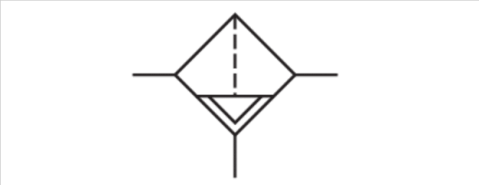
# Microfilter, Series AS2-FLC

- G 1/4 G 3/8
- 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 | 12 cm³ |
| 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 |
|---|---|---|---|
| R412006054 | G 1/4 | 350 l/min | semi-automatic, open without pressure |
| R412006055 | G 1/4 | 350 l/min | fully automatic, open without pressure |
| R412006056 | G 1/4 | 350 l/min | fully automatic, closed without pressure |
| R412006060 | G 1/4 | 350 l/min | semi-automatic, open without pressure |
| R412006061 | G 1/4 | 350 l/min | fully automatic, open without pressure |
| R412006062 | G 1/4 | 350 l/min | fully automatic, closed without pressure |
| R412006063 | G 3/8 | 350 l/min | semi-automatic, open without pressure |
| R412006064 | G 3/8 | 350 l/min | fully automatic, open without pressure |
| R412006065 | G 3/8 | 350 l/min | fully automatic, closed without pressure |
| R412006069 | G 3/8 | 350 l/min | semi-automatic, open without pressure |
| R412006070 | G 3/8 | 350 l/min | fully automatic, open without pressure |
| R412006071 | G 3/8 | 350 l/min | fully automatic, closed without pressure |

| Part No. | Version | Weight | Fig. |
|---|---|---|---|
| R412006054 | reservoir, polycarbonate, with PA protective guard | 0,22 kg | Fig. 1 |
| R412006055 | reservoir, polycarbonate, with PA protective guard | 0,263 kg | Fig. 2 |
| R412006056 | reservoir, polycarbonate, with PA protective guard | 0,263 kg | Fig. 2 |
| R412006060 | - | 0,485 kg | Fig. 1 |
| R412006061 | - | 0,564 kg | Fig. 2 |
| R412006062 | - | 0,569 kg | Fig. 2 |

| Part No. | Version | Weight | Fig. |
|---|---|---|---|
| R412006063 | reservoir, polycarbonate, with PA protective guard | 0,22 kg | Fig. 3 |
| R412006064 | reservoir, polycarbonate, with PA protective guard | 0,263 kg | Fig. 4 |
| R412006065 | reservoir, polycarbonate, with PA protective guard | 0,263 kg | Fig. 4 |
| R412006069 | - | 0,474 kg | Fig. 3 |
| R412006070 | - | 0,554 kg | Fig. 4 |
| R412006071 | - | 0,559 kg | Fig. 4 |

