

# Microfilter, Series AS5-FLC

- G 3/4
- filter porosity 0,01 µm
- contamination display integrated
- 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
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Filter reservoir volume	87 cm <sup>3</sup>
Filter element	exchangeable
filter porosity	0,01 µm
Condensate drain	See table
contamination display	integrated
Weight	See table



## Technical data

Part No.	Port	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	0 ... 16 bar
R412009061	G 3/4	1600 l/min	1,5 ... 16 bar
R412009062	G 3/4	1600 l/min	0 ... 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	0 ... 16 bar
R412009070	G 1	1600 l/min	1,5 ... 16 bar
R412009071	G 1	1600 l/min	0 ... 16 bar

Part No.	Condensate drain	Reservoir
R412009054	semi-automatic, open without pressure	Polycarbonate
R412009060	semi-automatic, open without pressure	Die cast zinc with window
R412009055	fully automatic, open without pressure	Polycarbonate
R412009056	fully automatic, closed without pressure	Polycarbonate
R412009061	fully automatic, open without pressure	Die cast zinc with window
R412009062	fully automatic, closed without pressure	Die cast zinc with window
R412009063	semi-automatic, open without pressure	Polycarbonate
R412009069	semi-automatic, open without pressure	Die cast zinc with window
R412009064	fully automatic, open without pressure	Polycarbonate

Part No.	Condensate drain	Reservoir
R412009065	fully automatic, closed without pressure	Polycarbonate
R412009070	fully automatic, open without pressure	Die cast zinc with window
R412009071	fully automatic, closed without pressure	Die cast zinc with window

Part No.	Protective guard	Weight
R412009054	Polyamide	0,361 kg
R412009060	-	1,55 kg
R412009055	Polyamide	0,41 kg
R412009056	Polyamide	0,41 kg
R412009061	-	1,58 kg
R412009062	-	1,57 kg
R412009063	Polyamide	0,361 kg
R412009069	-	1,48 kg
R412009064	Polyamide	0,41 kg
R412009065	Polyamide	0,762 kg
R412009070	-	1,5 kg
R412009071	-	1,5 kg

