

# Active carbon filter, Series AS5-FLA

- G 3/4 G 1

- suitable for ATEX



Type	Active carbon filter, Can be assembled into blocks
Parts	Active carbon filter
Mounting orientation	vertical
Certificates	suitable for ATEX
Working pressure min./max.	0 ... 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 cm³
Filter element	exchangeable
Condensate drain	without
Weight	See table below

## Technical data

Part No.	Port	Flow Qn	Version	Weight
R412009072	G 3/4	1700 l/min	reservoir, polycarbonate, with PA protective guard	0,71 kg
R412009074	G 3/4	1700 l/min	-	0,375 kg
R412009075	G 1	1700 l/min	reservoir, polycarbonate, with PA protective guard	0,71 kg
R412009077	G 1	1700 l/min	-	0,375 kg

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 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.

Recommended pre-filtering 0,01 µm

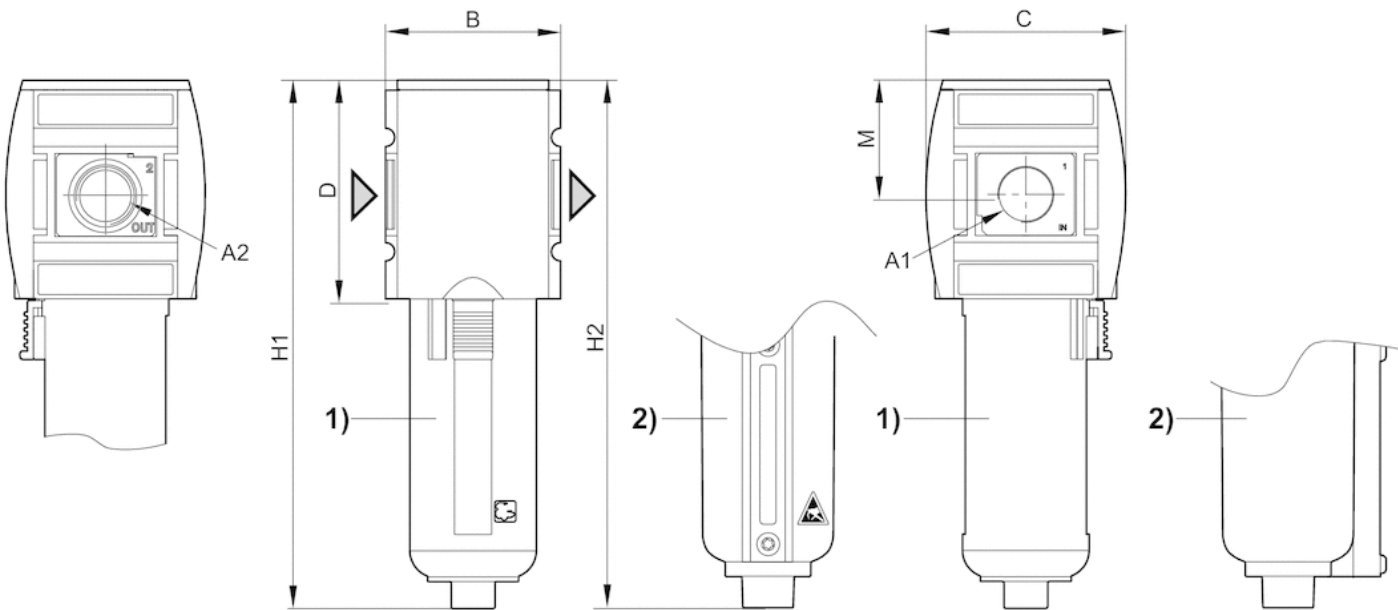
Max. achievable compressed air class acc. to ISO 8573-1:2010 - : - : 1

