

# Filter, Series AS3-FLS

- G 3/8 G 1/2
- filter porosity 5 µm
- suitable for ATEX



Type	Standard filter, Can be assembled into blocks
Parts	Filter
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	49 cm <sup>3</sup>
Filter element	exchangeable
filter porosity	5 µm
Condensate drain	See table below
Weight	See table below

## Technical data

Part No.	Port	Flow Qn	Condensate drain
R412007000	G 3/8	3500 l/min	semi-automatic, open without pressure
R412007001	G 3/8	3500 l/min	fully automatic, open without pressure
R412007002	G 3/8	3500 l/min	fully automatic, closed without pressure
R412007006	G 3/8	3500 l/min	semi-automatic, open without pressure
R412007007	G 3/8	3500 l/min	fully automatic, open without pressure
R412007008	G 3/8	3500 l/min	fully automatic, closed without pressure
R412007009	G 1/2	3500 l/min	semi-automatic, open without pressure
R412007010	G 1/2	3500 l/min	fully automatic, open without pressure
R412007011	G 1/2	3500 l/min	fully automatic, closed without pressure
R412007015	G 1/2	3500 l/min	semi-automatic, open without pressure
R412007016	G 1/2	3500 l/min	fully automatic, open without pressure
R412007017	G 1/2	3500 l/min	fully automatic, closed without pressure

Part No.	Version	Weight
R412007000	reservoir, polycarbonate, with PA protective guard	0,361 kg
R412007001	reservoir, polycarbonate, with PA protective guard	0,41 kg
R412007002	reservoir, polycarbonate, with PA protective guard	0,41 kg
R412007006	-	0,723 kg
R412007007	-	0,79 kg
R412007008	-	0,79 kg
R412007009	reservoir, polycarbonate, with PA protective guard	0,361 kg

Part No.	Version	Weight
R412007010	reservoir, polycarbonate, with PA protective guard	0,41 kg
R412007011	reservoir, polycarbonate, with PA protective guard	0,41 kg
R412007015	-	0,716 kg
R412007016	-	0,769 kg
R412007017	-	0,769 kg

Nominal flow Q<sub>n</sub> with secondary pressure p<sub>2</sub> = 6 bar at Δp = 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.

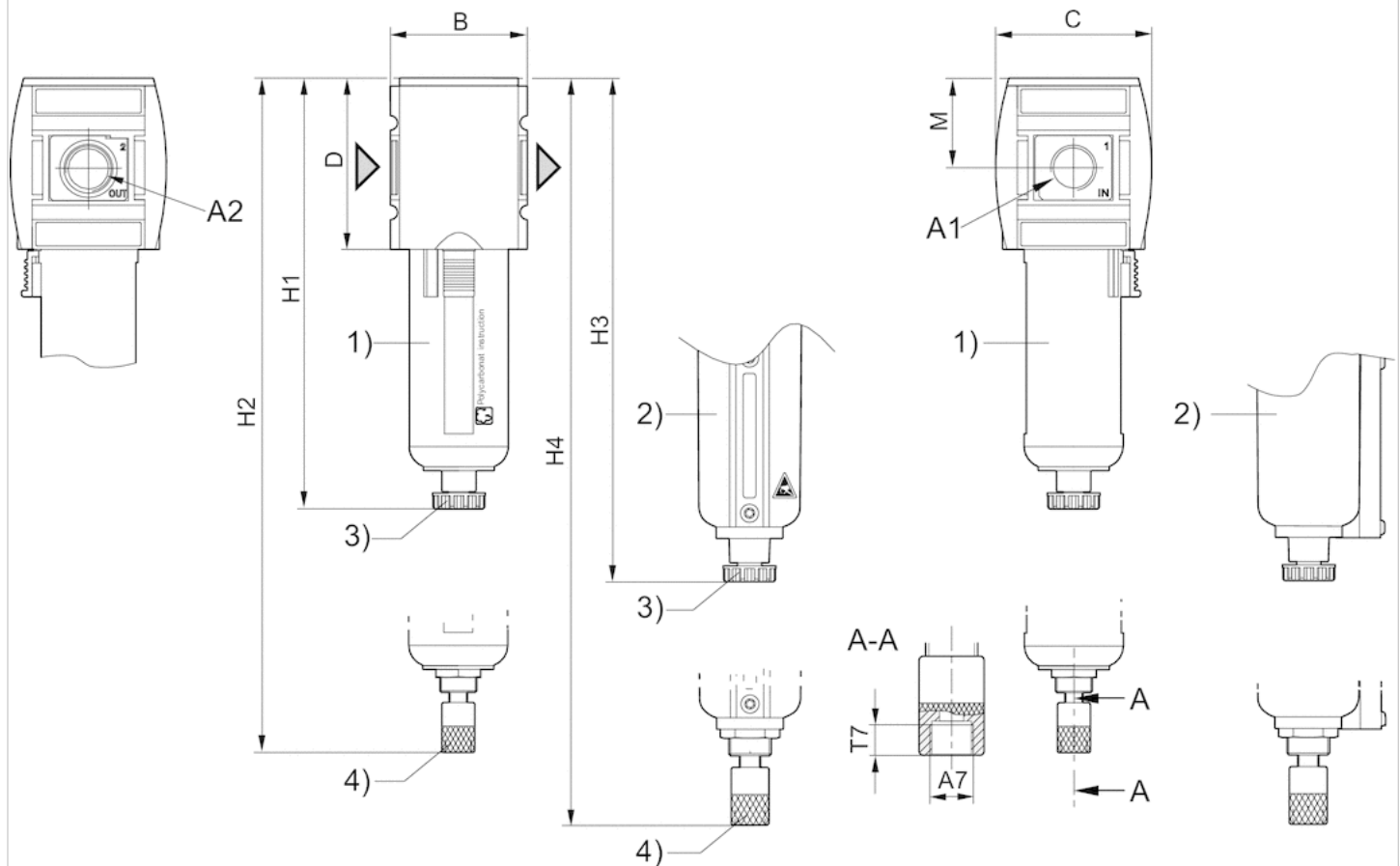
Max. achievable compressed air class acc. to ISO 8573-1:2010 6 : 7 : -

## 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	Polyethylene

## 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

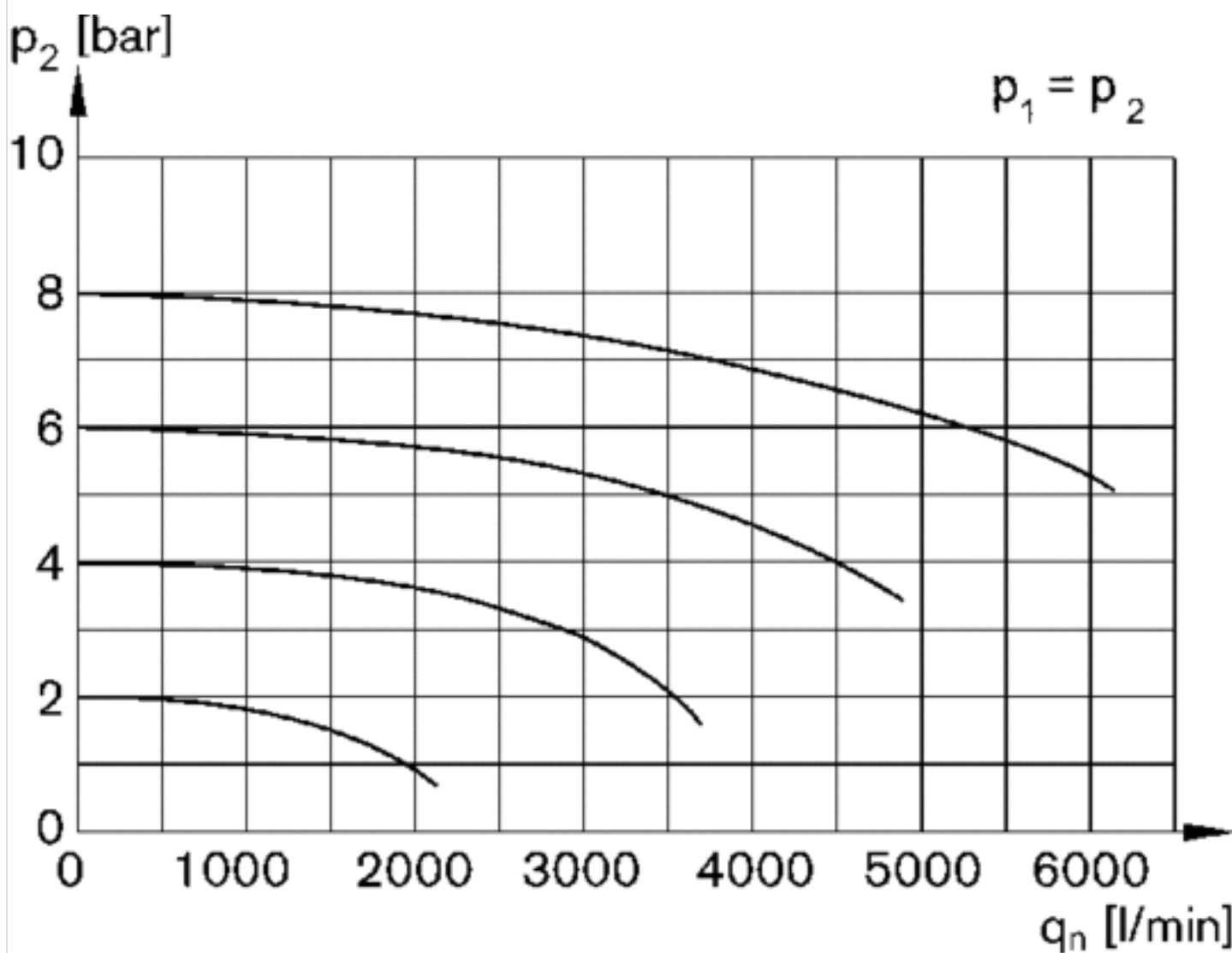
4) Fully automatic condensate drain

## Dimensions in mm

A1	A2	A7	B	C	D	H1	H2	H3	H4	M	T7