## 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

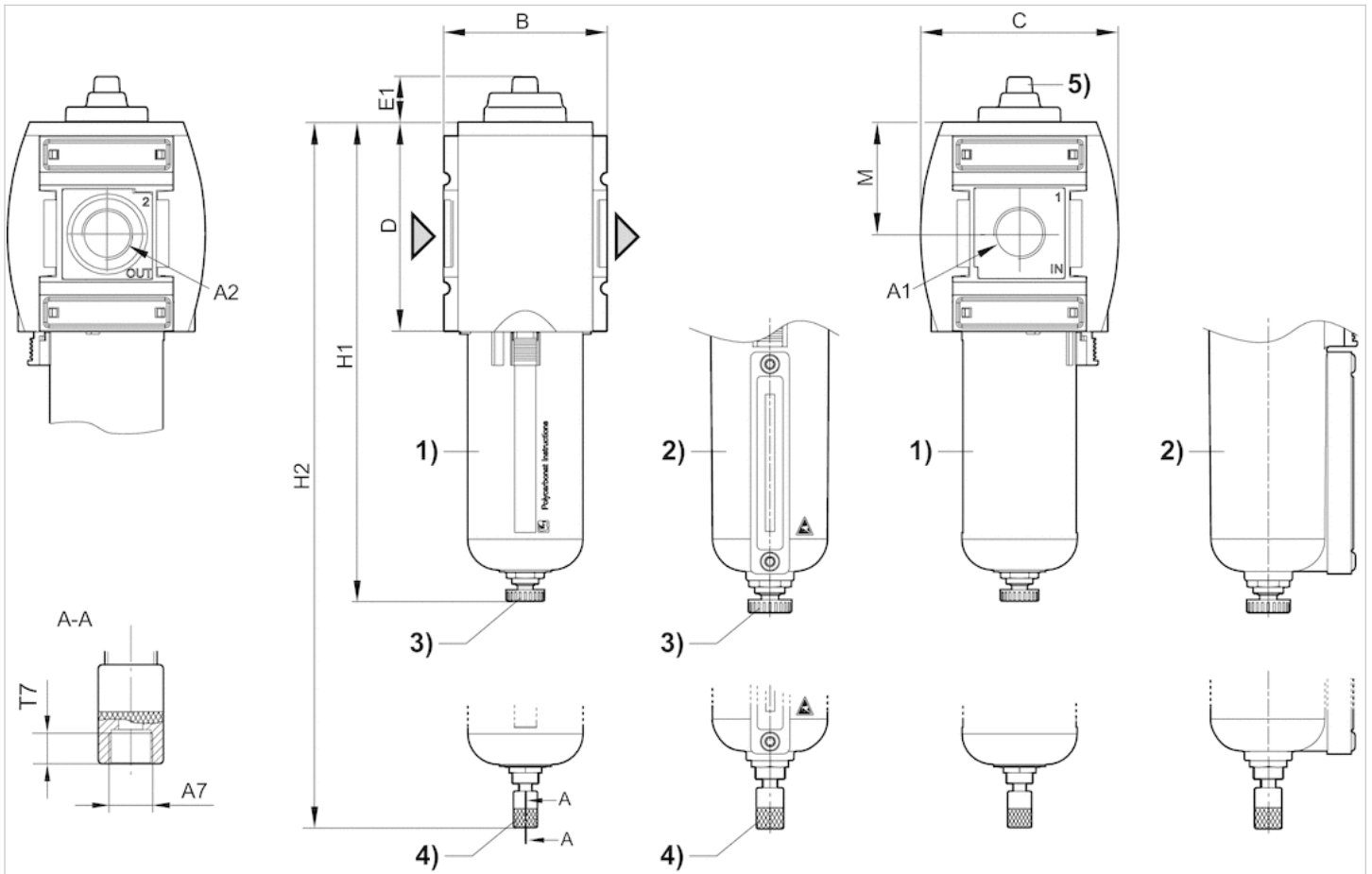
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

## 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

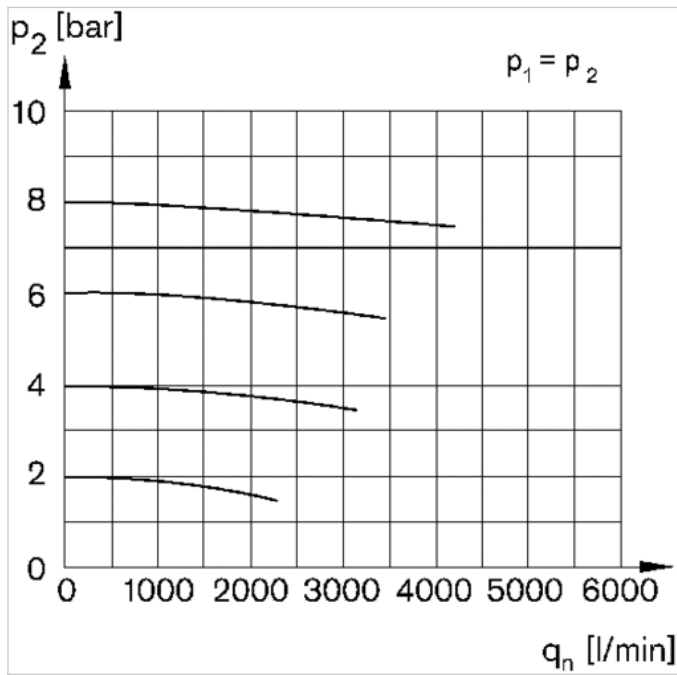
- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with level indicator
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain
- 5) contamination display

## 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	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



$p_1$  = Working pressure  $p_2$  = Secondary pressure  $q_n$  = Nominal flow