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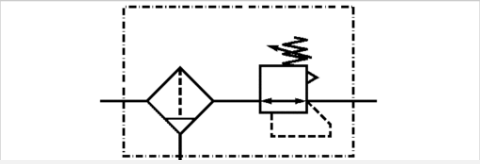
Filter pressure regulator, Series NL1-FRE

- G 1/8
- filter porosity 5 µm
- cold-resistant



Version	1-in-1, Can be assembled into blocks
Parts	Filter pressure regulator
Mounting orientation	vertical
Working pressure min./max.	1,5 ... 16 bar
Ambient temperature min./max.	-30 ... 50 °C
Medium temperature min./max.	-30 ... 50 °C
Medium	Compressed air Neutral gases
Nominal flow Qn	1350 l/min
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0,5 ... 10 bar
Pressure supply	single
Filter reservoir volume	16 cm³
Filter element	exchangeable
Condensate drain	semi-automatic, open without pressure
Weight	0,334 kg

Technical data

Part No.	Port	Flow	Condensate drain
		Qn	
R412007618	G 1/8	1350 l/min	semi-automatic, open without pressure
R412007619	G 1/4	1350 l/min	semi-automatic, open without pressure

Technical information

Order pressure gauge separately

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).
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.

Technical information

Material	
Housing	Die cast zinc
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate

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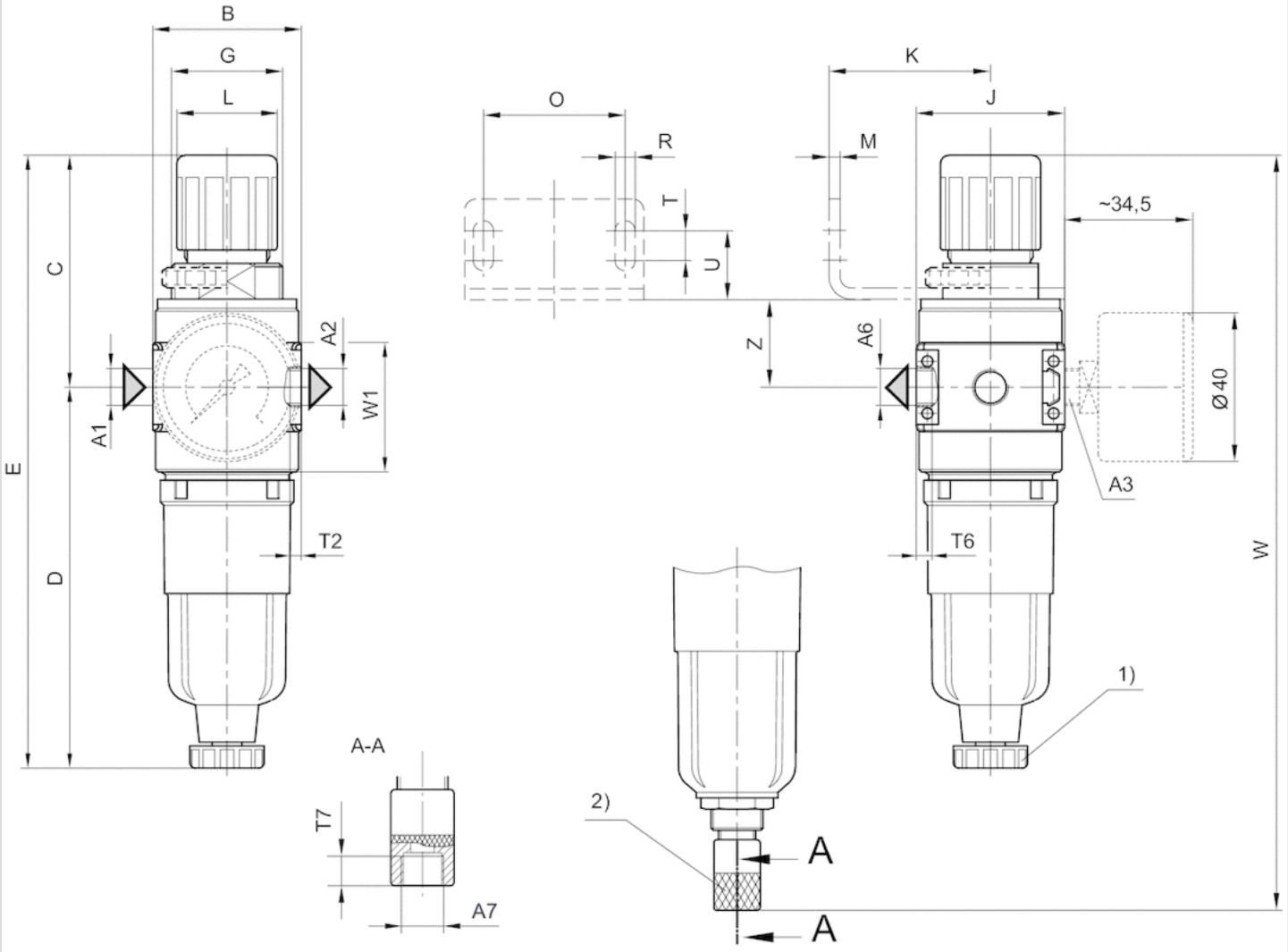
Material	
Filter insert	Polyethylene

Dimensions

Dimensions



A1 = inputA2 = output
A3 = outputA6 = output
A7 = condensate drain
1) Semi-automatic condensate drain2) fully automatic condensate drain

Dimensions in mm

A1	A2	A3	A6	A7	B	C	D	E	G	J	K	L	M	O	R	T	T2	T6	T7	U
G 1/8	G 1/8	G 1/8	G 1/8	G 1/8	40	62.5	102.5	165	M30x1,5	40	43.5	27	3	38	5.4	8	8	6	8.5	18.5
G 1/4	G 1/4	G 1/8	G 1/8	G 1/8	40	62.5	102.5	165	M30x1,5	40	43.5	27	3	38	5.4	8	8	6	8.5	18.5

W	W1	Z
203	44	24.5
203	44	24.5

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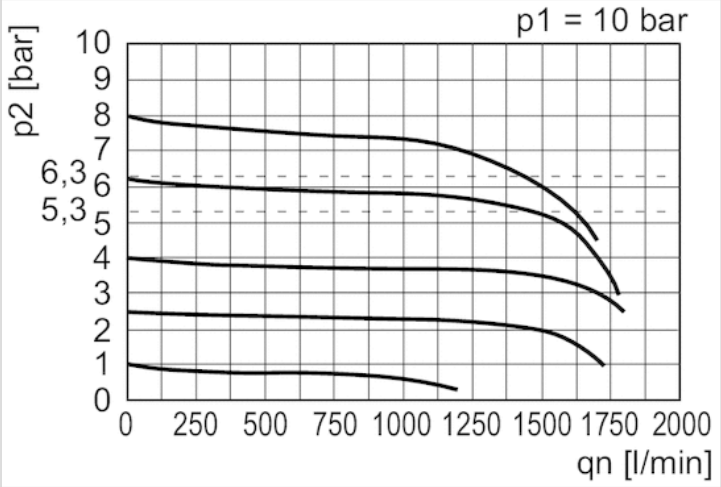
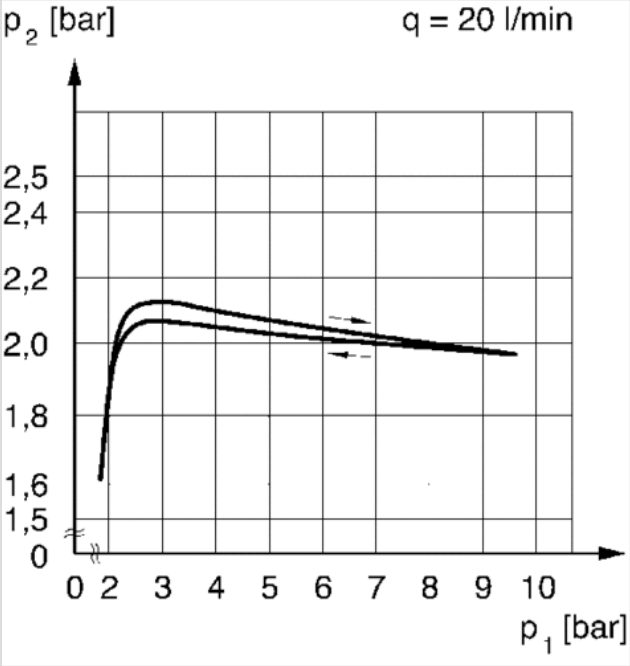
Diagrams

Flow rate characteristic



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

Pressure characteristics curve



p1 = working pressurep2 = secondary pressureq = flow rate