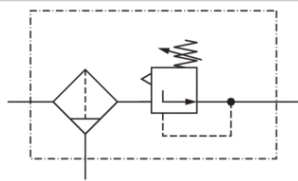


Filter pressure regulator, Series NL6-FRE

- G 1
- filter porosity 8 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 Q _n	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 cm ³
Filter element	exchangeable
Condensate drain	fully automatic, open without pressure
Max. Internal air consumption	0,5 l/min
Weight	See table

Technical data

Part No.	Port	Flow	Condensate drain	Reservoir	Weight
		Q _n			
0821300885	G 1	15000 l/min	fully automatic, open without pressure	Polycarbonate	2,18 kg
0821300865	G 1	15000 l/min	fully automatic, open without pressure	Die cast zinc	2,48 kg

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 .

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".

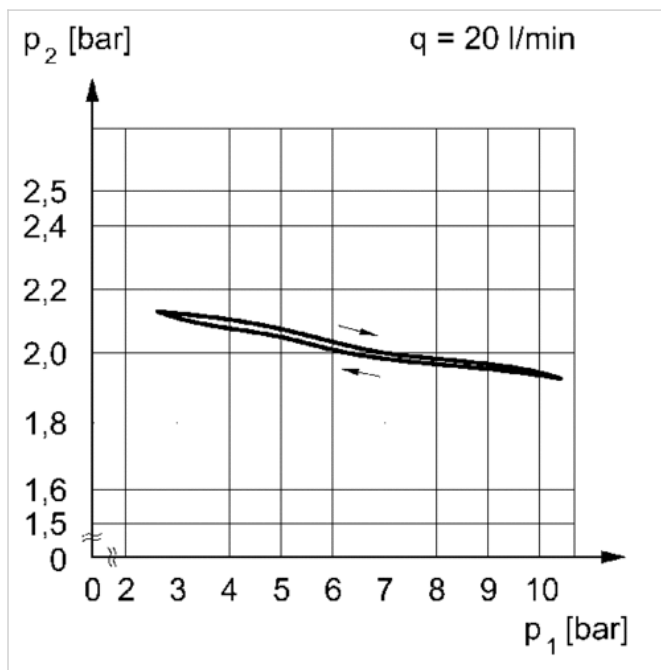
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

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



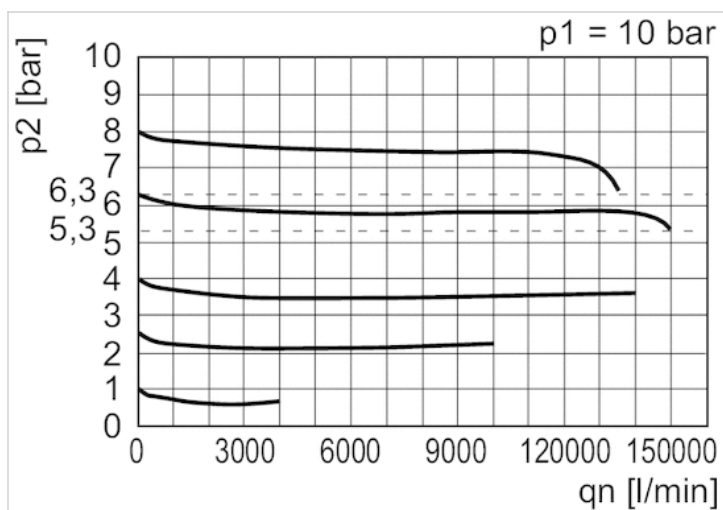
Diagrams

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