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	Active carbon

Dimensions

Dimensions



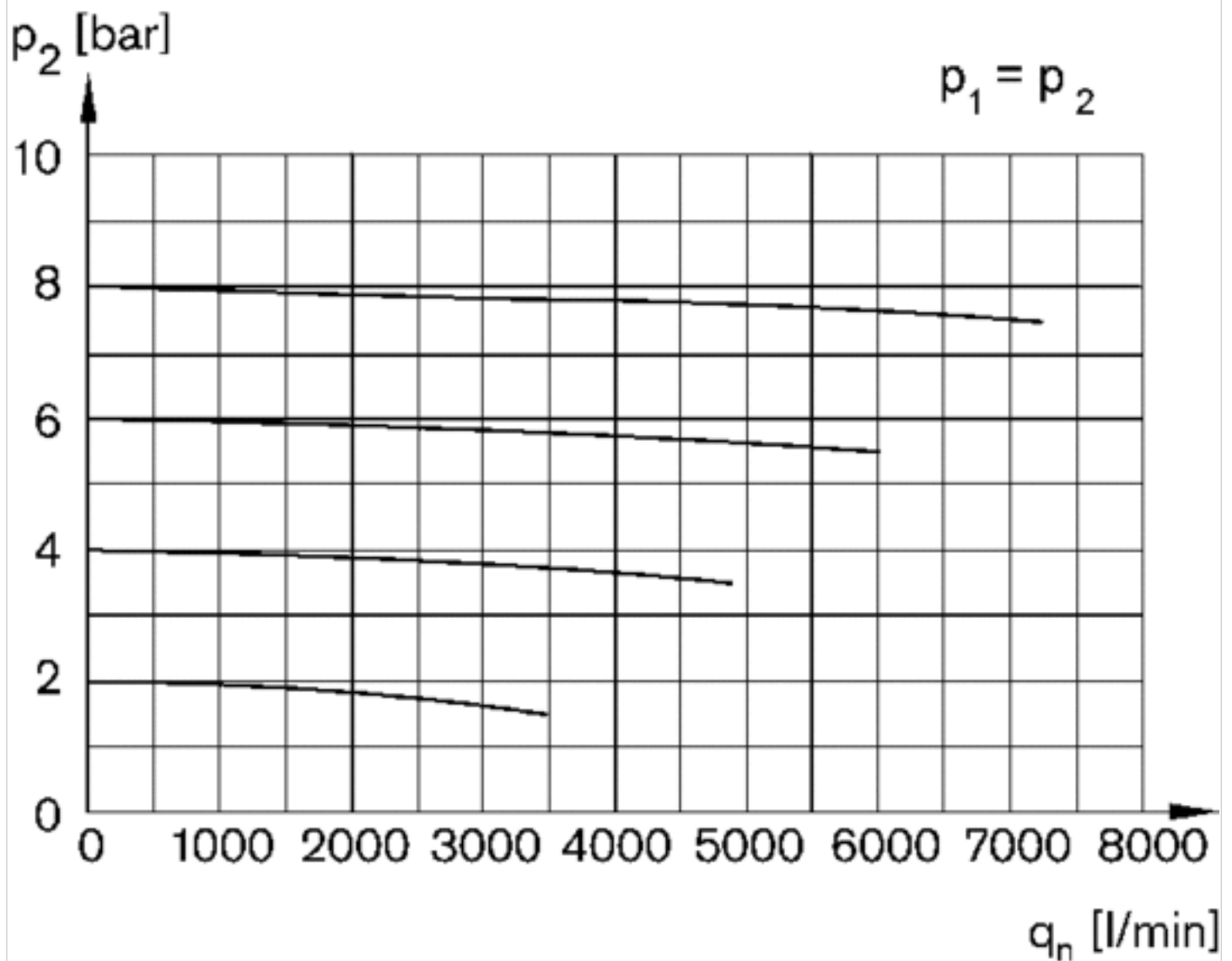
- A1 = input  
A2 = output  
1) Plastic reservoir and protective guard with window  
2) Metal reservoir with inspection glass

