

Preparation of compressed air → Maintenance units and components

Pressure regulator, Series AS3-RGS

► G 3/8 - G 1/2 ► Qn = 1600 - 5200 l/min ► Activation : mechanical ► lockable ► ATEX certified



00119369

ATEX

Regulator type

Function

Lock type

Installation location

Pressure supply

Ambient temperature min./max.

Medium temperature min./max.

Working pressure min./max.

Adjustment range min./max.

Medium

II 2G2D T4 X

Diaphragm-type pressure regulator, Can be assembled into blocks

with relieving air exhaust

with padlock

Any

single

-10 °C / +50 °C

-10 °C / +50 °C

See table below

See table below

Compressed air

Materials:

Housing

Cover

Seal

Polyamide

Acrylonitrile butadiene styrene

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.

		Port	Qn	Working pressure min./max.	Adjustment range min. - max..	Weight	Part No.
			[l/min]	[bar]	[bar]	[kg]	
		G 3/8	1600	0.1 / 16	0.1 - 1	0.6	R412007101
		G 3/8	4600	0.1 / 16	0.1 - 2		R412007103
		G 3/8	5000	0.2 / 16	0.2 - 4		R412007105
		G 3/8	4300	0.5 / 16	0.5 - 8		R412007107
		G 3/8	4300	0.5 / 16	0.5 - 10		R412007109
		G 3/8	3500	0.5 / 16	0.5 - 16		R412007111
		G 1/2	1600	0.1 / 16	0.1 - 1		R412007113
		G 1/2	4600	0.1 / 16	0.1 - 2		R412007115
		G 1/2	5000	0.2 / 16	0.2 - 4		R412007117
		G 1/2	5200	0.5 / 16	0.5 - 8		R412007119
		G 1/2	5200	0.5 / 16	0.5 - 10		R412007121
		G 1/2	4000	0.5 / 16	0.5 - 16		R412007123
		G 3/8	1600	0.1 / 16	0.1 - 1	0.528	R412007100
		G 3/8	4600	0.1 / 16	0.1 - 2		R412007102
		G 3/8	5000	0.2 / 16	0.2 - 4		R412007104
		G 3/8	4300	0.5 / 16	0.5 - 8		R412007106
		G 3/8	4300	0.5 / 16	0.5 - 10		R412007108
		G 3/8	3500	0.5 / 16	0.5 - 16		R412007110
		G 1/2	1600	0.1 / 16	0.1 - 1		R412007112
		G 1/2	4600	0.1 / 16	0.1 - 2		R412007114
		G 1/2	5000	0.2 / 16	0.2 - 4		R412007116
		G 1/2	5200	0.5 / 16	0.5 - 8		R412007118
		G 1/2	5200	0.5 / 16	0.5 - 10		R412007120
		G 1/2	4000	0.5 / 16	0.5 - 16		R412007122

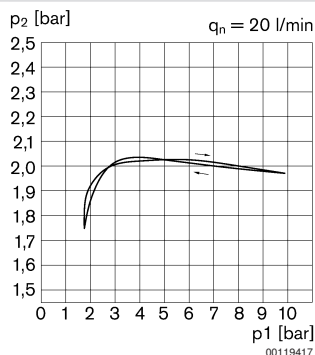
Nominal flow Qn at 6.3 bar and Δp = 1 bar.

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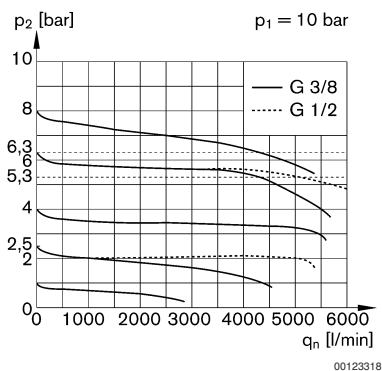
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Pressure characteristics curve



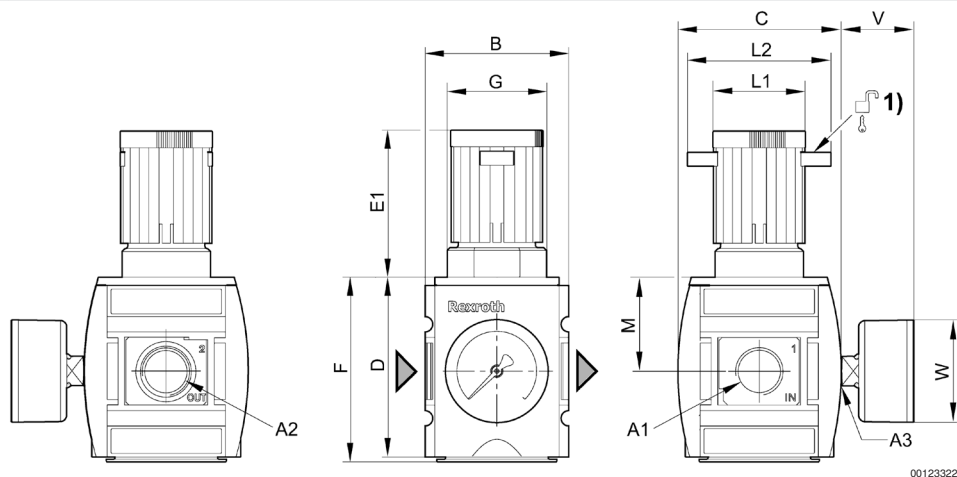
p_1 = working pressure; p_2 = secondary pressure; q_n = nominal flow

Flow rate characteristic (p_2 : 0,5 - 8 bar)



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

Dimensions



1) Mounting option for padlocks; max. shackle Ø 8

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A1	A2	A3	B	C	D	E1	F	G	L1	L2	M	V
G 3/8	G 3/8	G 1/4	63	74	80	63.5	82	M42x1,5	41	60	42.5	33
G 1/2	G 1/2	G 1/4	63	74	80	63.5	82	M42x1,5	41	60	42.5	33
A1	W											
G 3/8	50											
G 1/2	50											
