

Preparation of compressed air ► Supplementary products

Filter pressure regulator, Series NL6-FRE

► G 3/4 - G 1 ► filter porosity: 40 µm ► with pressure gauge



00106957

Parts	Filter, Pressure controller
Nominal flow Q _n	12000 l/min
Mounting orientation	vertical
Working pressure min./max.	1.5 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +60 °C
Ambient temperature min./max.	-10 °C / +60 °C
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust (> 3 bar)
Adjustment range min./max.	0.5 bar / 10 bar
Pressure supply	single
Filter reservoir volume	125 cm ³
Filter element	exchangeable
Condensate drain	See table below
Max. Internal air consumption	0.5 l/min
Materials:	
Housing	Die-cast aluminum
Front plate	Die cast zinc
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
Filter insert	Polyethylene

Technical Remarks

- 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
- Max. residual oil content acc. to ISO 8573-4 at the outlet: 10 mg/m³

	Port	Condensate drain	Weight	Note	Part No.
			[kg]		
	G 3/4	semi-automatic, open without pressure	2.15	1)	0821300850
	G 3/4	semi-automatic, open without pressure	5.3	1); 3)	0821300851
	G 3/4	semi-automatic, open without pressure	2.45	2)	0821300852
	G 3/4	fully automatic, open without pressure	2.18	1)	0821300853
	G 3/4	fully automatic, open without pressure	2.28	1); 3)	0821300854
	G 3/4	fully automatic, open without pressure	2.48	2)	0821300855
	G 1	semi-automatic, open without pressure	2.15	1)	0821300856
	G 1	semi-automatic, open without pressure	2.25	1); 3)	0821300857
	G 1	semi-automatic, open without pressure	2.45	2)	0821300858
	G 1	fully automatic, open without pressure	2.18	1)	0821300859
	G 1	fully automatic, open without pressure	2.28	1); 3)	0821300860
	G 1	fully automatic, open without pressure	2.48	2)	0821300861

Pressure gauge enclosed separately

Nominal flow Q_n with secondary pressure 6 bar at Δp = 1 bar

Metal protective guard can be retrofitted for all polycarbonate reservoirs

1) Reservoir: Polycarbonate

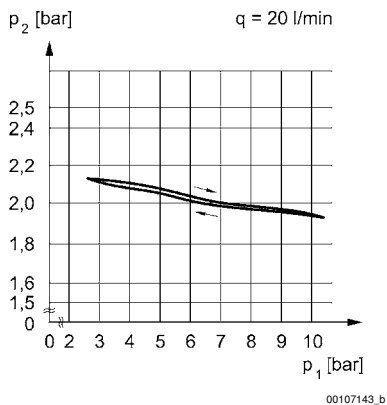
2) Reservoir: metal

3) Protective guard: Steel

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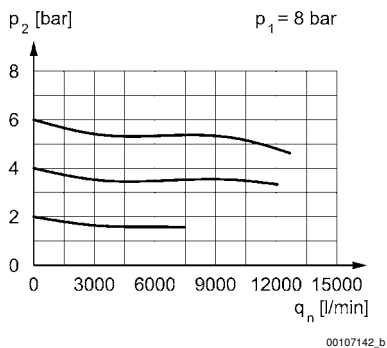
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Pressure characteristics curve



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

Flow rate characteristic

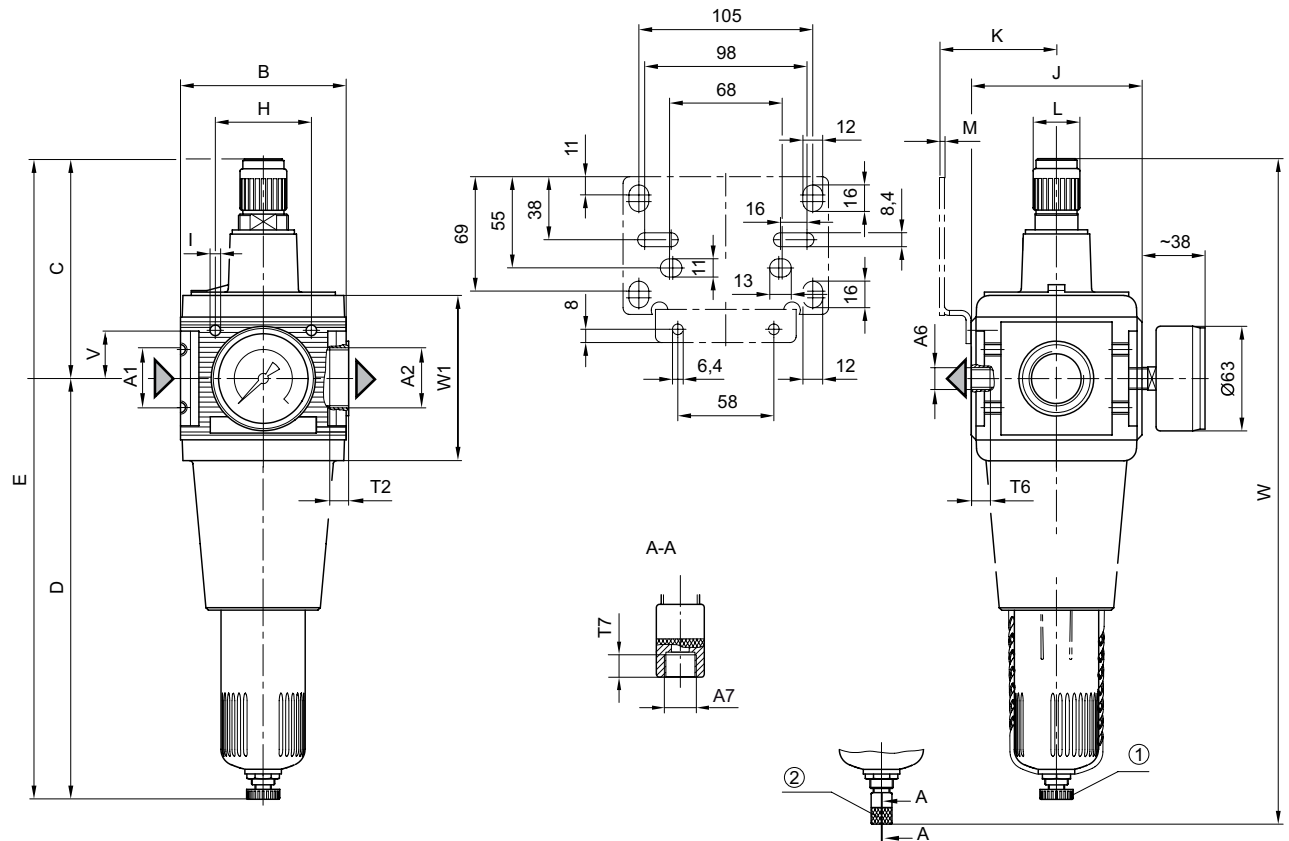


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

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Dimensions



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

A1	A2	A6	A7	B	C	D	E	H	I	J	K	L	M
G 3/4	G 3/4	G 1/4	G 1/8	100	132	253	385	58	M6	103	70.5	28	3
G 1	G 1	G 1/4	G 1/8	100	132	253	385	58	M6	103	70.5	28	3

A1	T2	T6	T7	V	W	W1							
G 3/4	18	7	8.5	29	403	101.5							
G 1	18	7	8.5	29	403	101.5							