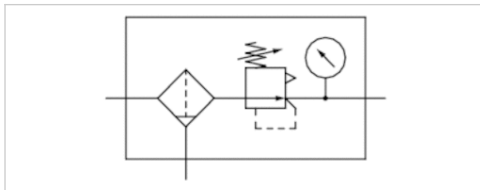


Filter pressure regulator, Series NL6-FRE

- G 1
- filter porosity 8 µm
- 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	See table
Max. Internal air consumption	0,5 l/min
Weight	See table

Technical data

Part No.	Port	Flow	Condensate drain	Reservoir
		Qn		
0821300132	G 1	15000 l/min	semi-automatic, open without pressure	Polycarbonate
0821300864	G 1	15000 l/min	fully automatic, open without pressure	Die cast zinc

Part No.	Protective guard	Weight
0821300132	Steel	2,25 kg
0821300864	-	2,48 kg

Technical information

enclosed separately

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

Mounting: mounting bracket 1821336017 / block assembly kit 1827009593

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.

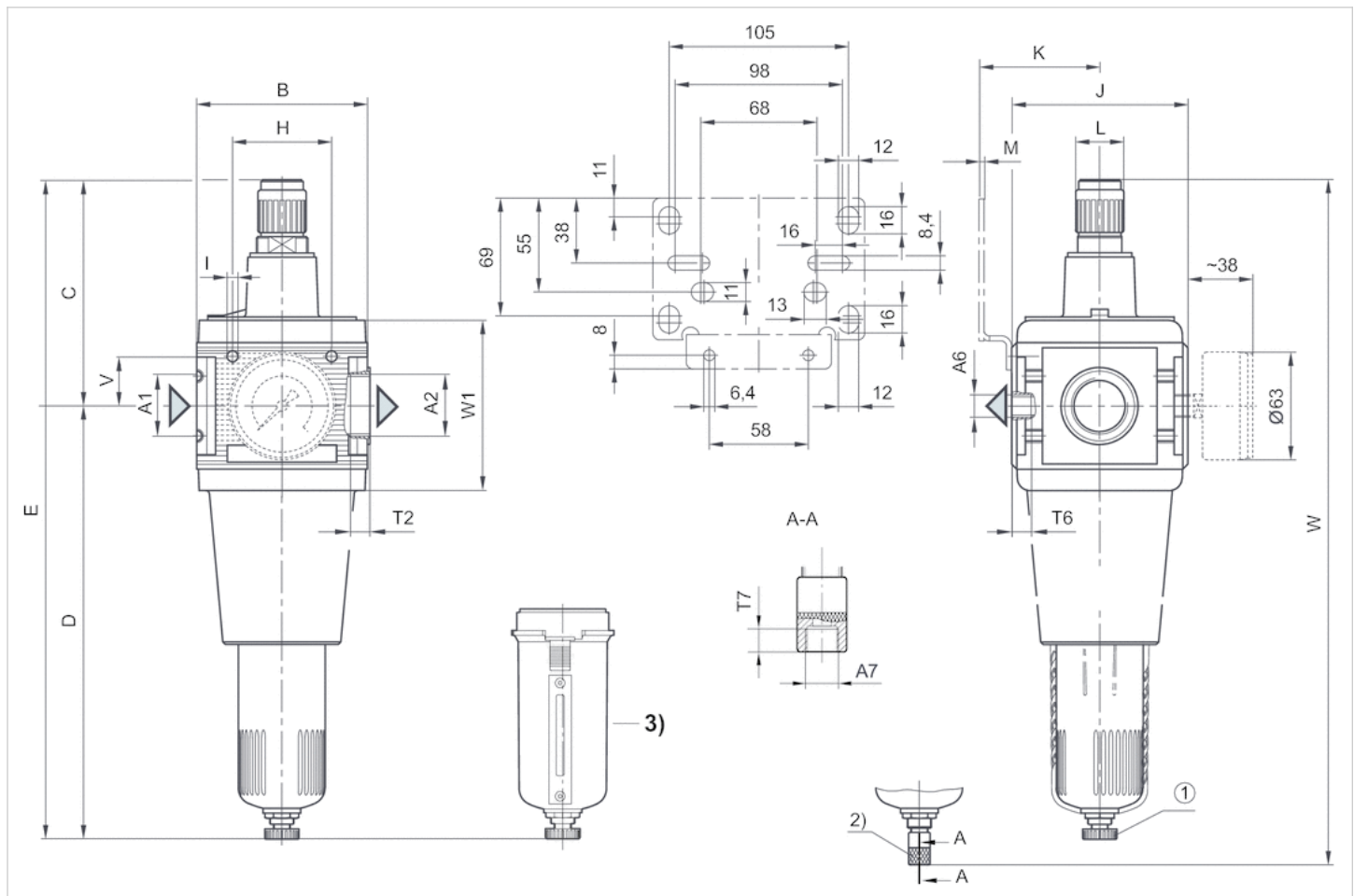
Also suitable for separation of fluid oil or water due to the design.

