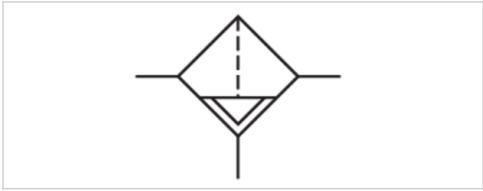
Microfilter, Series NL2-FLC

- 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	10 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
0821303449	G 1/4	280 l/min	semi-automatic, open without pressure
R412010787	G 1/4	280 l/min	semi-automatic, open without pressure
R412010788	G 1/4	280 l/min	semi-automatic, open without pressure
R412010786	G 1/4	280 l/min	fully automatic, open without pressure
0821303305	G 1/4	280 l/min	fully automatic, open without pressure
R412010789	G 1/4	280 l/min	fully automatic, open without pressure
R412010790	G 1/4	280 l/min	fully automatic, open without pressure

Part No.	Version	Weight
0821303449	-	0,45 kg
R412010787	reservoir, polycarbonate, with metal protective guard	0,45 kg
R412010788	reservoir, metal, with inspection glass	0,45 kg
R412010786	Metal reservoir without window	0,482 kg
0821303305	-	0,482 kg
R412010789	reservoir, polycarbonate, with metal protective guard	0,482 kg
R412010790	reservoir, metal, with inspection glass	0,482 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.
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.
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

Recommended pre-filtering 0,3 µm

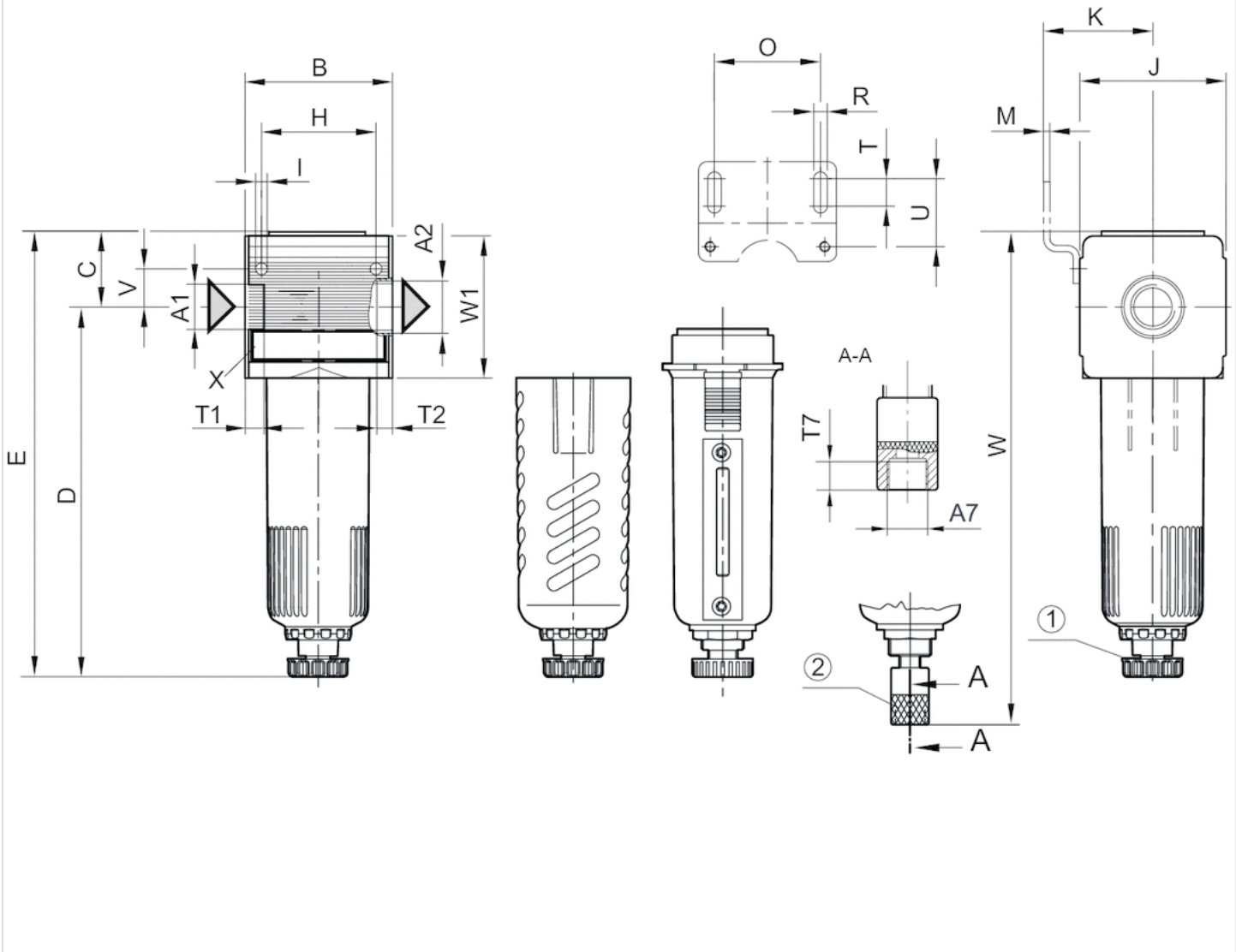
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

Technical information

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

Dimensions

Dimensions



A1 = input
A2 = output
A7 = condensate drain
1) Semi-automatic condensate drain
2) fully automatic condensate drain

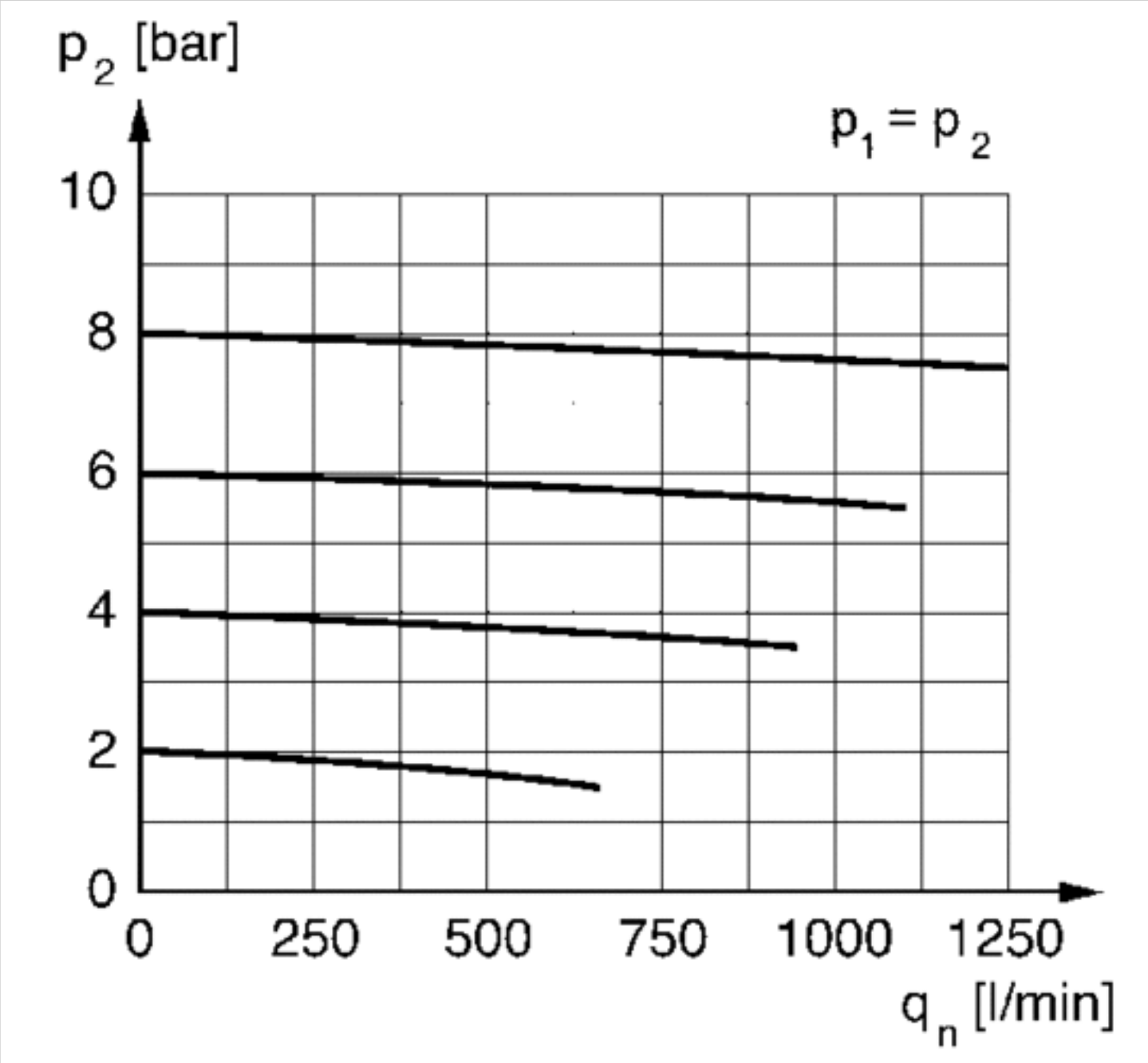
Dimensions in mm

Condensate drain	A1	A2	A7	B	C	D	E	H	I	J	K	M
semi-automatic, open without pressure	G 1/4	G 1/4	G 1/8	48	27.5	125	152	36	4.4	47	43.5	3
fully automatic, open without pressure	G 1/4	G 1/4	G 1/8	48	27.5	–	–	36	4.4	47	43.5	3

O	R	T	T1	T2	T7	U	V	W	W1
38	5.4	8	9.5	9.5	8.5	27.5	12.3	–	52
38	5.4	8	9.5	9.5	8.5	27.5	12.3	168	52

Diagrams

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

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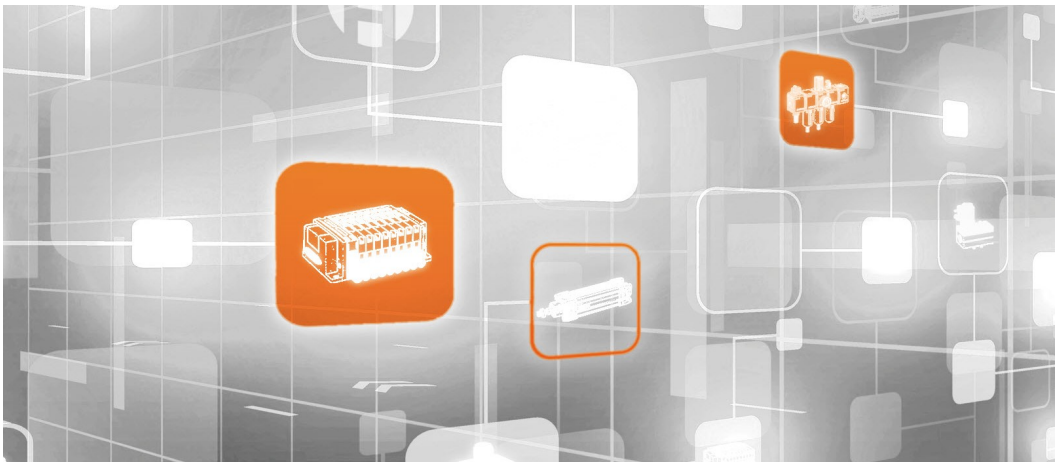

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