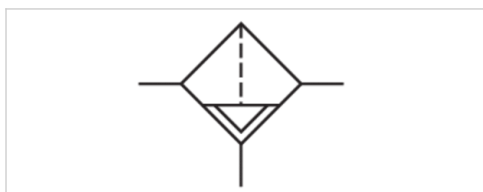


# Microfilter, Series AS2-FLC

- 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 cm <sup>3</sup>
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  $Q_n$  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

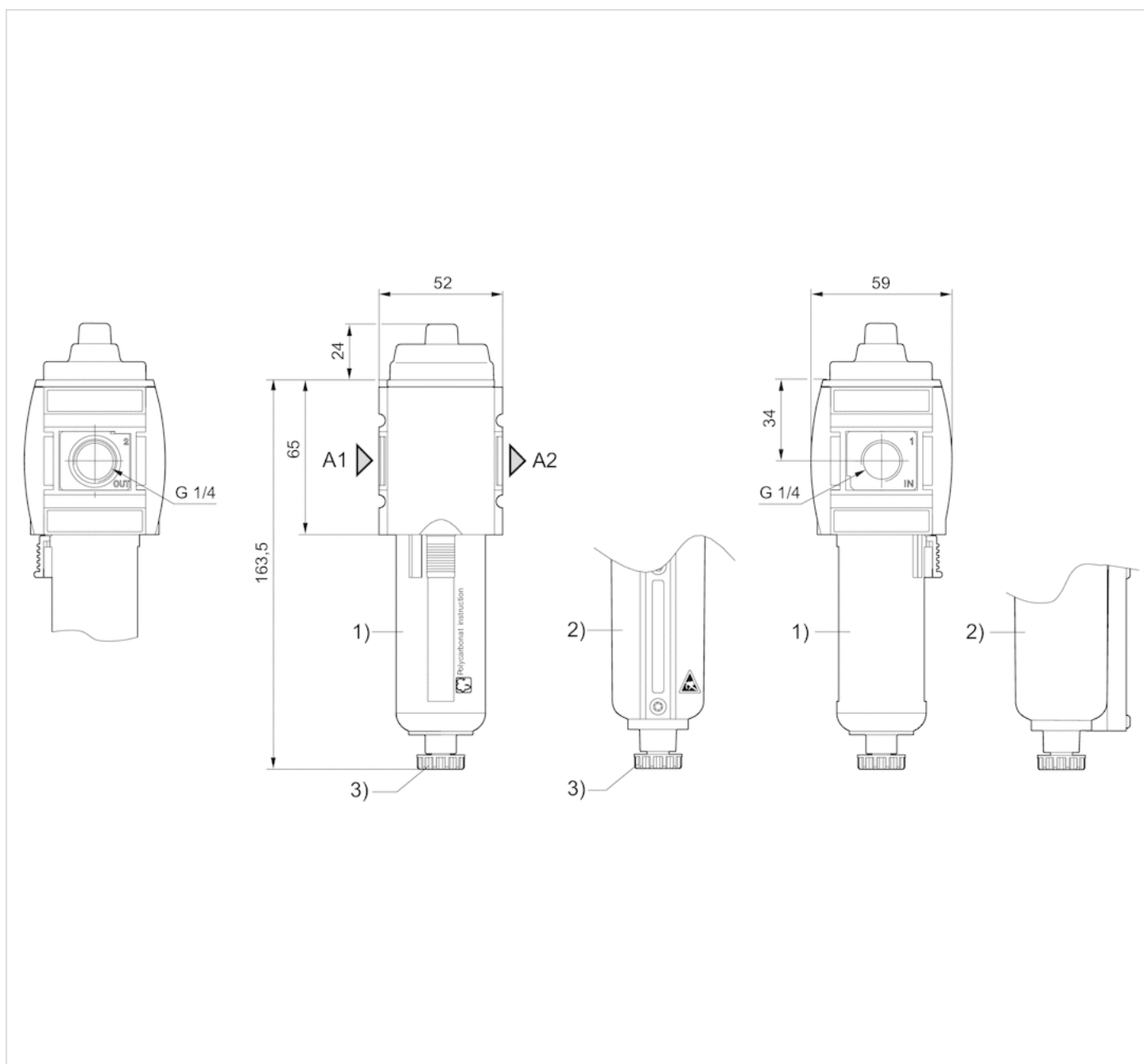
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

