

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 ► for padlocks ► suitable for ATEX



00119369

ATEX	II 2G2D T4 X
Mounting orientation	Any
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Regulator type	Diaphragm-type pressure regulator, Can be assembled into blocks
Regulator function	with relieving air exhaust (> 3 bar)
Adjustment range min./max.	See table below
Pressure supply	single
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
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.

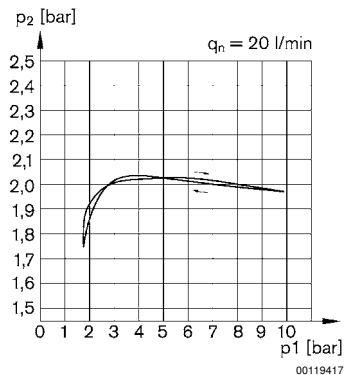
		Port	Qn	Working pressure min./max.	Adjustment range min. - max..	Weight	Note	Part No.
			[l/min]	[bar]	[bar]	[kg]		
		G 3/8	1600	0.1 / 16	0.1 - 1	0.6	1)	R412007101
		G 3/8	4600	0.1 / 16	0.1 - 2			R412007103
		G 3/8	5000	0.2 / 16	0.2 - 4			R412007105
		G 3/8	4300	0.5 / 16	0.5 - 8			R412007107
		G 3/8	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	2)	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

- 1) Pressure gauge enclosed separately
2) Order pressure gauge separately
Nominal flow Qn at p1 = 6.3 bar and Δp = 1 bar

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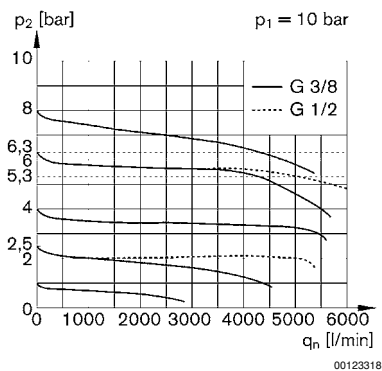
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Pressure characteristics curve



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

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



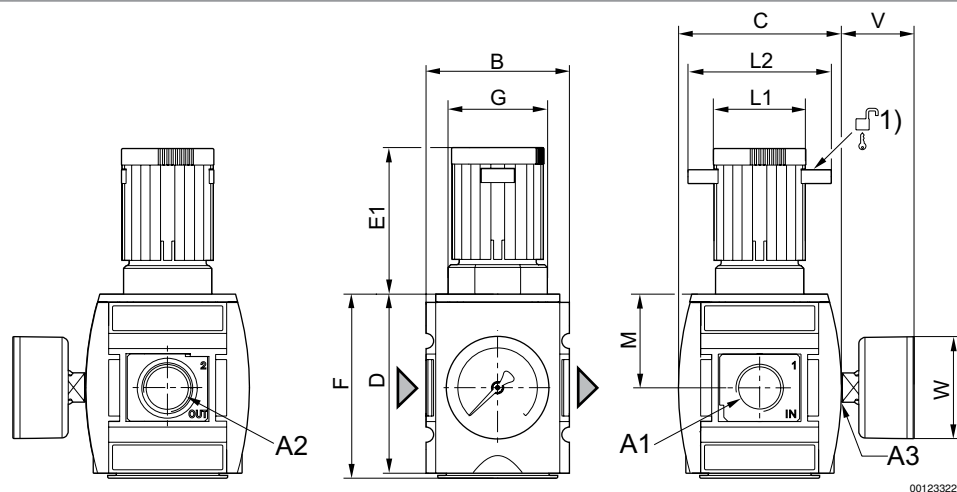
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Dimensions



A1 = input

A2 = output

A3 = pressure gauge connection

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

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											