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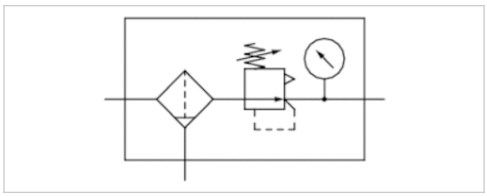
Filter pressure regulator, Series NL6-FRE

- G 3/4
- filter porosity 40 µm
- lockable
- with key
- with pressure gauge
- 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	15000 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	125 cm³
Filter element	exchangeable
Condensate drain	semi-automatic, open without pressure
Max. Internal air consumption	0,5 l/min
Weight	2,26 kg

Technical data

Part No.		Port	Flow	Condensate drain
			Qn	
0821300862		G 3/4	15000 l/min	semi-automatic, open without pressure
0821300863		G 1	15000 l/min	semi-automatic, open without pressure

Technical information

polycarbonate reservoirs

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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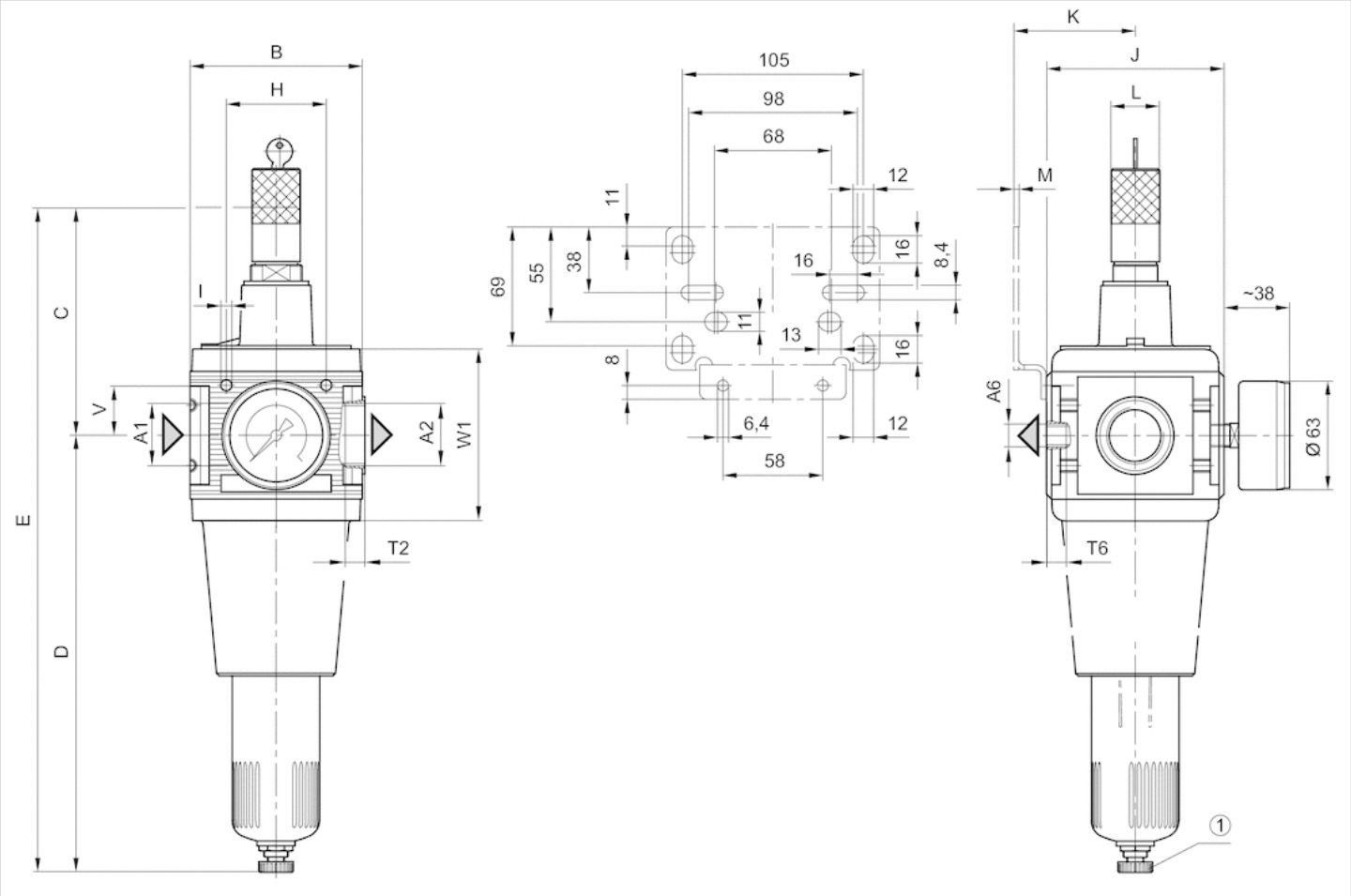
Technical information