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 0,3 µm

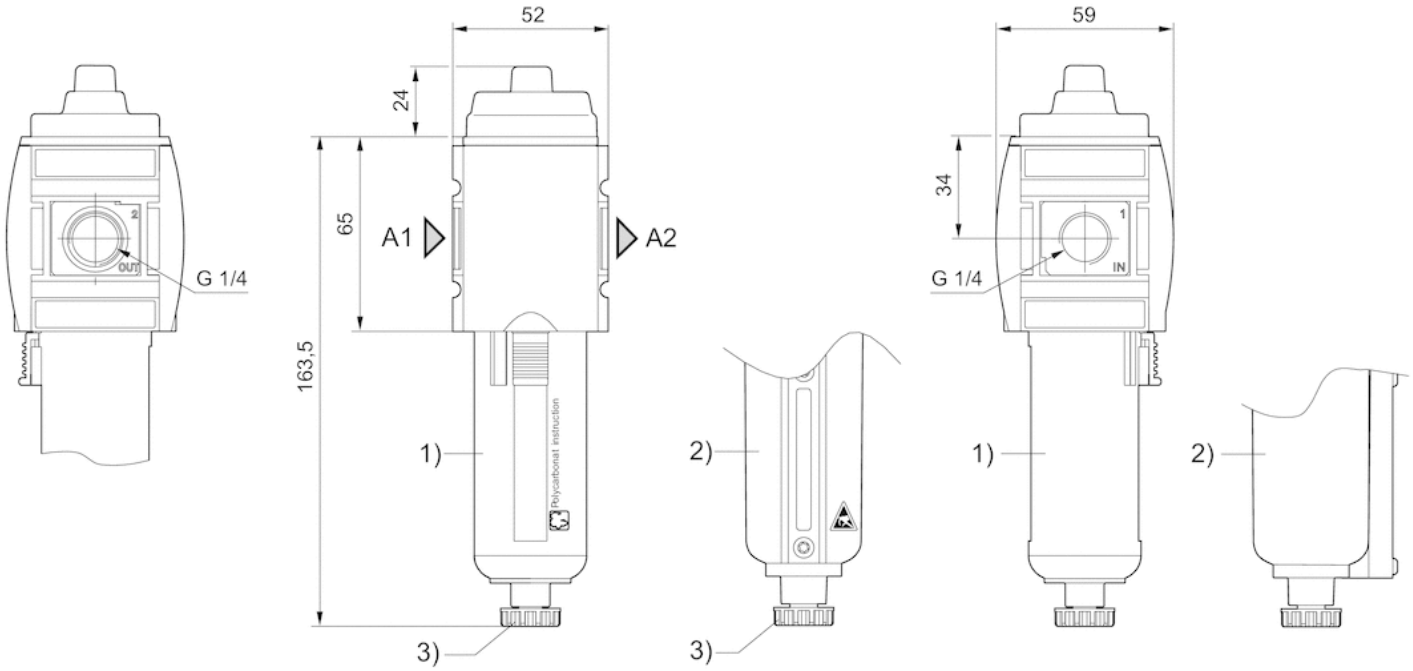
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

## 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 |

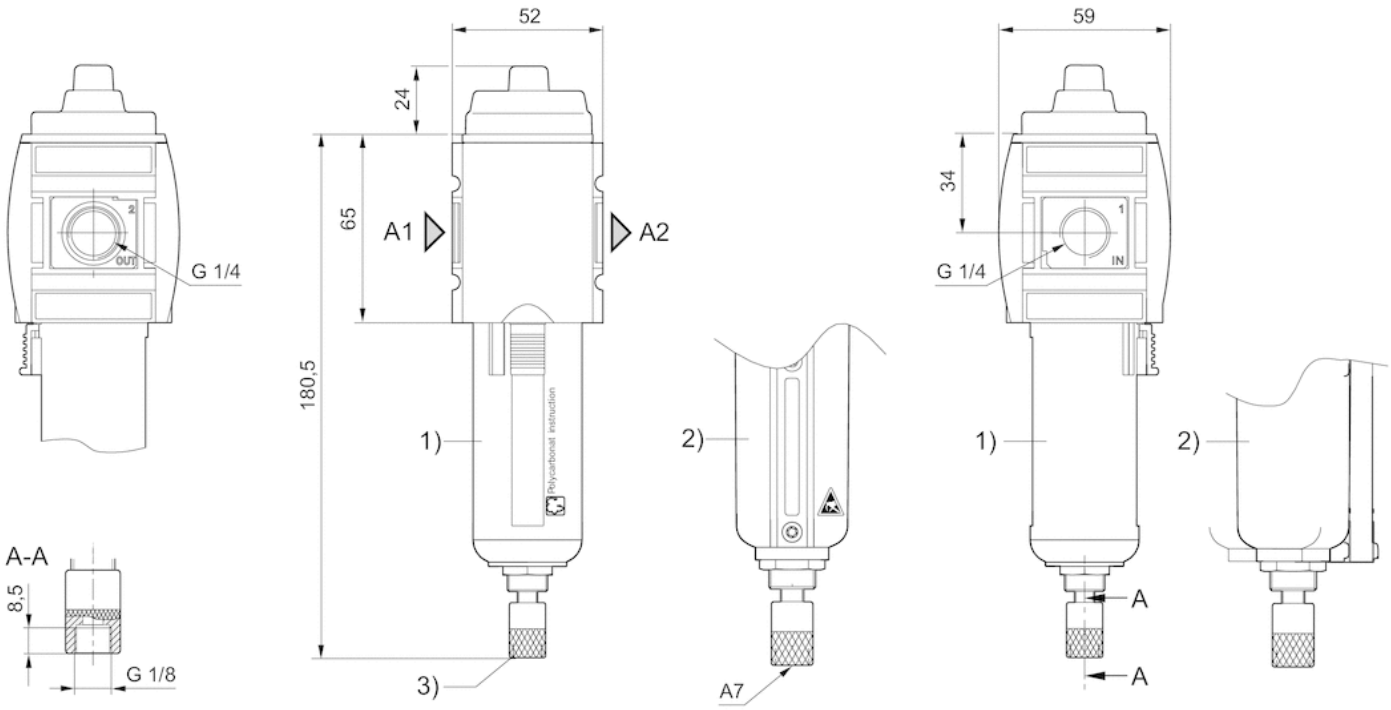
# Dimensions

## Dimensions in mm, Fig. 1



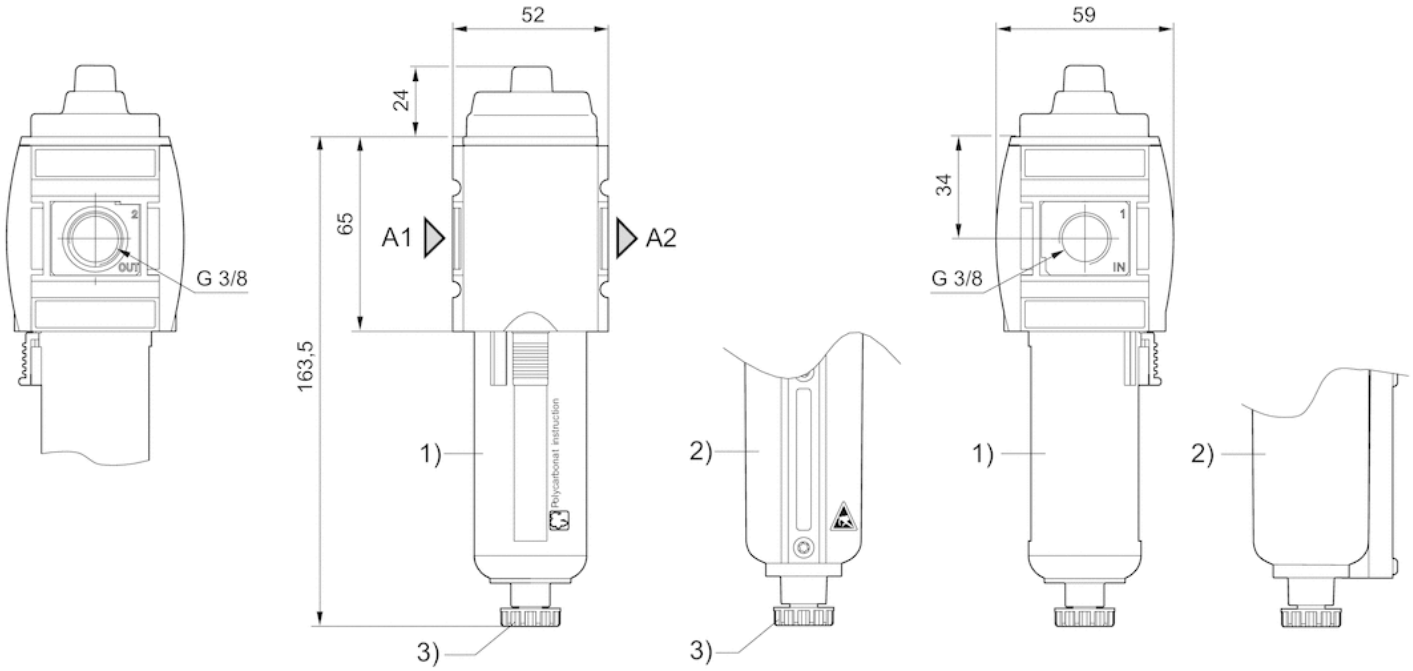

A1 = input
A2 = output
1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass
3) Semi-automatic condensate drain

## Dimensions in mm, Fig. 2



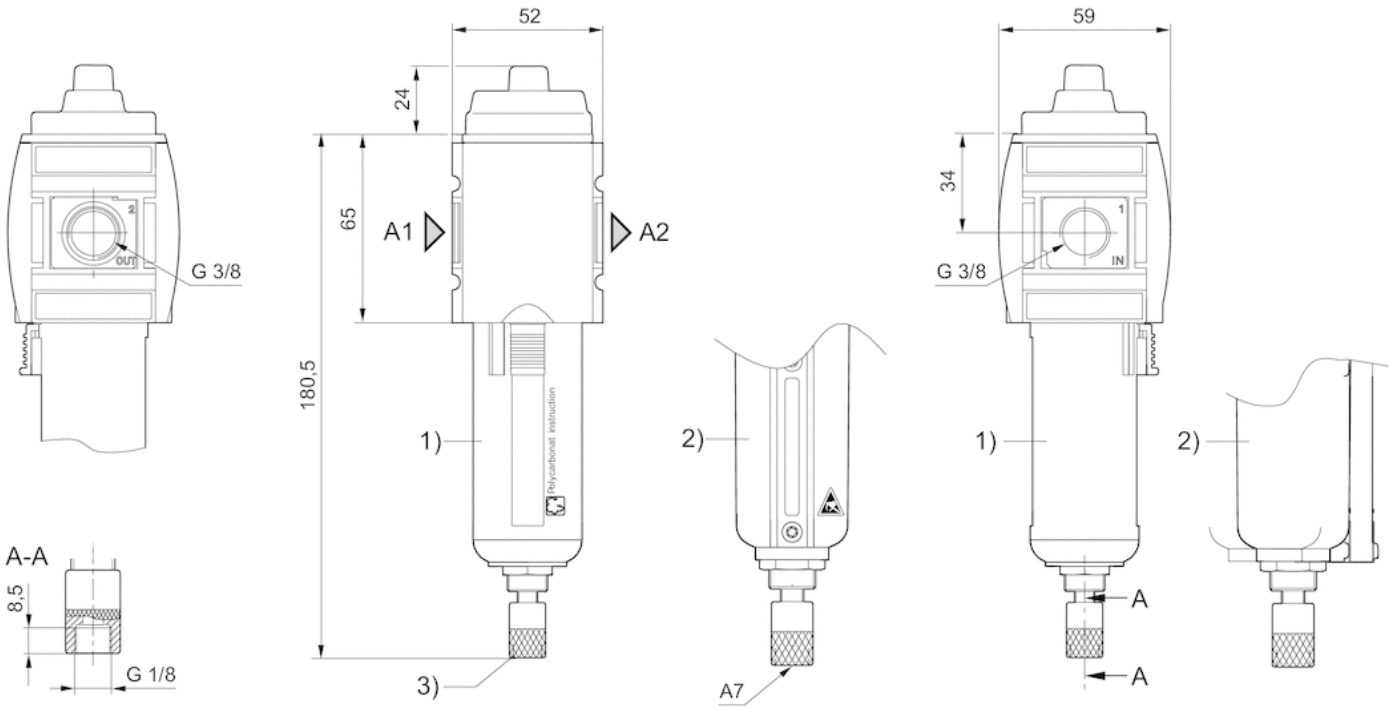

A1 = input
A2 = output
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass
3) Fully automatic condensate drain

## Dimensions in mm, Fig. 3




A1 = input
A2 = output
1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass
3) Semi-automatic condensate drain

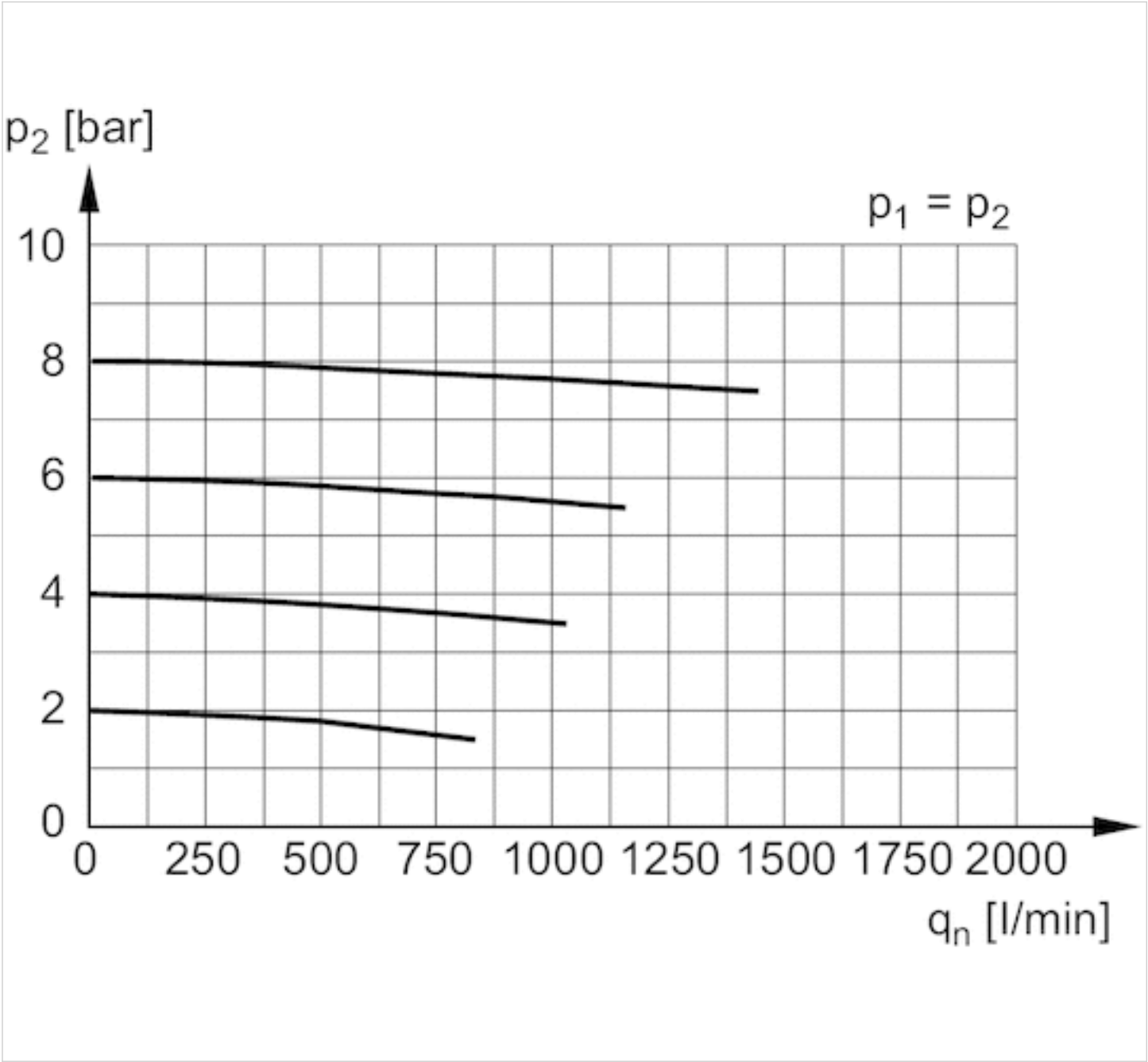
## Dimensions in mm, Fig. 4




A1 = input
A2 = output
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass
3) Fully automatic condensate drain

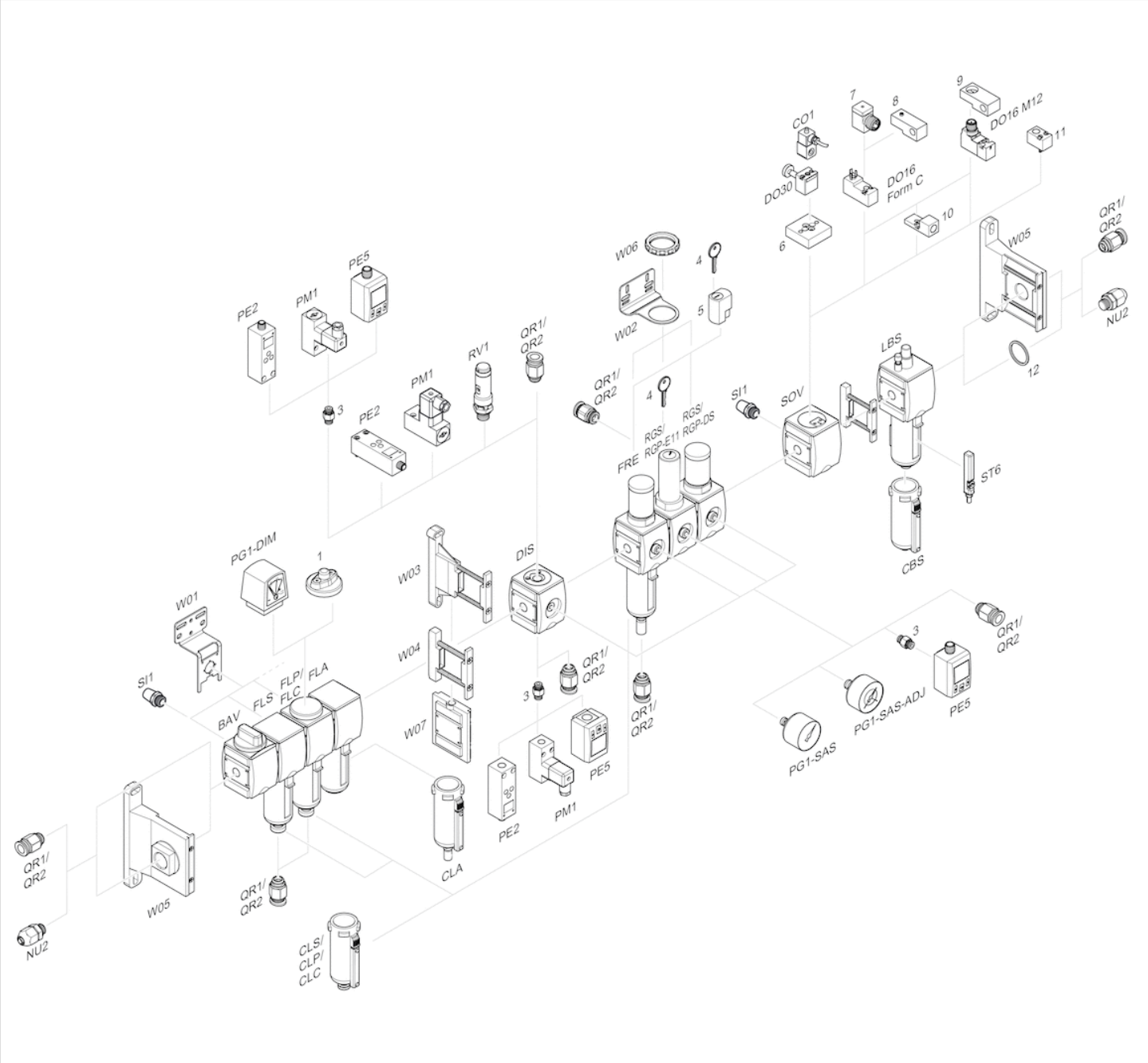
## Diagrams

### Flow rate characteristic



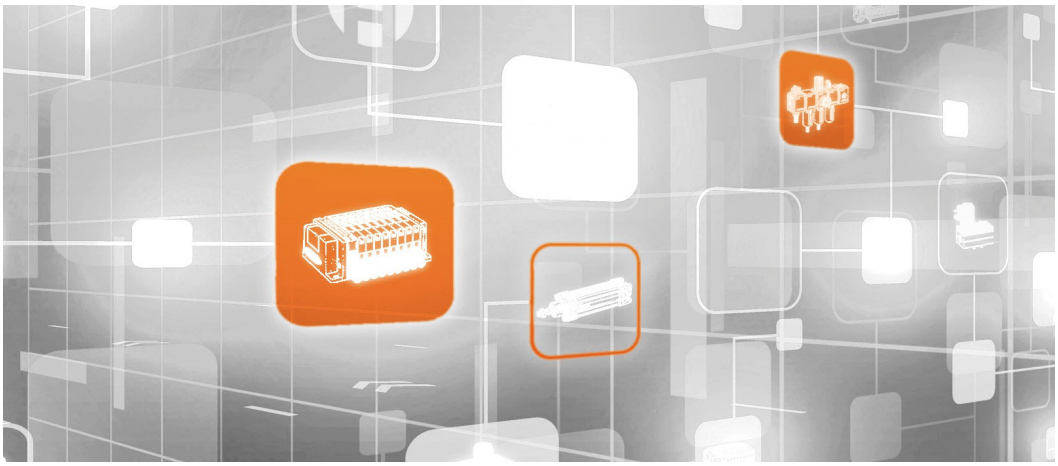

p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

# 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

# Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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