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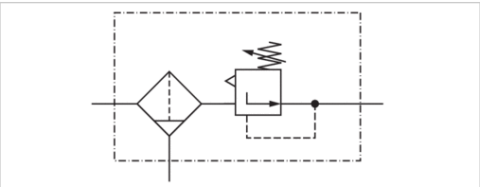
Filter pressure regulator, Series NL4-FRE

- G 1/2
- filter porosity 5 µm
- with window
- suitable for ATEX



Version	1-in-1, Can be assembled into blocks
Parts	Filter pressure regulator
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
Nominal flow Qn	6900 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	50 cm³
Filter element	exchangeable
Condensate drain	See table
Weight	See table

Technical data

Part No.	Port	Flow Qn	Condensate drain	Reservoir
0821300364	G 1/2	6900 l/min	semi-automatic, open without pressure	Polycarbonate
0821300367	G 1/2	6900 l/min	fully automatic, open without pressure	Polycarbonate
0821300281	G 1/2	6900 l/min	fully automatic, open without pressure	Die cast zinc

Part No.	Weight
0821300364	1,19 kg
0821300367	1,26 kg
0821300281	1,47 kg

Technical information

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).
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.

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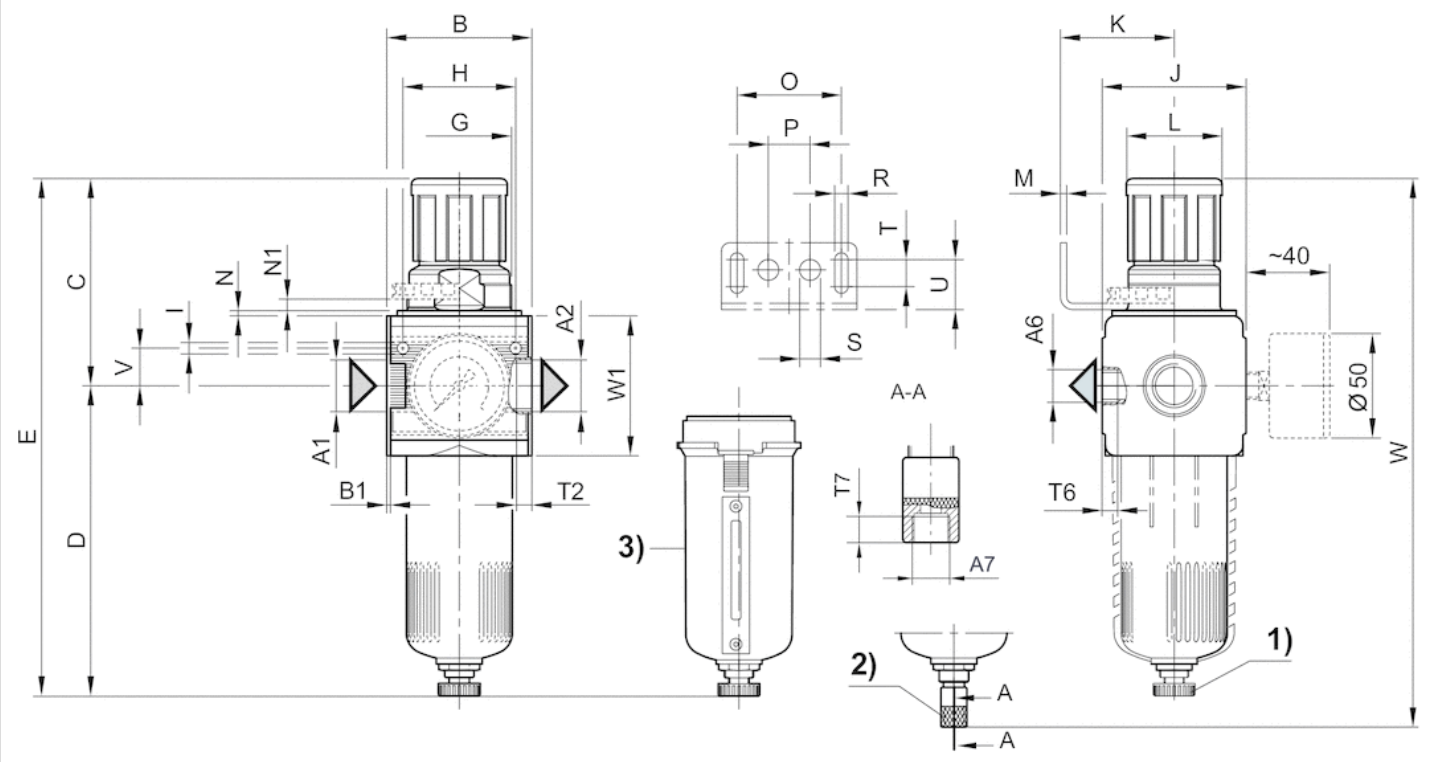
Technical information

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

Dimensions

Dimensions



A1 = inputA2 = outputA6 = output
1) Semi-automatic condensate drain2) fully automatic condensate drain
3) Metal reservoir with level indicator

Dimensions in mm

A1	A2	A6	A7	B	B1	C	D	E	G	H	I	J	K	L	M	N	N1	O	P	R
G 1/2	G 1/2	G 1/4	G 1/8	69.6	1.8	98.3	146.5	244.8	M50x1,5	54	5.5	69	54.5	46	3	3	5.5	50	20	6.4
G 1/2	G 1/2	G 1/4	G 1/8	69.6	1.8	98.3	146.5	244.8	M50x1,5	54	5.5	69	54.5	46	3	3	5.5	50	20	6.4

S	T	T2	T6	T7	U	V	W	W1
10	13	13	7	8.5	24	18	262.8	67
10	13	13	7	8.5	24	18	262.8	67

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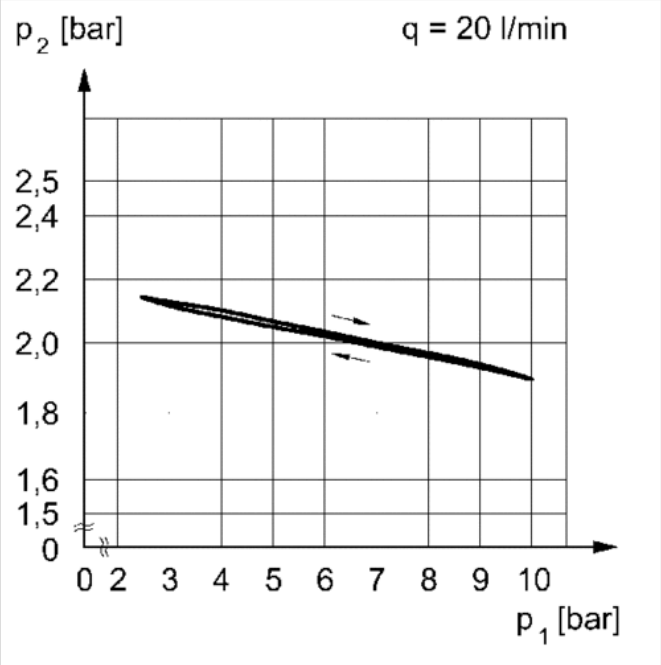
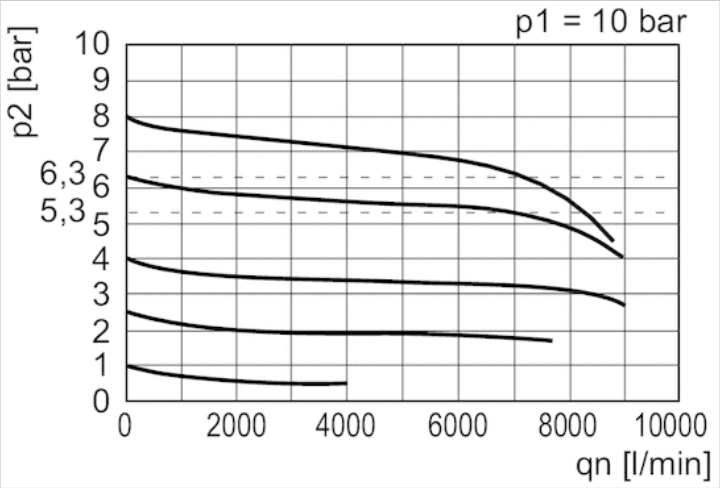
Diagrams

Pressure characteristics curve



p1 = working pressurep2 = secondary pressureq = flow rate

Flow rate characteristic



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow