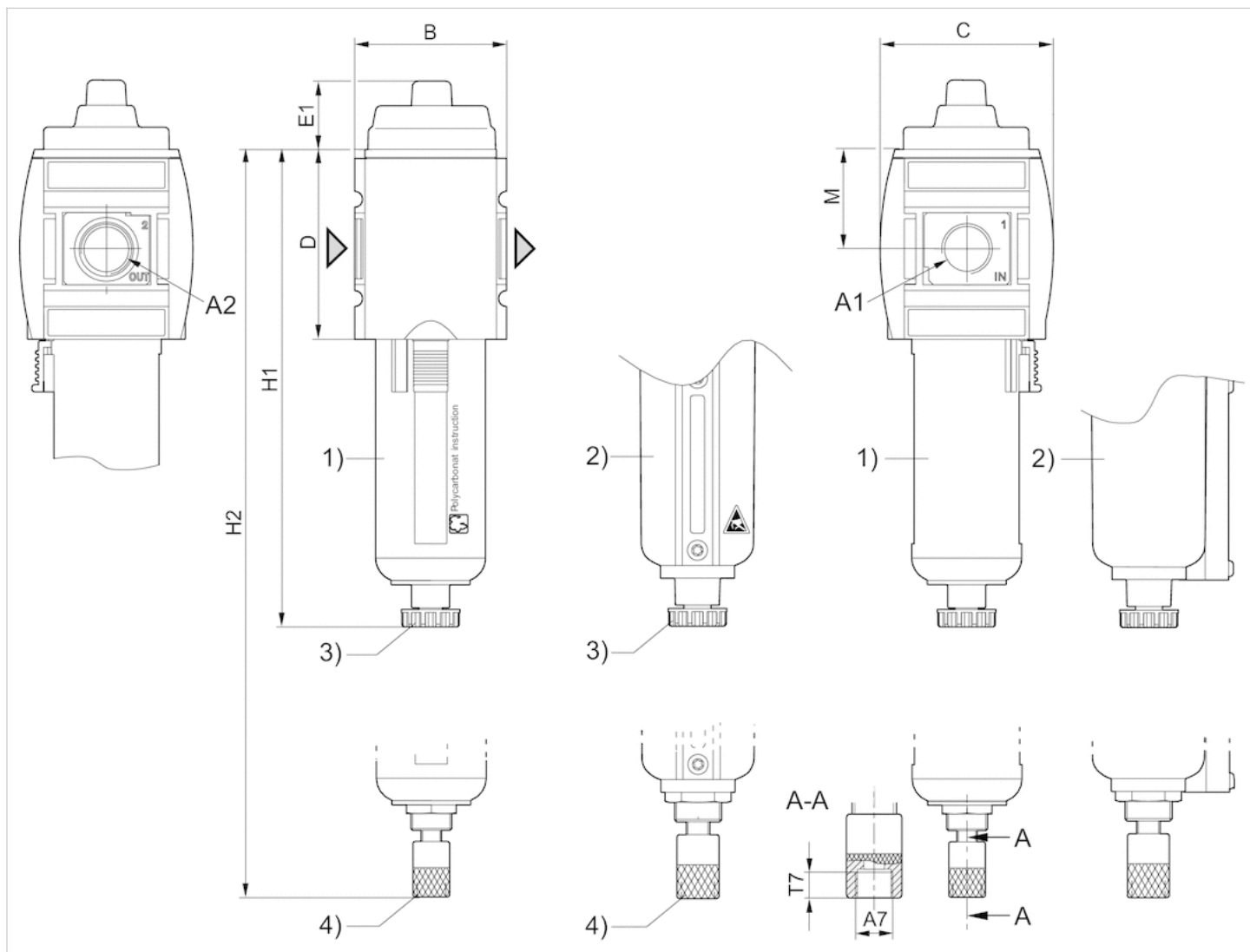
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

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

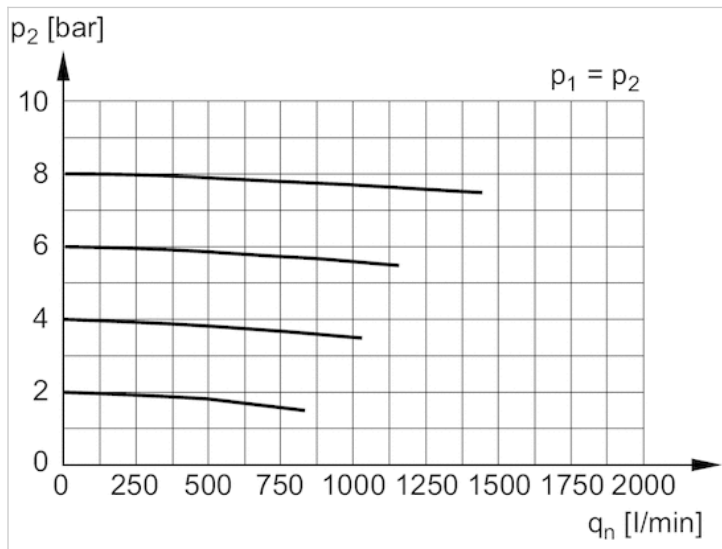
- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with inspection glass
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain

Dimensions in mm

A1	A2	A7	B	C	D	E1	H1	H2	M	T7
G 1/4	G 1/4	G 1/8	52	59	65	24	163.5	180.5	34	8.5
G 3/8	G 3/8	G 1/8	52	59	65	24	163.5	180.5	34	8.5

Diagrams

Flow rate characteristic



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow