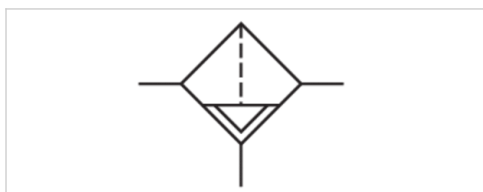


Microfilter, Series AS3-FLC

- G 3/8 G 1/2
- filter porosity 0,01 µm
- contamination display integrated
- suitable for ATEX



| | |
|-------------------------------|---|
| Type | Microfilter, Can be assembled into blocks |
| Parts | Microfilter |
| 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 ³ |
| Filter element | exchangeable |
| filter porosity | 0,01 µm |
| Condensate drain | See table below |
| contamination display | integrated |
| Weight | See table below |

Technical data

| Part No. | Port | Flow Qn | Condensate drain |
|------------|-------|-----------|--|
| R412007054 | G 3/8 | 700 l/min | semi-automatic, open without pressure |
| R412007055 | G 3/8 | 700 l/min | fully automatic, open without pressure |
| R412007056 | G 3/8 | 700 l/min | fully automatic, closed without pressure |
| R412007060 | G 3/8 | 700 l/min | semi-automatic, open without pressure |
| R412007061 | G 3/8 | 700 l/min | fully automatic, open without pressure |
| R412007062 | G 3/8 | 700 l/min | fully automatic, closed without pressure |
| R412007063 | G 1/2 | 700 l/min | semi-automatic, open without pressure |
| R412007064 | G 1/2 | 700 l/min | fully automatic, open without pressure |
| R412007065 | G 1/2 | 700 l/min | fully automatic, closed without pressure |
| R412007069 | G 1/2 | 700 l/min | semi-automatic, open without pressure |
| R412007070 | G 1/2 | 700 l/min | fully automatic, open without pressure |
| R412007071 | G 1/2 | 700 l/min | fully automatic, closed without pressure |

| Part No. | Version | Weight |
|------------|--|----------|
| R412007054 | reservoir, polycarbonate, with PA protective guard | 0,361 kg |
| R412007055 | reservoir, polycarbonate, with PA protective guard | 0,41 kg |
| R412007056 | reservoir, polycarbonate, with PA protective guard | 0,41 kg |
| R412007060 | - | 0,783 kg |
| R412007061 | - | 0,757 kg |
| R412007062 | - | 0,757 kg |

| Part No. | Version | Weight |
|------------|--|----------|
| R412007063 | reservoir, polycarbonate, with PA protective guard | 0,361 kg |
| R412007064 | reservoir, polycarbonate, with PA protective guard | 0,41 kg |
| R412007065 | reservoir, polycarbonate, with PA protective guard | 0,762 kg |
| R412007069 | - | 0,762 kg |
| R412007070 | - | 0,736 kg |
| R412007071 | - | 0,736 kg |

Nominal flow Q_n with secondary pressure $p_2 = 6$ 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.

Recommended pre-filtering 0,3 µm

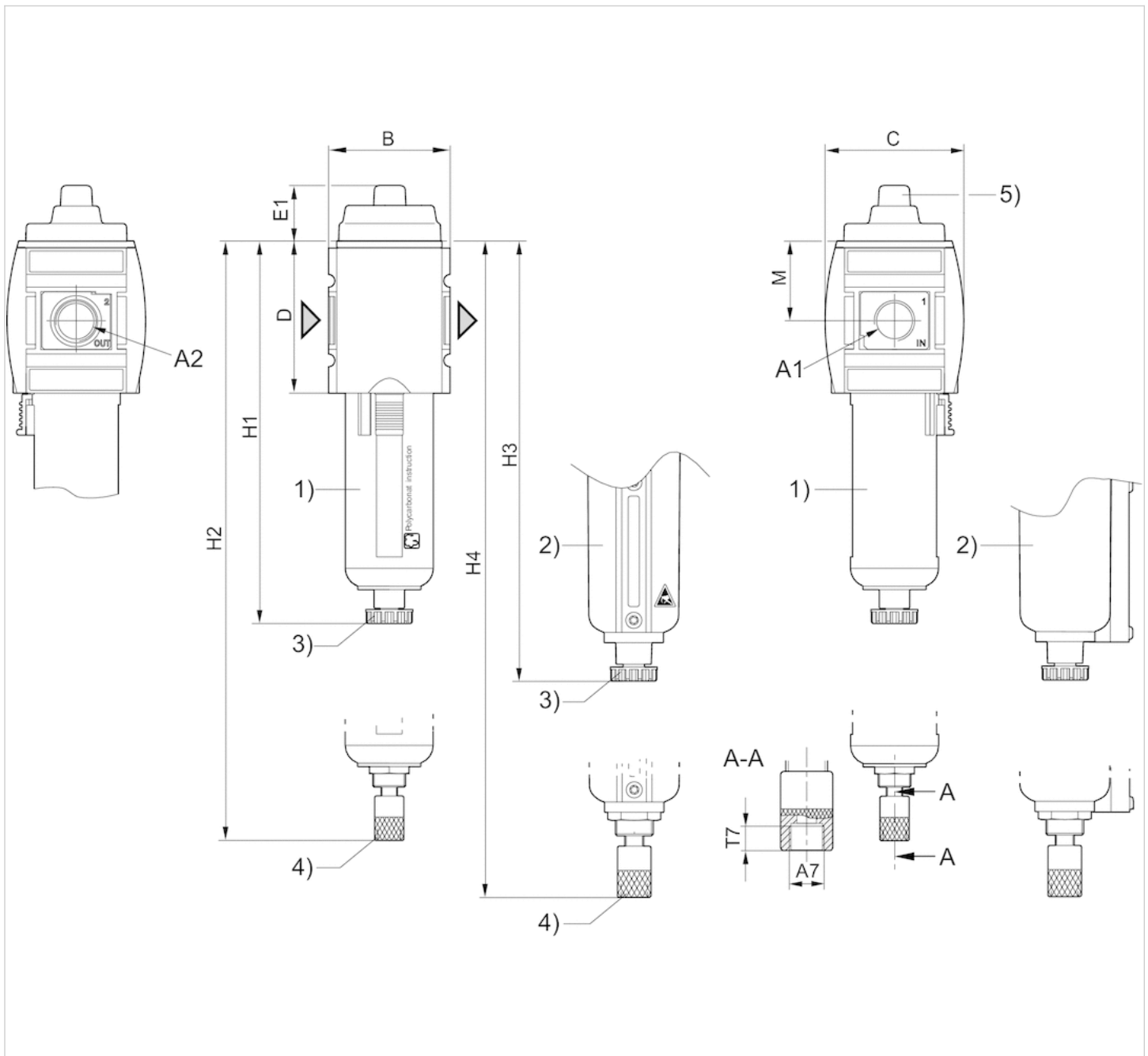
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

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

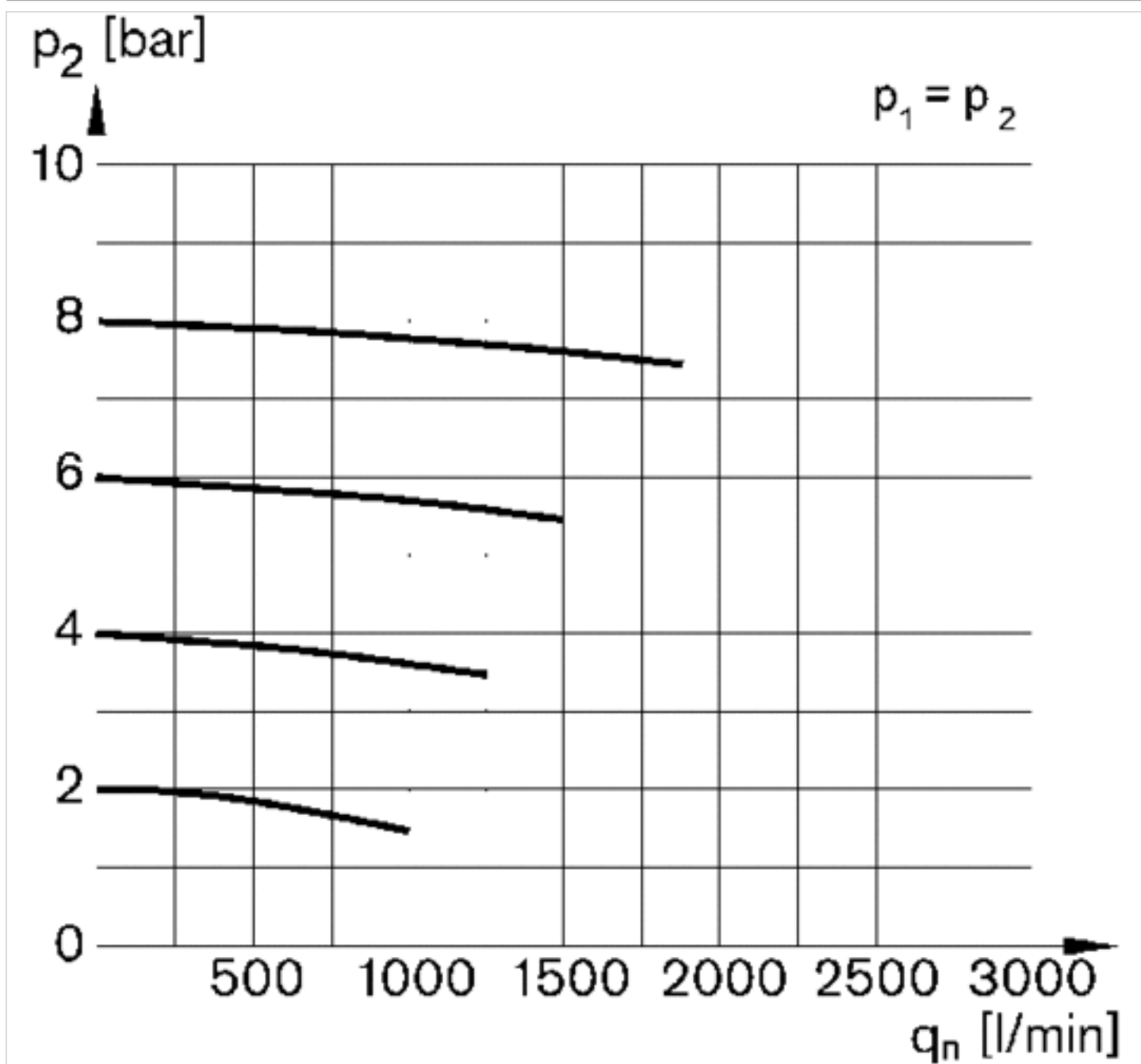
5) contamination display

Dimensions in mm

| A1 | A2 | A7 | B | C | D | E1 | H1 | H2 | H3 | H4 | M | T7 |
|-------|-------|-------|----|----|----|------|-------|-----|-------|-------|------|-----|
| G 3/8 | G 3/8 | G 1/8 | 63 | 74 | 80 | 23.7 | 189.5 | 206 | 193.5 | 210.5 | 42.5 | 8.5 |
| G 1/2 | G 1/2 | G 1/8 | 63 | 74 | 80 | 23.7 | 189.5 | 206 | 193.5 | 210.5 | 42.5 | 8.5 |

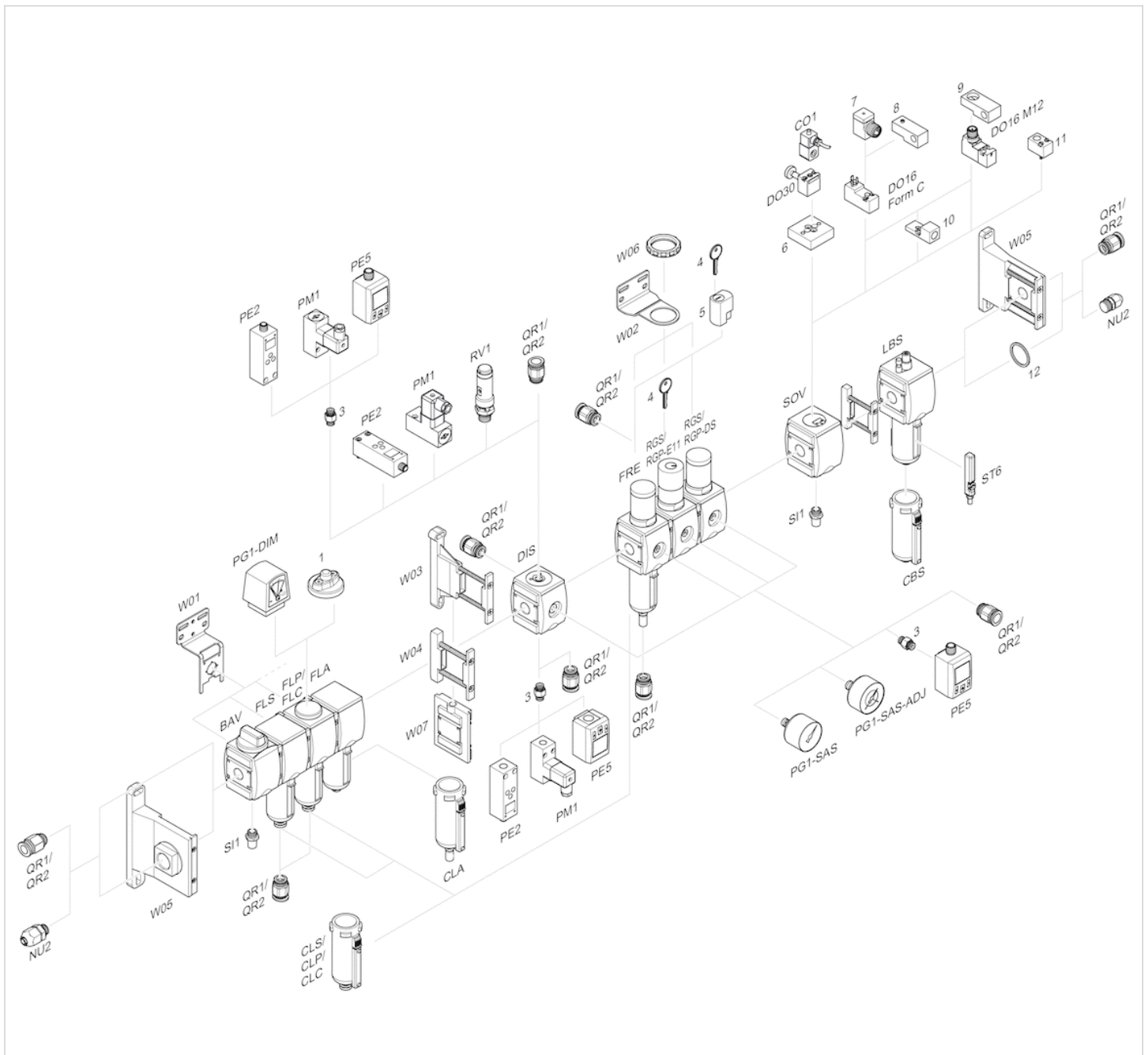
Diagrams

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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