Dimensions in mm

A1	A2	B	C	D	H1	H2	M
G 3/4	G 3/4	85	103	109	242	246	58
G 1	G 1	85	103	109	242	246	58

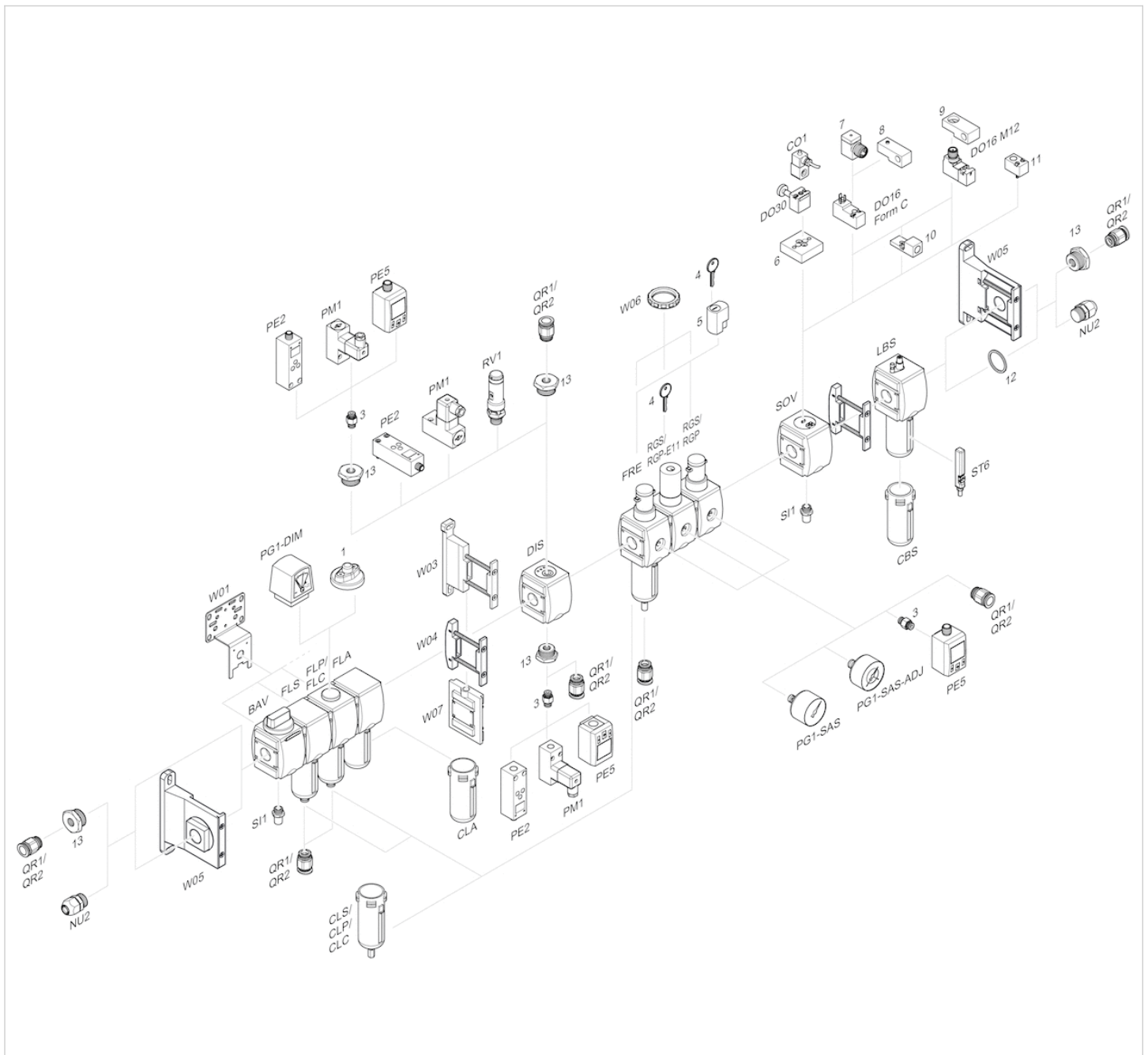
## Diagrams

## 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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2020-12



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