

Preparation of compressed air → Maintenance units and components

Pressure regulator, Series MU1-RGS

► G 1/8 - G 1/4 ► Qn=450 l/min ► Activation: mechanical



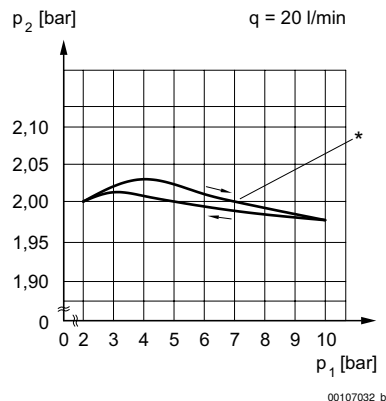
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Mounting orientation	Any
Working pressure min./max.	0.5 bar / 25 bar
Medium	Compressed air
Medium temperature min./max.	-10 °C / +60 °C
Ambient temperature min./max.	-10 °C / +60 °C
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Pressure supply	single
Materials:	
Housing	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 with mounting bracket 1821331013

	Port	Qn	Adjustment range min. - max..	Weight	Part No.
		[l/min]	[bar]	[kg]	
	G 1/8	450	0.1 - 3.5	0.14	0821302425
	G 1/8		0.15 - 7	0.14	0821302426
	G 1/8		0.4 - 10	0.14	0821302427
	G 1/4		0.1 - 3.5	0.12	0821302429
	G 1/4		0.15 - 7	0.12	0821302448
	G 1/4		0.4 - 10	0.12	0821302449

nominal flow Qn with secondary pressure 6 bar at $\Delta p = 1$ bar**Pressure characteristics curve**

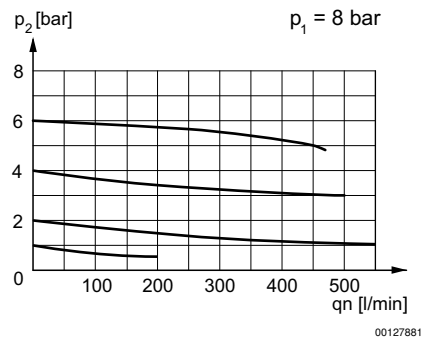
p1 = working pressure; p2 = secondary pressure; q = flow rate
 * starting point

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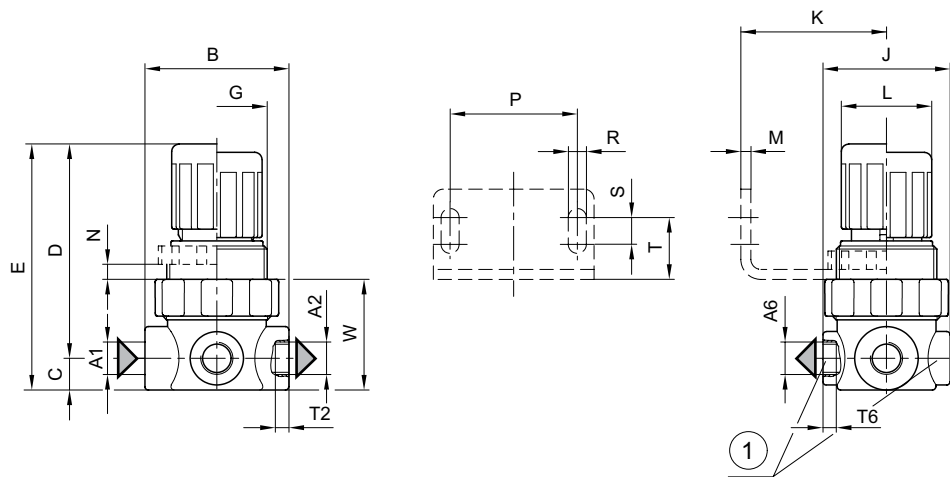
▶ G 1/8 - G 1/4 ▶ Qn=450 l/min ▶ Activation: mechanical

Flow rate characteristic



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

Dimensions

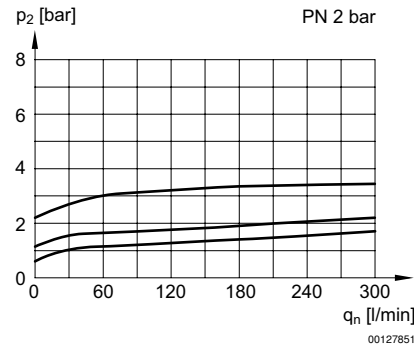


A1	A2	A6	B	C	D	E	G	J	K	L	M	N	P
G 1/8	G 1/8	G 1/8	43	9.5	61	70.5	M30x1,5	38	40	27	3	5	38
G 1/4	G 1/4	G 1/8	43	9.5	61	70.5	M30x1,5	38	40	27	3	5	38

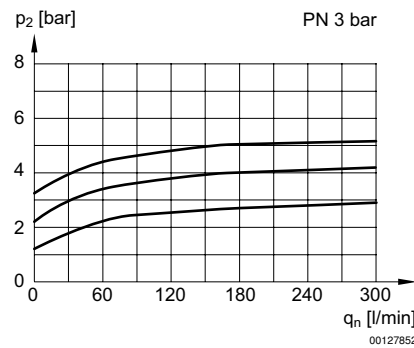
A1	R	S	T	T2	T6	W							
G 1/8	5.4	8	18.5	8	8	33							
G 1/4	5.4	8	18.5	8	8	33							

1) Pressure gauge connection

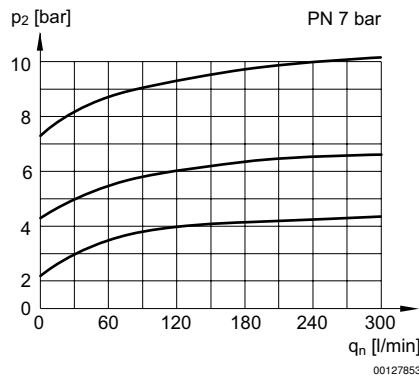
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Pressure regulator, Series MU1-RGS► G 1/8 - G 1/4 ► $Q_n=450$ l/min ► Activation: mechanical**Exhaust**

p_2 = secondary pressure
 q_n = nominal flow

Exhaust

p_2 = secondary pressure
 q_n = nominal flow

Exhaust

p_2 = secondary pressure
 q_n = nominal flow