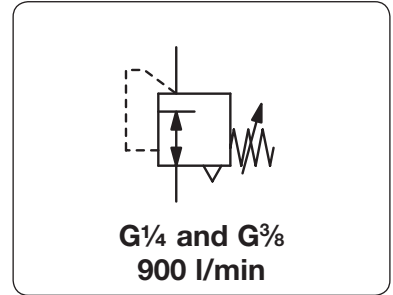


Description	Diaphragm pressure regulator of small and light design with high flow capacity. It provides sensitive adjustment accurate to 2 mbar.	
Media	compressed air or non-corrosive gases	
Supply pressure	max. 18 bar	
Accuracy	setting accuracy:	< 2 mbar
	response sensitivity:	< 2 mbar
Air consumption	max. 3 l/min, subject to outlet pressure	
Adjustment	by handwheel with locknut	
Relieving function	relieving	
Relief capacity	55 l/min at 1.5 bar outlet and 0.35 bar overpressure above setpoint	
Gauge port	G $\frac{1}{8}$ on both sides of the body, screw plugs supplied	Mounting position any
Temperature range	0 °C to 90 °C / 32 °F to 194 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F	
Material	Body: aluminium die-cast	
	Inner valve: stainless steel, brass and cadmium-plated steel	
	Elastomer: NBR/Buna-N, optionally FKM	



Dimensions			K _v value (m ³ /h)	Flow rate		Connection thread G	Pressure range bar	Order number
A mm	B mm	C mm		m ³ /h*1	l/min*1			

Precision pressure regulator							supply pressure max. 18 bar, relieving, with constant bleed		R300
57	133	25	0.5	54	900	G $\frac{1}{4}$	0.001 ...	0.14	R300-020
							0.01 ...	0.7	R300-021
							0.03 ...	2.0	R300-02A
							0.07 ...	4.0	R300-02B
							0.14 ...	7.0	R300-02C
57	133	25	0.5	54	900	G $\frac{3}{8}$	0.001 ...	0.14	R300-030
							0.01 ...	0.7	R300-031
							0.03 ...	2.0	R300-03A
							0.07 ...	4.0	R300-03B
							0.14 ...	7.0	R300-03C



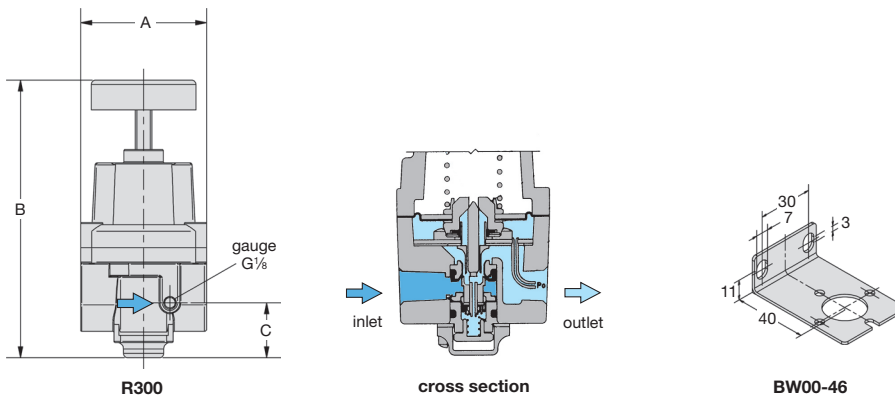
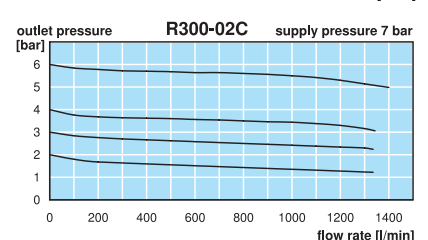
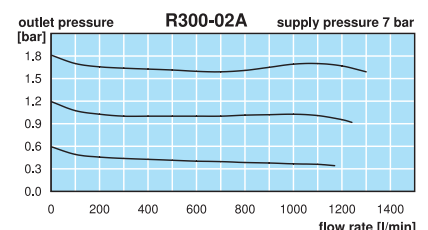
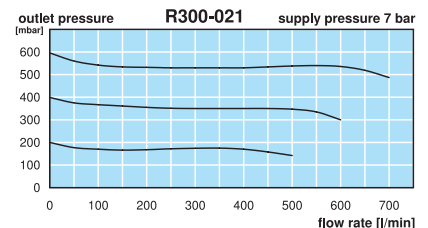
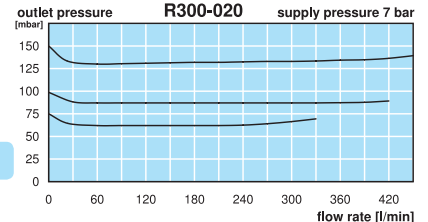
Special options, add the appropriate letter

without constant bleed	non-relieving, for small flow rate	R300-0 . . K
NPT	connection thread	R300-0 . . N
tamper-proof cap	aluminium, adjustment by screwdriver, total height 141 mm	R300-0 . . T
FKM elastomer		R300-0 . . V
for oxygen	especially cleaned, with oxygen grease	R300-0 . . 15

Accessories, enclosed

pressure gauge	Ø 63 mm, 0 ... 160 mbar, G $\frac{1}{4}$ - connection parts required	MA6302-C2
pressure gauge	Ø 50 mm, 0 ... *2 bar, G $\frac{1}{8}$	MA5001-..*2
gauge connection parts	for MA6302-C2	AM-04
mounting bracket	made of steel	BW00-46

R300



*1 at 7 bar supply pressure and 1.4 bar outlet pressure
*2 01 = 0...1 bar, 02 = 0...2.5 bar, 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar, C2 = 160 mbar

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net

Order example:
R300-020