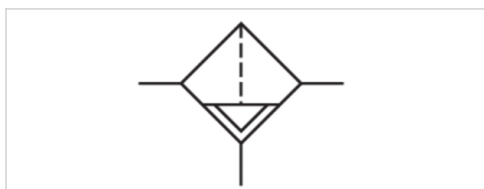


# Filter, Series AS2-FLS

- G 1/4 G 3/8
- filter porosity 5 µm
- 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

Weight

Standard filter, Can be assembled into blocks

Filter

vertical

suitable for ATEX

See table below

-10 ... 50 °C

-10 ... 50 °C

Compressed air Neutral gases

28 cm<sup>3</sup>

exchangeable

5 µm

See table below

See table below

## Technical data

Part No.	Port	Flow Qn	Working pressure min./max.
R412006000	G 1/4	2100 l/min	1,5 ... 16 bar
R412006006	G 1/4	2100 l/min	1,5 ... 16 bar
R412006001	G 1/4	2100 l/min	1,5 ... 16 bar
R412006002	G 1/4	2100 l/min	0 ... 16 bar
R412006007	G 1/4	2100 l/min	1,5 ... 16 bar
R412006008	G 1/4	2100 l/min	0 ... 16 bar
R412006090	G 1/4	2100 l/min	0 ... 16 bar
R412006009	G 3/8	2100 l/min	1,5 ... 16 bar
R412006015	G 3/8	2100 l/min	1,5 ... 16 bar
R412006010	G 3/8	2100 l/min	1,5 ... 16 bar
R412006011	G 3/8	2100 l/min	0 ... 16 bar
R412006016	G 3/8	2100 l/min	1,5 ... 16 bar
R412006017	G 3/8	2100 l/min	0 ... 16 bar

Part No.	Condensate drain	Reservoir
R412006000	semi-automatic, open without pressure	Polycarbonate
R412006006	semi-automatic, open without pressure	Die cast zinc with window
R412006001	fully automatic, open without pressure	Polycarbonate
R412006002	fully automatic, closed without pressure	Polycarbonate
R412006007	fully automatic, open without pressure	Die cast zinc with window
R412006008	fully automatic, closed without pressure	Die cast zinc with window

Part No.	Condensate drain	Reservoir
R412006090	without	Polycarbonate
R412006009	semi-automatic, open without pressure	Polycarbonate
R412006015	semi-automatic, open without pressure	Die cast zinc with window
R412006010	fully automatic, open without pressure	Polycarbonate
R412006011	fully automatic, closed without pressure	Polycarbonate
R412006016	fully automatic, open without pressure	Die cast zinc with window
R412006017	fully automatic, closed without pressure	Die cast zinc with window

Part No.	Protective guard	Material Reservoir	Weight
R412006000	Polyamide	reservoir, polycarbonate, with PA protective guard	0,212 kg
R412006006	-	-	0,443 kg
R412006001	Polyamide	reservoir, polycarbonate, with PA protective guard	0,255 kg
R412006002	Polyamide	reservoir, polycarbonate, with PA protective guard	0,255 kg
R412006007	-	-	0,52 kg
R412006008	-	-	0,53 kg
R412006090	Polyamide	-	0,212 kg
R412006009	Polyamide	reservoir, polycarbonate, with PA protective guard	0,212 kg
R412006015	-	-	0,43 kg
R412006010	Polyamide	reservoir, polycarbonate, with PA protective guard	0,255 kg
R412006011	Polyamide	reservoir, polycarbonate, with PA protective guard	0,255 kg
R412006016	-	-	0,52 kg
R412006017	-	-	0,51 kg

Nominal flow  $Q_n$  with secondary pressure  $p_2 = 6$  bar at  $\Delta p = 1$  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.

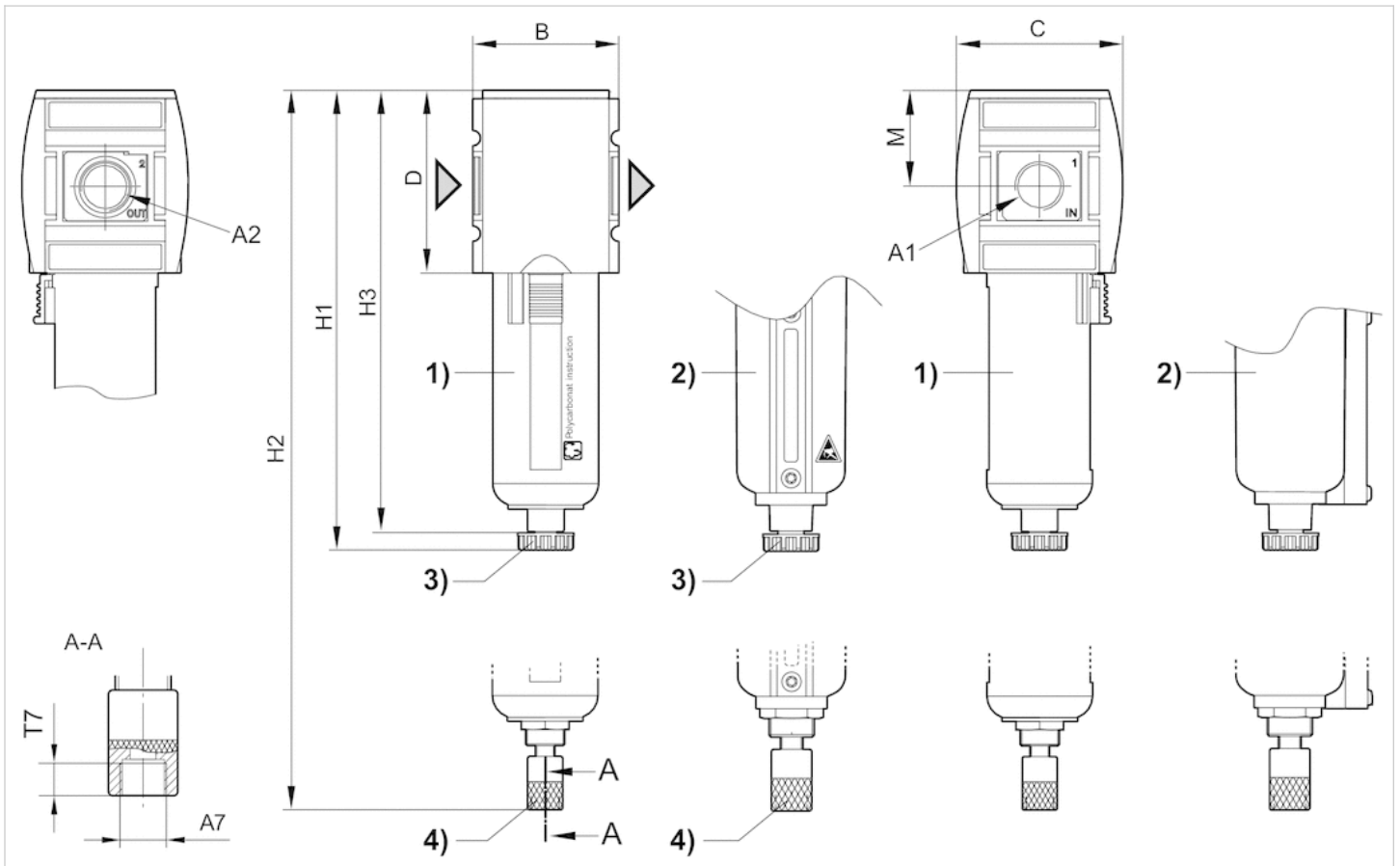
Max. achievable compressed air class acc. to ISO 8573-1:2010 6 : 7 : -

## 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

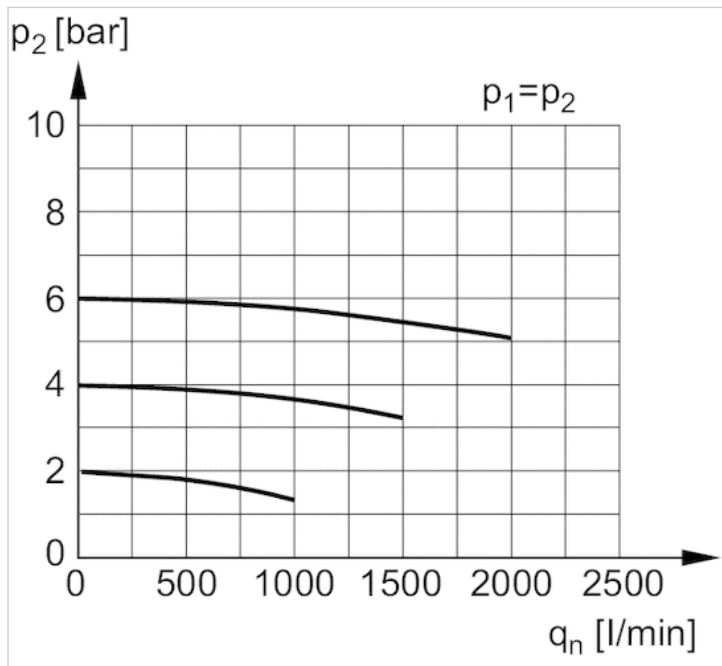
4) Fully automatic condensate drain

### Dimensions in mm

A1	A2	A7	B	C	D	H1	H2	H3	M	T7
G 1/4	G 1/4	G 1/8	52	59	65	163.5	-	-	34	8.5
G 1/4	G 1/4	G 1/8	52	59	65	-	180.5	-	34	8.5
G 1/4	G 1/4	G 1/8	52	59	65	-	-	157	34	8.5
G 3/8	G 3/8	G 1/8	52	59	65	163.5	-	-	34	8.5
G 3/8	G 3/8	G 1/8	52	59	65	-	180.5	-	34	8.5

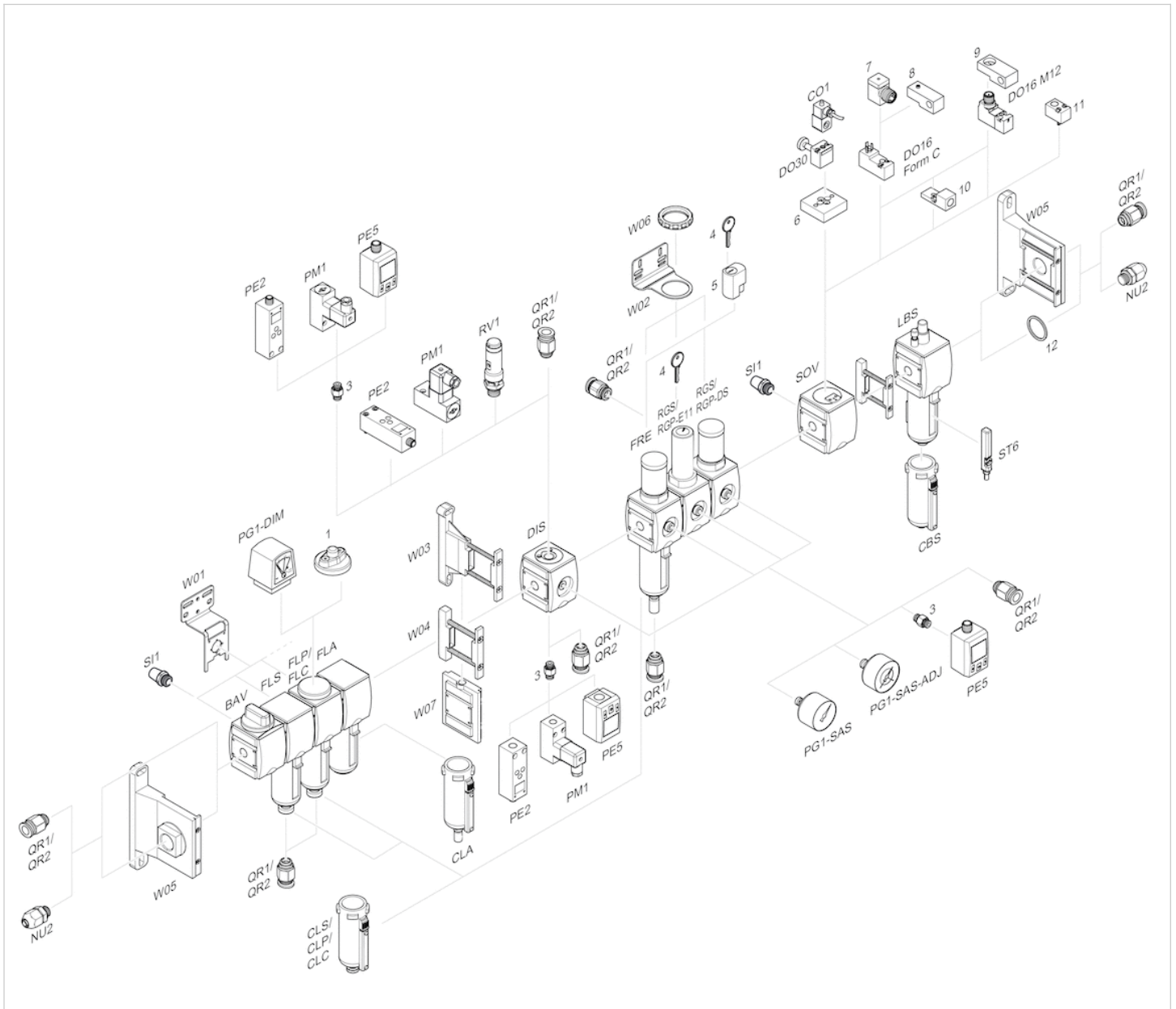
## Diagrams

## 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