

Compressed air maintenance unit, series AS5-Inch

Pressure regulator AS5-RGS, with or without gauge, 3/4" - 1" NPT



00119787

Version	Diaphragm-type pressure regulator relieving* lockable regulator knob
Installation orientation	any
Working pressure min./max.	- / 16 bar [- / 232 psi]
Ambient temperature min./max.	-10°C / +50°C [14 / 122 °F]
Medium	compressed air to ISO 8573-1: 2001 dry air class 6-4-3
Materials:	
Housing	Polyamide
Threaded bushing	Diecast zinc
Cover	Acrylonitrile Butadiene Styrene (ABS)

	Port	Qn [CFM]	Adjustment range [psi]	Pressure gauge	Weight [lbs]	Part No.
	3/4 NPT	511	1 ... 1	with gauge	2.198	R432002861
	3/4 NPT		1 ... 29			R432002862
	3/4 NPT		3 ... 58			R432002863
	3/4 NPT		7 ... 116			R432002864
	3/4 NPT		7 ... 145			R432002865
	3/4 NPT		7 ... 232			R432002866
	1 NPT		1 ... 15			R432002879
	1 NPT		1 ... 29			R432002880
	1 NPT		3 ... 58			R432002881
	1 NPT		7 ... 116			R432002882
	1 NPT		7 ... 145			R432002883
	1 NPT		7 ... 232			R432002884
	3/4 NPT	511	1 ... 15	without gauge	1.995	R432002849
	3/4 NPT		1 ... 29			R432002851
	3/4 NPT		3 ... 58			R432002853
	3/4 NPT		7 ... 116			R432002855
	3/4 NPT		7 ... 145			R432002857
	3/4 NPT		7 ... 232			R432002859
	1 NPT		1 ... 15			R432002867
	1 NPT		1 ... 29			R432002869
	1 NPT		3 ... 58			R432002871
	1 NPT		7 ... 116			R432002873
	1 NPT		7 ... 145			R432002875
	1 NPT		7 ... 232			R432002877

Nominal flow Qn at 6.3 bar [91 psi] and $\Delta p = 1$ bar [15 psi].

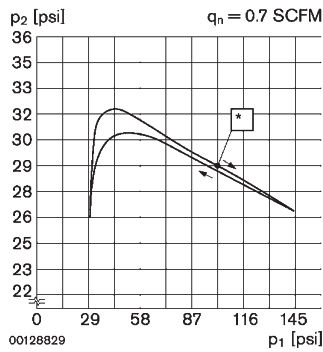
* For AS5 regulators only, improved regulation is achieved by the use of an internal precision regulator. The piloting regulator consumes a maximum of 1.5 l/min at an inlet pressure of 87 psi (6 bar).

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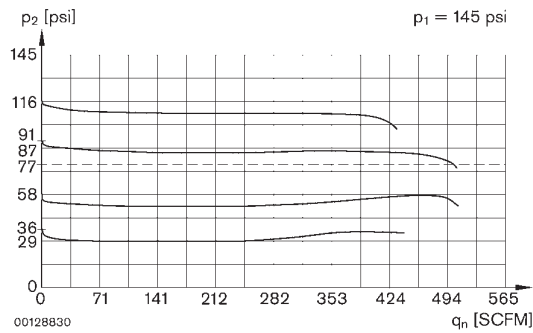


Pressure characteristics curve

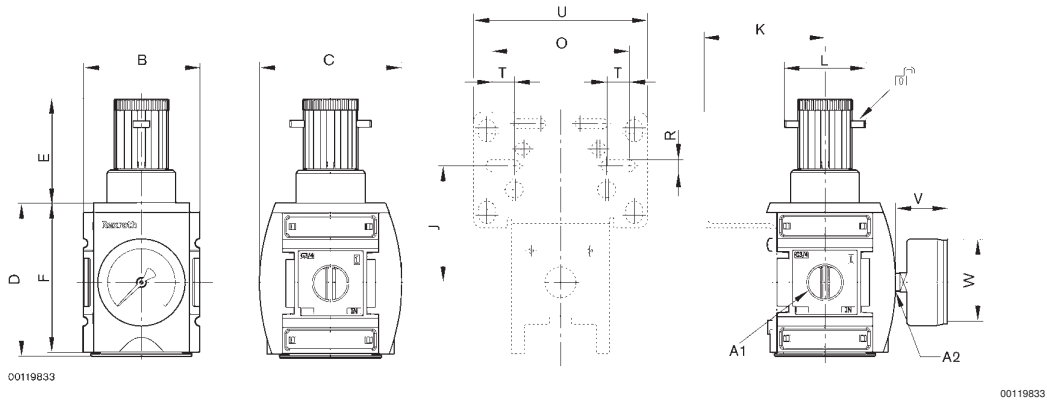


p_1 = working pressure; p_2 = secondary pressure; q = flow rate
* starting point

Flow rate characteristic (setting range p_2 : 0.5 - 8 bar [7 ... 116 psi])



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



A1	A2	B	C	D	E	F	J	K	L	O	R	T	U	V	W
3/4 NPT	1/4 NPT	3.346	4.055	4.409	2.953	4.291	3.268	3.425	2.325	3.858	0.276	0.63	4.882	1.497	2.48
1 NPT	1/4 NPT	3.346	4.055	4.409	2.953	4.291	3.268	3.425	2.325	3.858	0.276	0.63	4.882	1.497	2.48

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