Technical information

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

Dimensions

Dimensions



A1 = input A2 = output A6 = output

A7 = condensate drain

1) Semi-automatic condensate drain 2) fully automatic condensate drain

3) Metal reservoir with level indicator

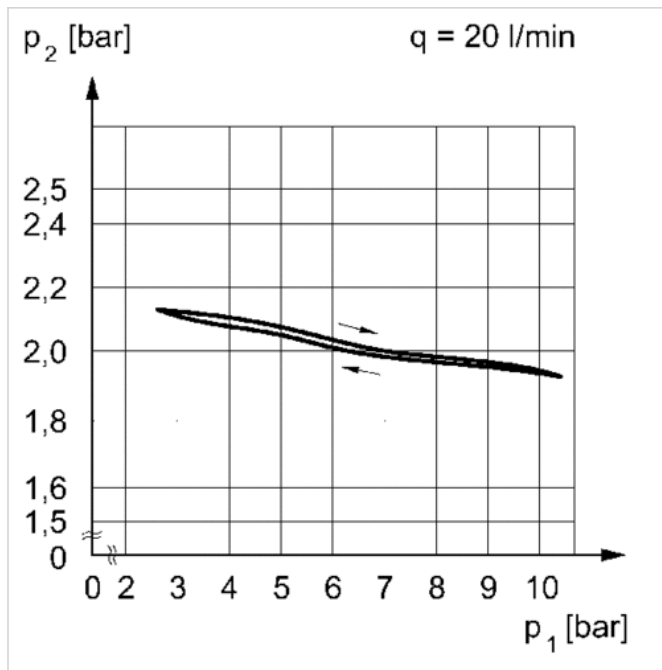


Dimensions in mm

A1	A2	A6	A7	B	C	D	E	H	I	J	K	L	M	T2	T6	T7	V	W	W1
G 1	G 1	G 1/4	G 1/8	100	132	253	385	58	M6	103	70.5	28	3	18	7	8.5	29	397	101.5
G 1	G 1	G 1/4	G 1/8	100	132	253	385	58	M6	103	70.5	28	3	18	7	8.5	29	397	101.5

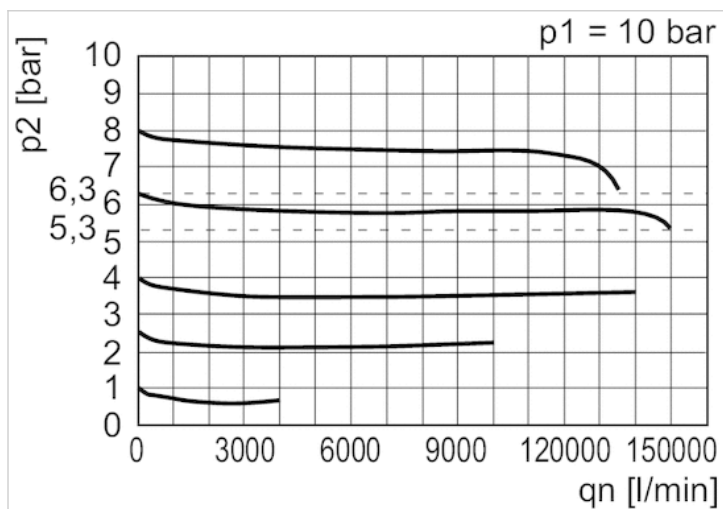
Diagrams

Pressure characteristics curve



p_1 = working pressure p_2 = secondary pressure q_n = nominal flow q = flow rate

Flow rate characteristic



p_1 = Working pressure p_2 = Secondary pressure q_n = Nominal flow