## 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 in mm, Fig. 1



A1 = input

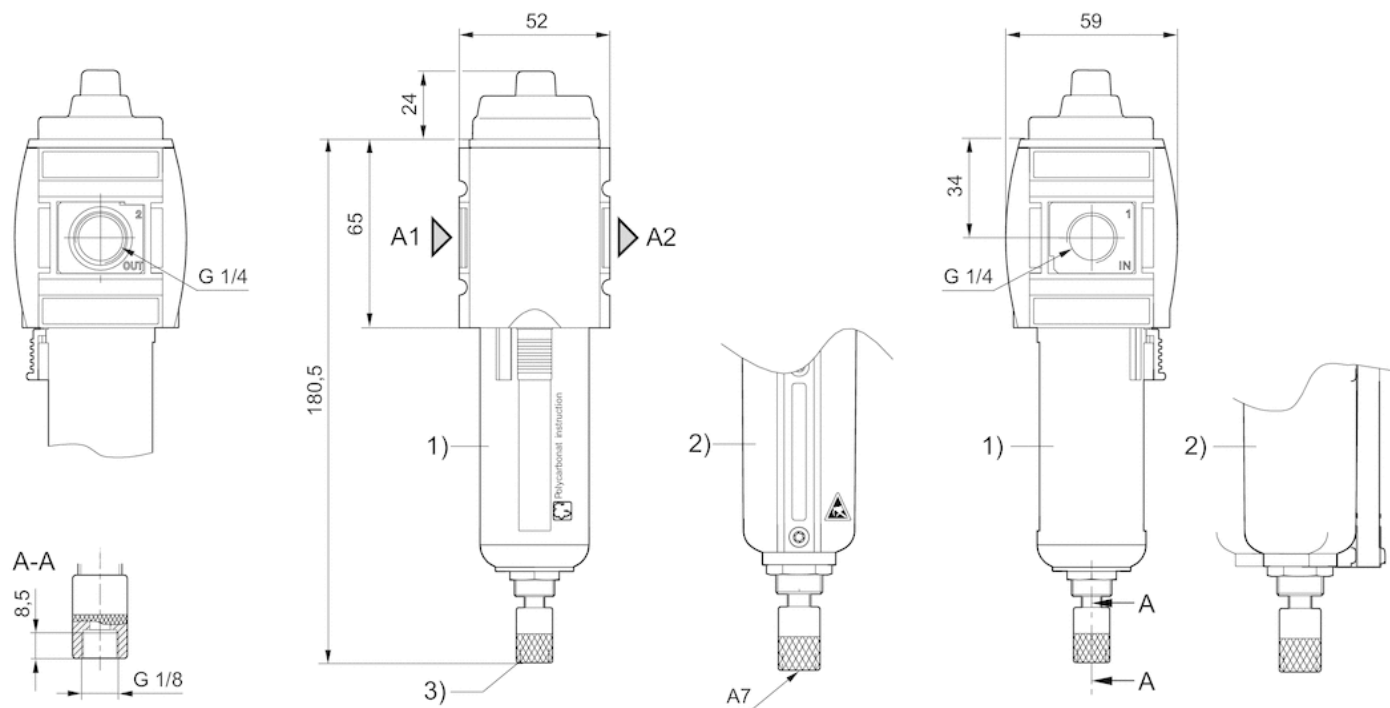
A2 = output

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

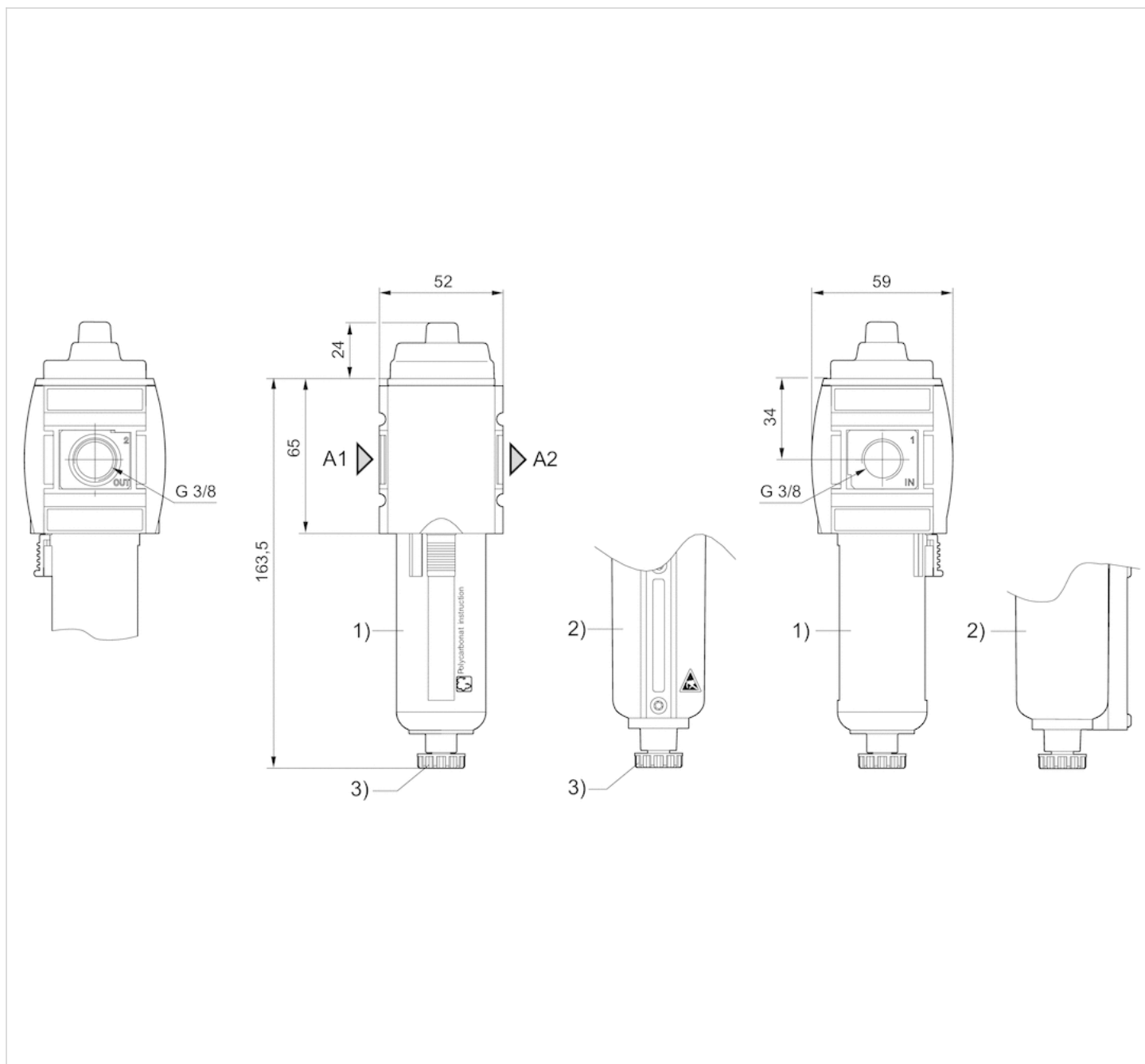
A7 = condensate drain

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

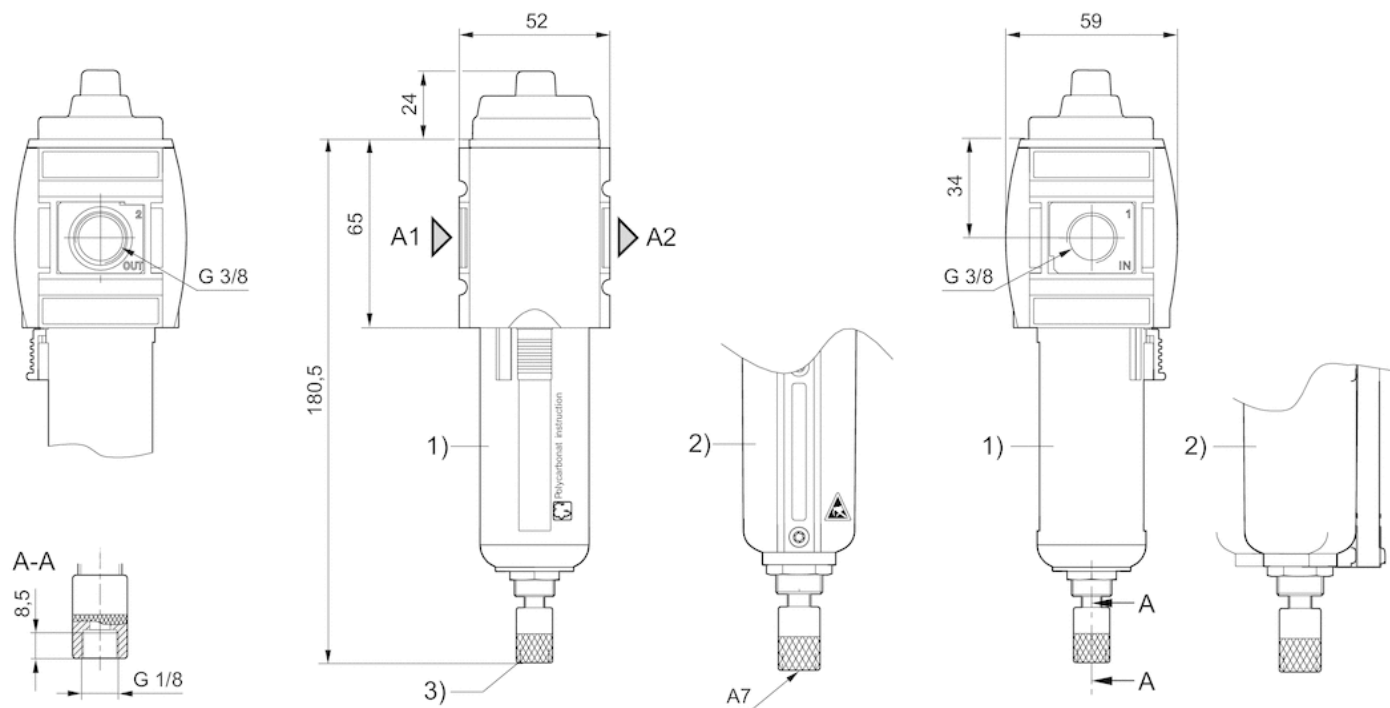
A2 = output

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

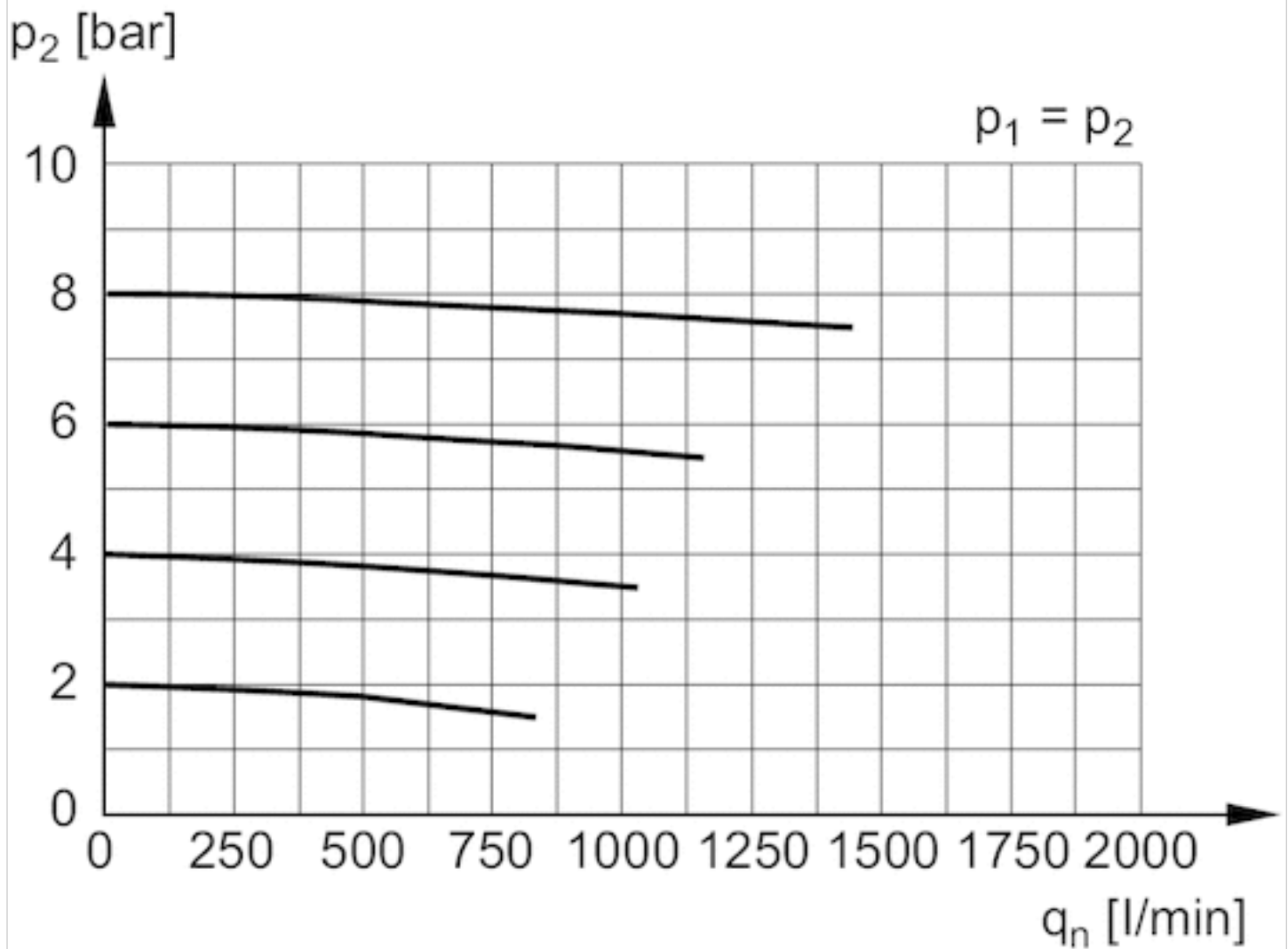
1) Plastic reservoir and protective guard with window

2) Metal reservoir with inspection glass

3) Fully automatic condensate drain

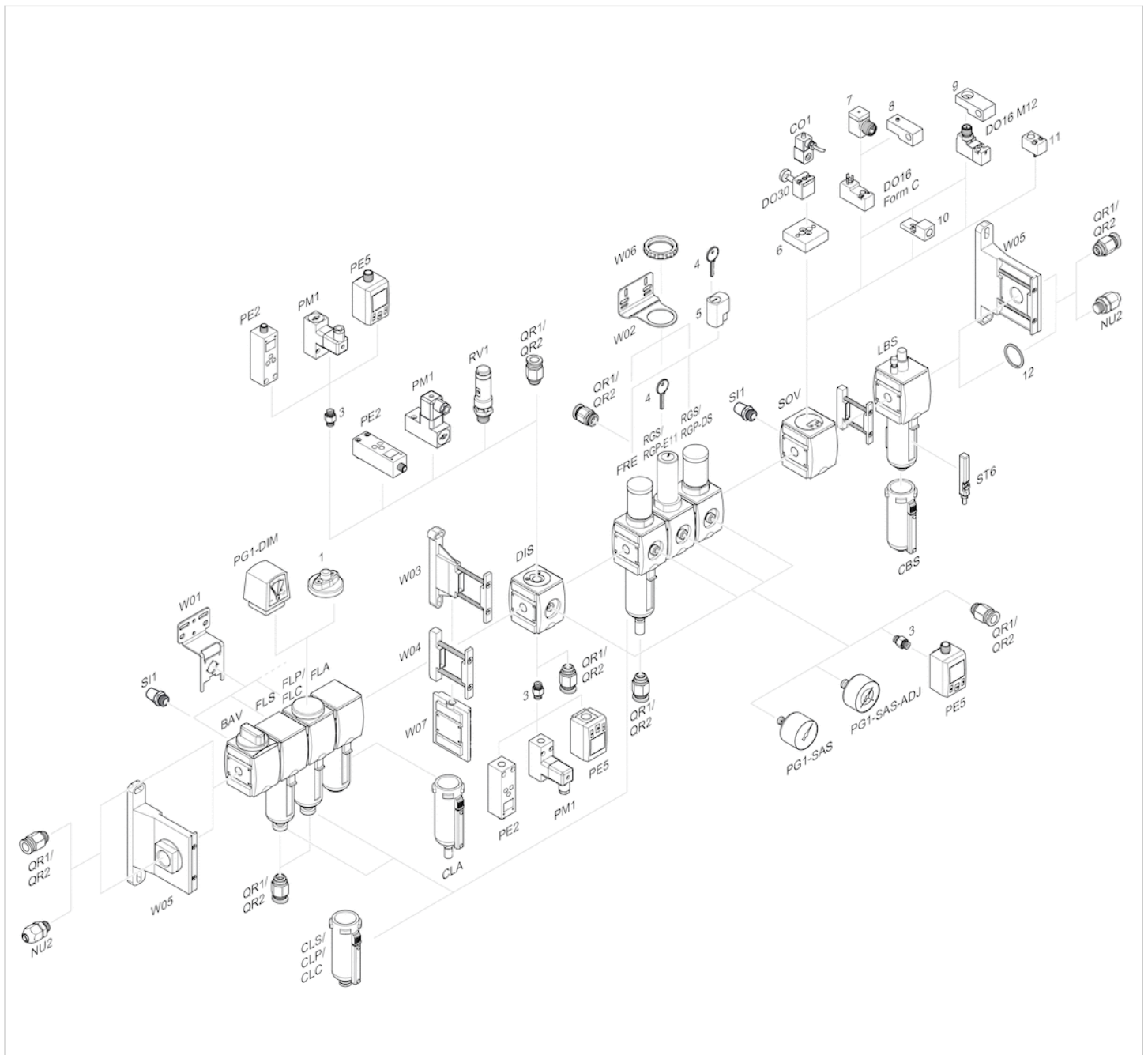
## Diagrams

## Flow rate characteristic



$p_1$  = 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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