G 3/8	G 3/8	G 1/8	63	74	80	189.5	206	193.5	210.5	42.5	8.5
G 1/2	G 1/2	G 1/8	63	74	80	189.5	206	193.5	210.5	42.5	8.5

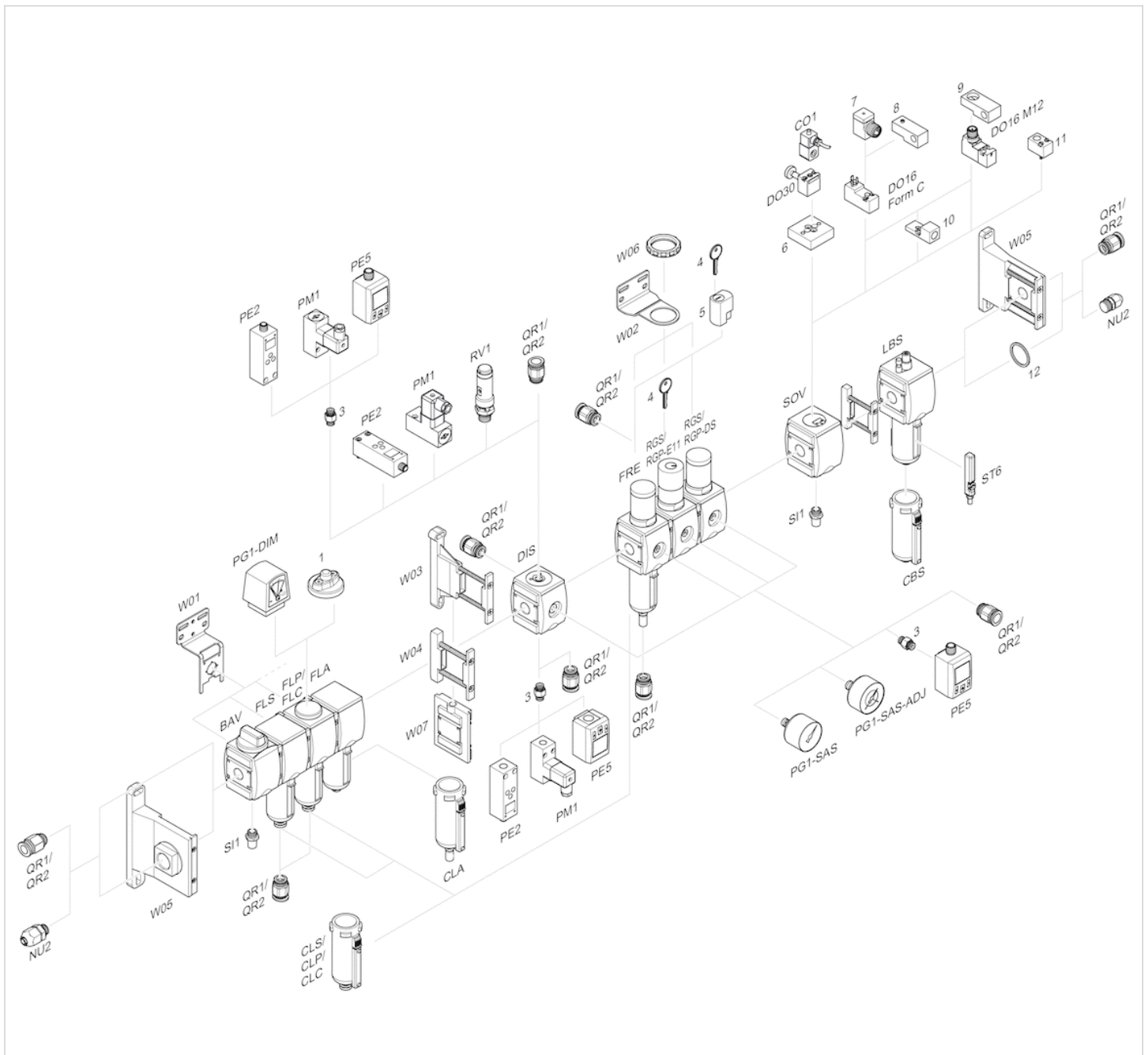
## Diagrams

## 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

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