Material	
Housing	Die-cast aluminum
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Reservoir	Polycarbonate
Filter insert	Polyethylene

Dimensions

Dimensions



A1 = inputA2 = outputA6 = output
1) semi-automatic condensate drain

Dimensions in mm

A1	A2	A6	B	C	D	E	H	I	J	K	L	M	T2	T6	V	W1
G 3/4	G 3/4	G 1/4	100	157	253	410	58	M6	103	70.5	28	3	18	7	29	101.5
G 1	G 1	G 1/4	100	157	253	410	58	M6	103	70.5	28	3	18	7	29	101.5

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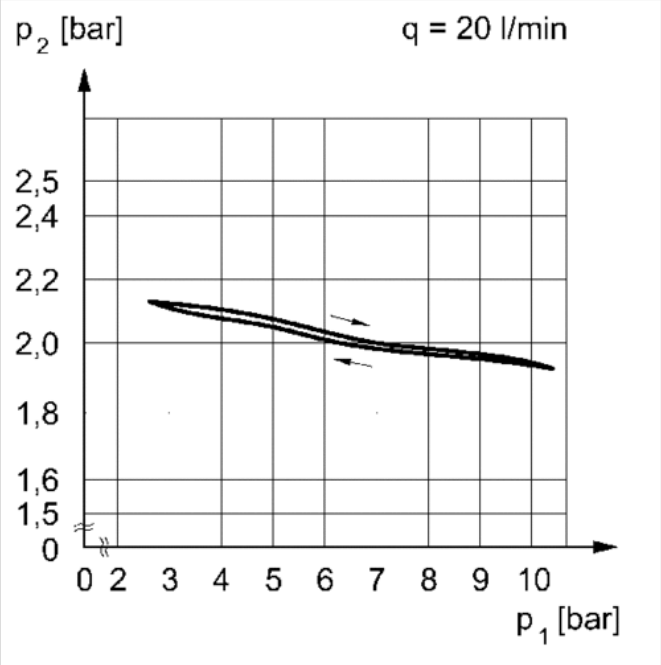
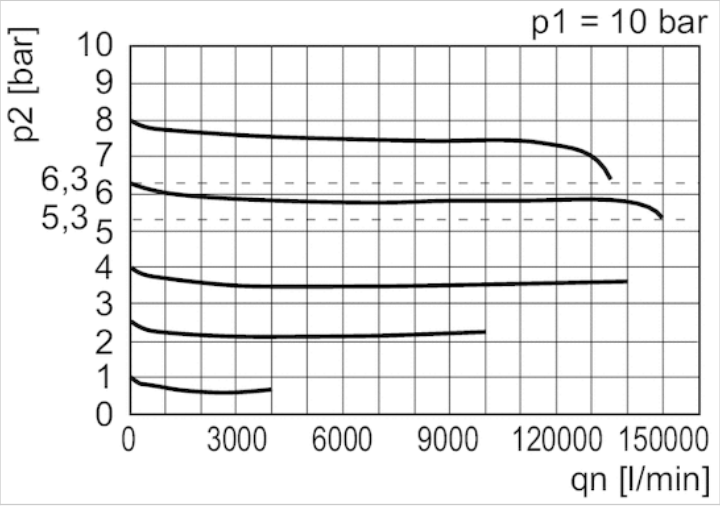
Diagrams

Pressure characteristics curve



p1 = working pressurep2 = secondary pressureq = flow rate

Flow rate characteristic



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow