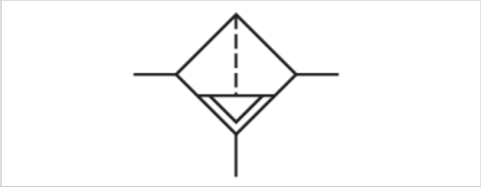
Microfilter, Series NL1-FLC

- G 1/8 G 1/4
- filter porosity 0,01 µm
- 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 ... 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 below
Weight	See table below

Technical data

Part No.	Port	Flow 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

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 .
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.

Recommended pre-filtering 0,3 µm

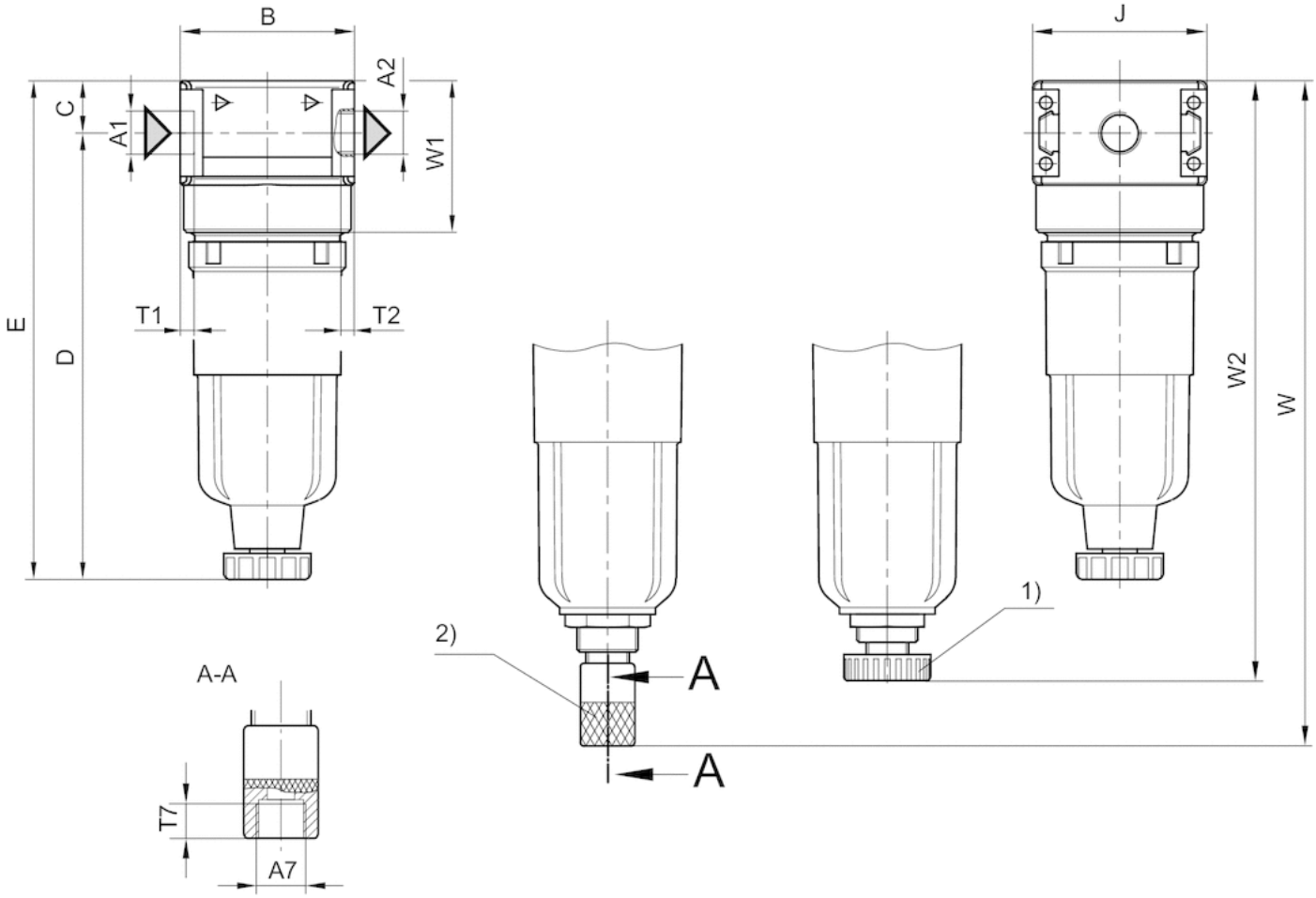
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

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

Dimensions

Dimensions



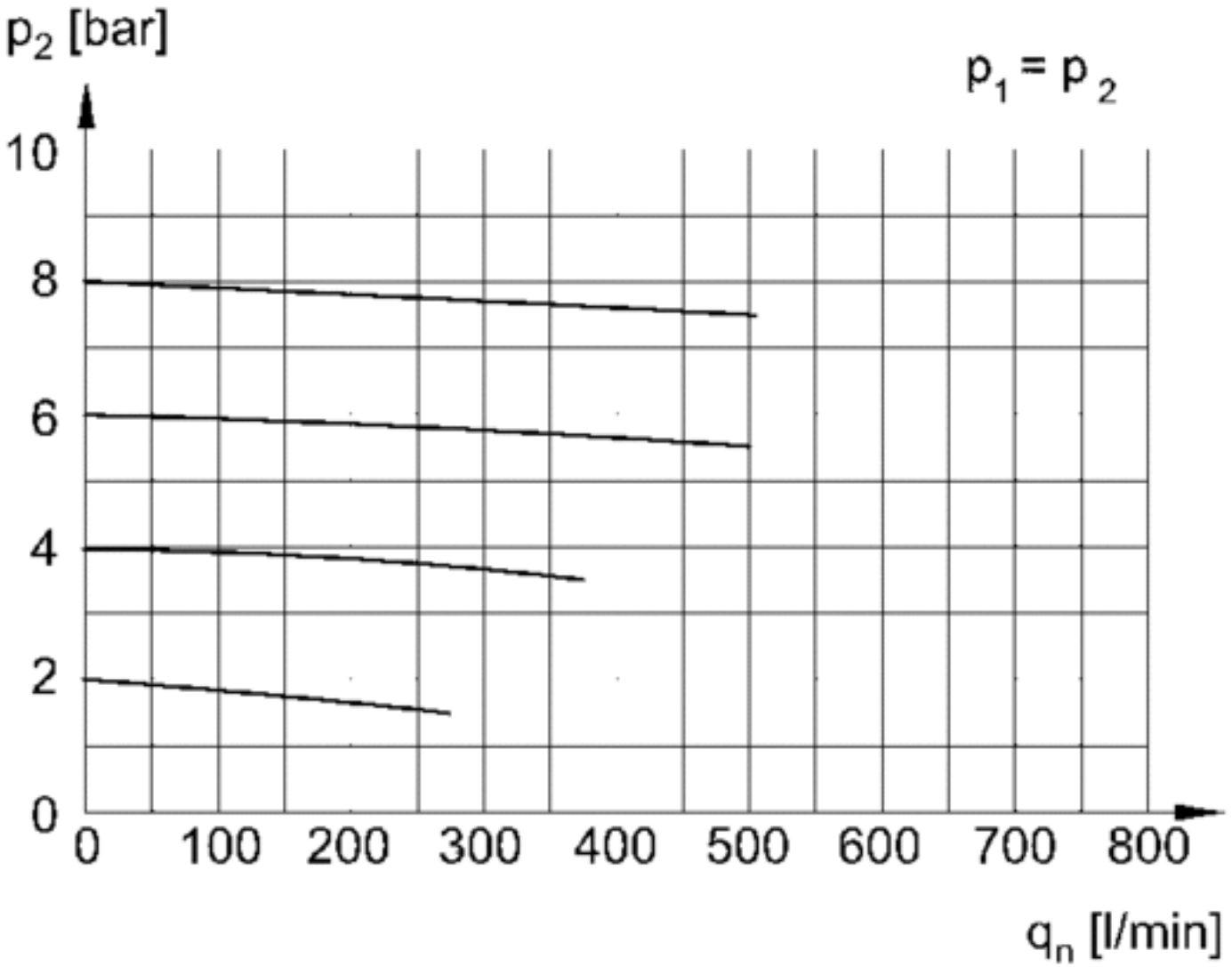
A1 = input
A2 = output
1) Semi-automatic condensate drain
2) fully automatic condensate drain

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 1/4	G 1/4	G 1/8	40	12.3	–	–	40	8	8	8.5	–	35.1	138

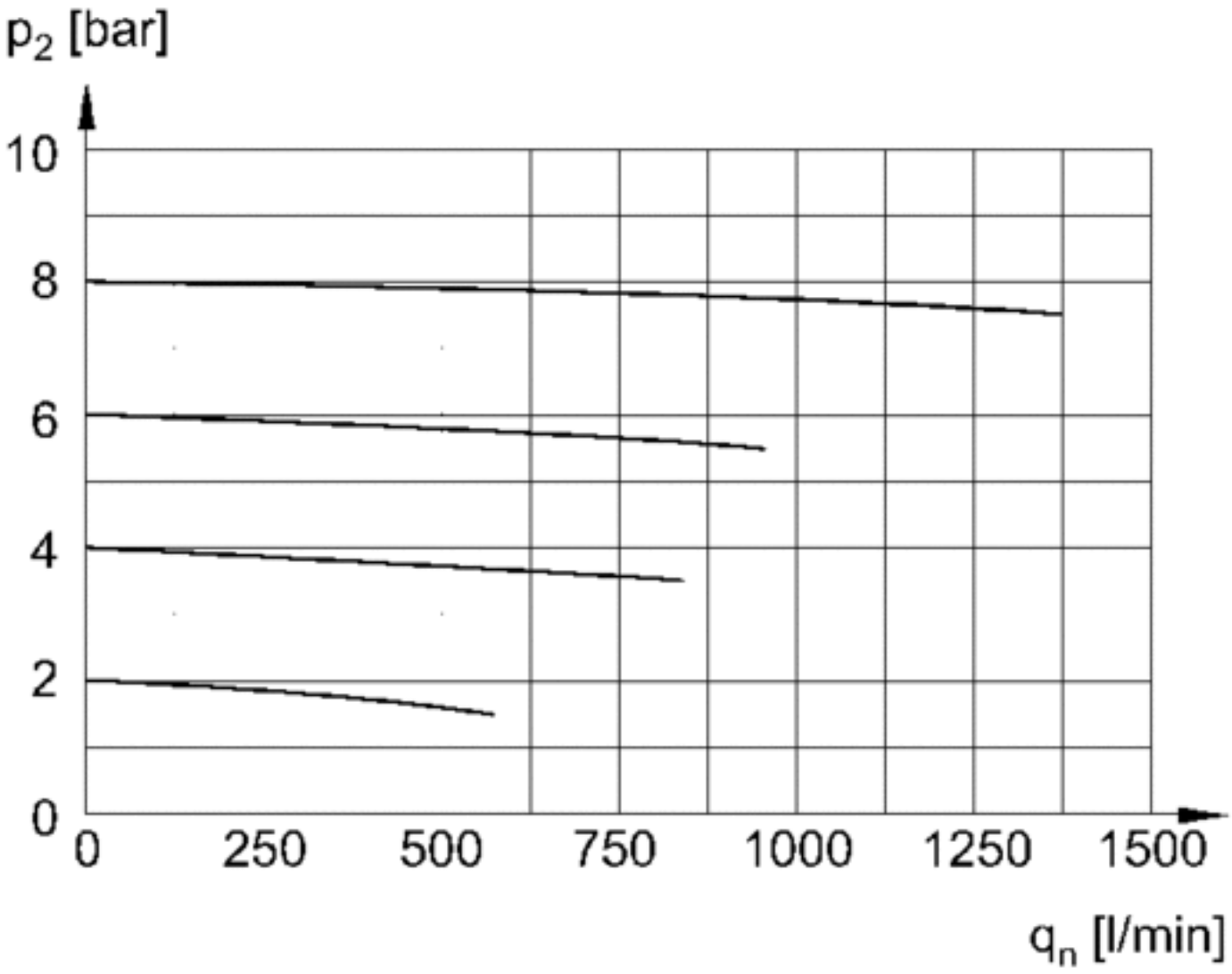
Diagrams

Flow rate characteristic G1/8



p2 = secondary pressure
qn = nominal flow

Flow rate characteristic G1/4



p2 = secondary pressure
qn = nominal flow

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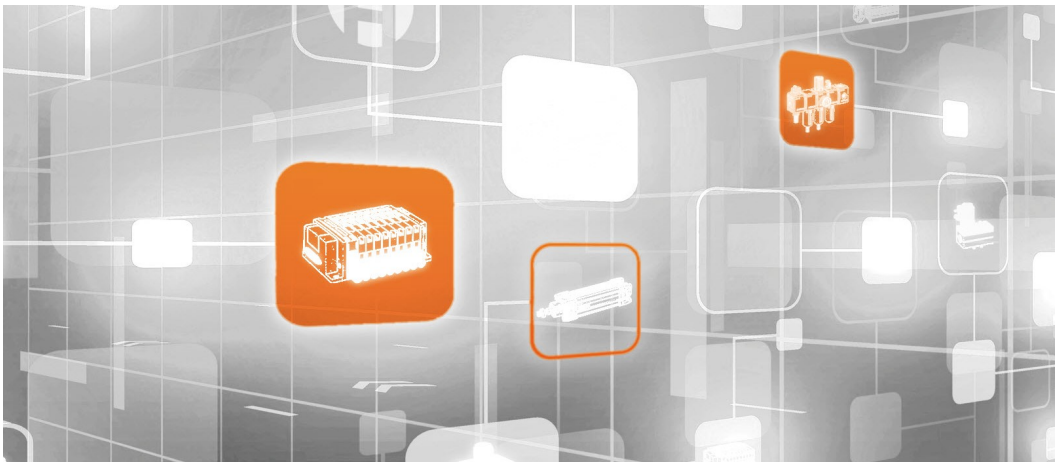

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