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Microfilter, Series NL1-FLC

- G 1/8
- filter porosity 0,01 µm
- suitable for ATEX

Version	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 ... 60 °C
Medium temperature min./max.	-10 ... 60 °C
Medium	Compressed air Neutral gases
Filter reservoir volume	16 cm³
Filter element	exchangeable
filter porosity	0,01 µm
Condensate drain	See table
Weight	See table

Technical data

Part No.	Port	Qn	Condensate drain	Weight
0821303716	G 1/8	170 l/min	semi-automatic, open without pressure	0,21 kg
0821303717	G 1/8	170 l/min	fully automatic, open without pressure	0,263 kg
0821303718	G 1/4	450 l/min	semi-automatic, open without pressure	0,23 kg

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
Suitable for use in Ex zones 1, 2, 21, 22
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
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.

Recommended pre-filtering 0,3 µm

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

Technical information

Material	
Housing	Die cast zinc
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate
Filter insert	Borosilicate glass fiber

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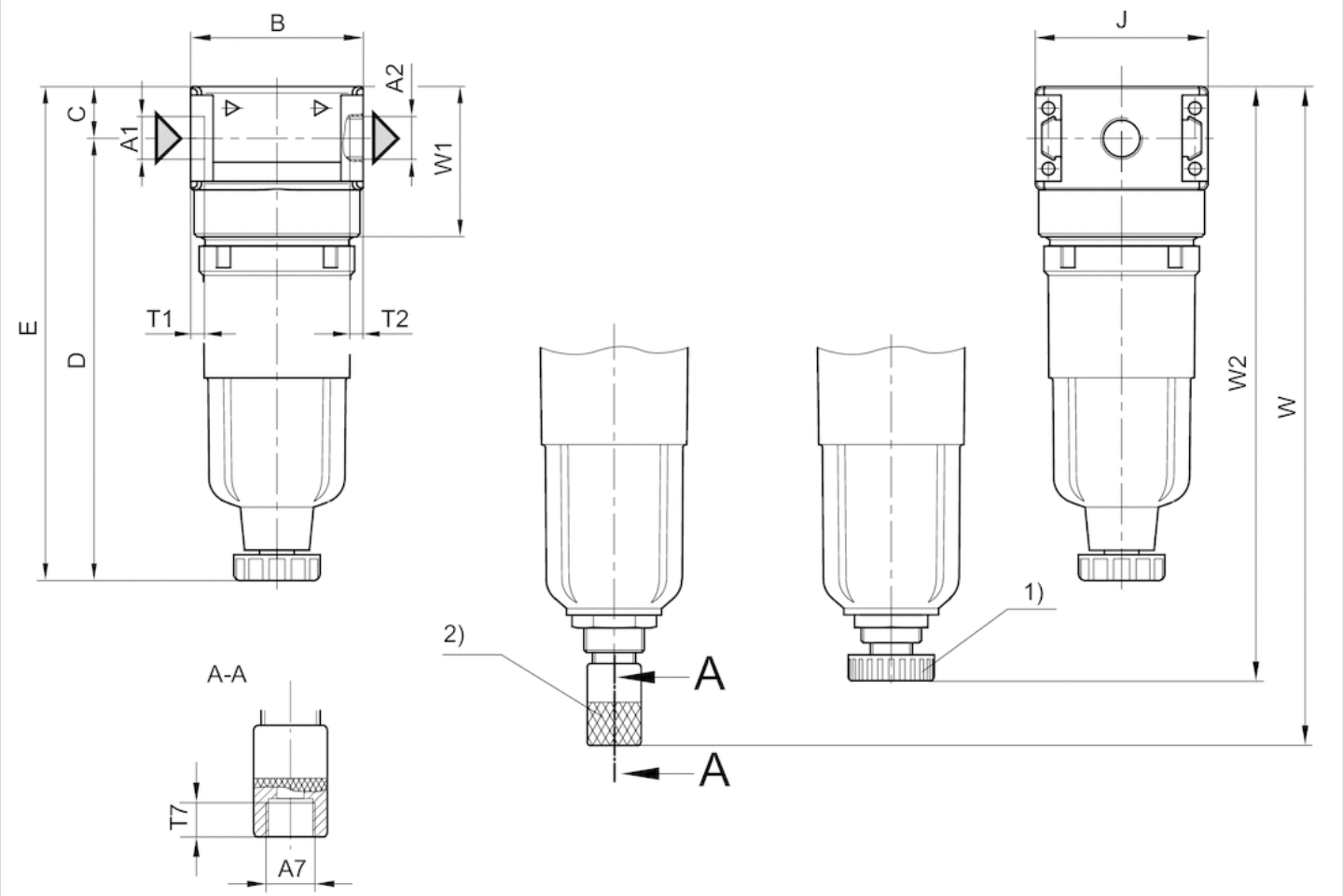
Dimensions

Dimensions



A1 = inputA2 = output
1) Semi-automatic condensate drain2) fully automatic condensate drain

Dimensions in mm

A1	A2	A7	B	C	D	E	J	T1	T2	T7	W	W1	W2
G 1/8	G 1/8	G 1/8	40	12.3	102.5	114.8	40	8	8	8.5	153	35.1	–
G 1/8	G 1/8	G 1/8	40	12.3	102.5	114.8	40	8	8	8.5	153	35.1	–
G 1/4	G 1/4	G 1/8	40	12.3	–	–	40	8	8	8.5	–	35.1	138

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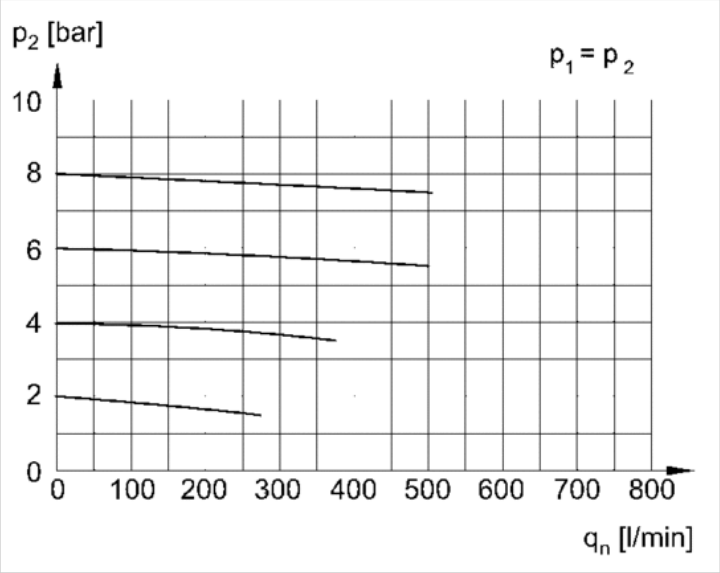
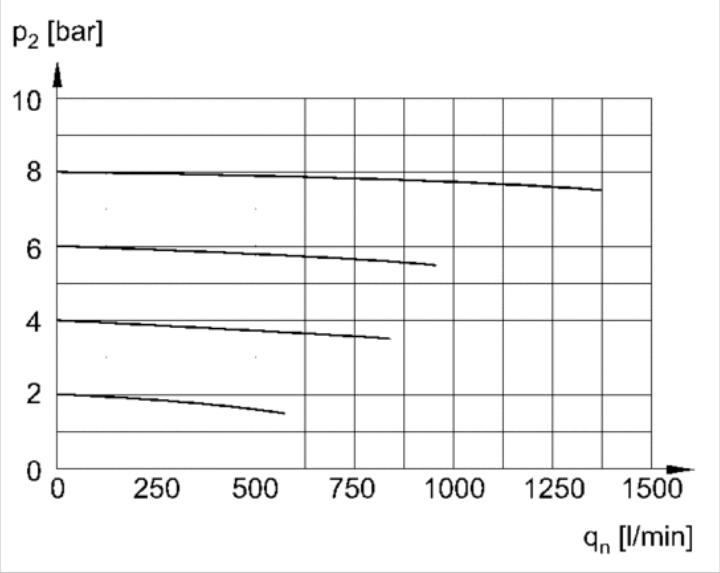
Diagrams

Flow rate characteristic G1/8



p2 = secondary pressureqn = nominal flow

Flow rate characteristic G1/4



p2 = secondary pressureqn = nominal flow