

Preparation of compressed air ► Maintenance units and components

Pressure regulator, Series NL6-RGS

► G 3/4 - G 1 ► Qn= 12500 l/min ► Activation: mechanical



00108094

Mounting orientation	Any
Working pressure min./max.	0.5 bar / 20 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, Can be assembled into blocks
Regulator function	with relieving air exhaust
Adjustment range min./max.	0.5 bar / 10 bar
Pressure supply	single
Max. Internal air consumption	0.5 l/min
Materials:	
Housing	Die-cast aluminum
Front plate	Die cast zinc
Seals	Acrylonitrile Butadiene Rubber

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
- 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).
- Recommended pre-filtering: 5 µm

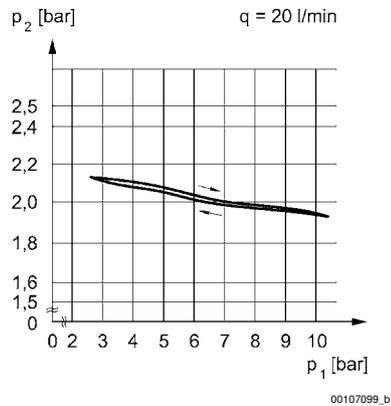
		Port	Qn	Weight	Note	Part No.
			[l/min]	[kg]		
		G 3/4	12500	1.55	1)	0821302803
		G 1				0821302804
	-	G 3/4	12500	1.46	2)	0821302801
		G 1				0821302802

1) Pressure gauge enclosed separately
 2) Order pressure gauge separately
 Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

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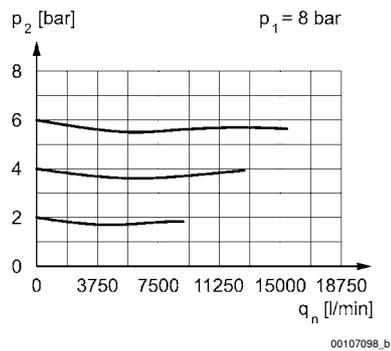
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Pressure characteristics curve



p₁ = working pressure; p₂ = secondary pressure; q = flow rate

Flow rate characteristic (secondary range p₂: 0.5 - 10 bar)



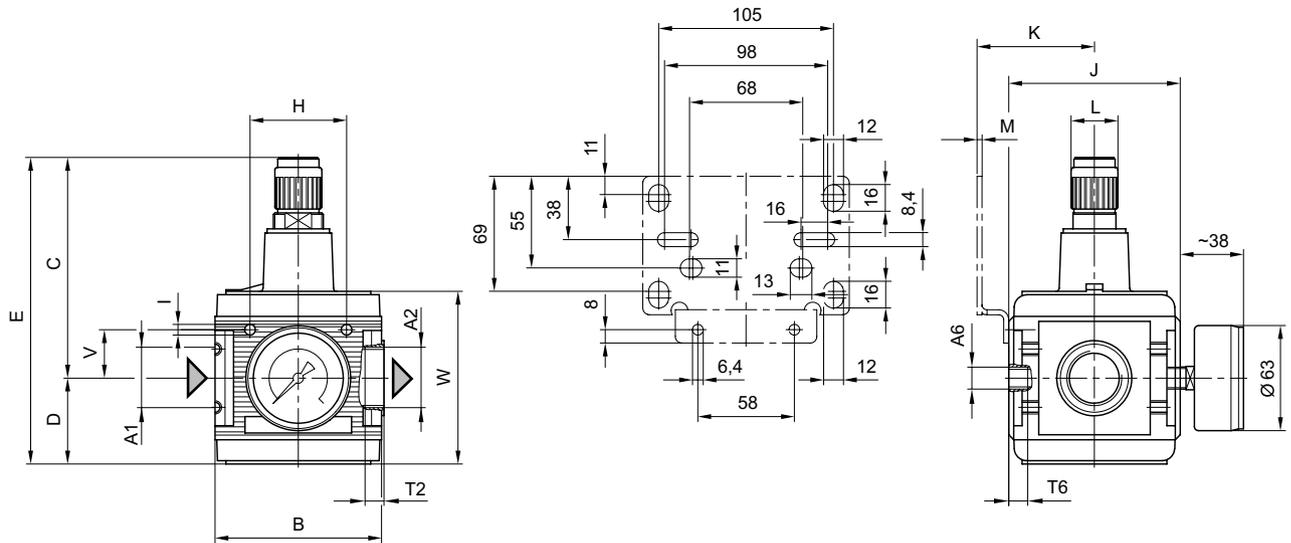
p₁ = Working pressure
 p₂ = Secondary pressure
 q_n = Nominal flow

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Dimensions



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A1	A2	A6	B	C	D	E	H	I	J	K	L	M	T2
G 3/4	G 3/4	G 1/4	100	132	51.5	183.5	58	M6	103	70.5	28	3	18
G 1	G 1	G 1/4	100	132	51.5	183.5	58	M6	103	70.5	28	3	18

A1	T6	V	W										
G 3/4	7	29	103.5										
G 1	7	29	103.5										