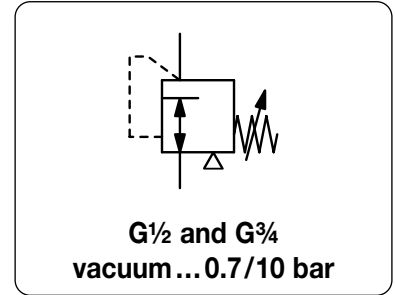


PRECISION VACUUM PRESSURE REGULATOR 800 L/MIN

R251

Description	Diaphragm vacuum regulator ensuring high precision in both vacuum and positive pressure range.		
Media	compressed air or non-corrosive gases		
Supply pressure	max. 17 bar		
Accuracy	response sensitivity: < 2.5 mbar		
Adjustment	by handwheel with locknut		
Air consumption	without constant bleed		
Flow rate	800 l/min*1 in vacuum range,	4200 l/min*2 in positive pressure range	
Gauge port	G $\frac{1}{4}$ on both sides of the body, screw plugs supplied		
Mounting position	any		
Temperature range	-40 °C to 90 °C / -40 °F to 194 °F		
Material	Body: aluminium die-cast	Inner valve: stainless steel and brass	
	Elastomer: NBR/Buna-N		



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

Vacuum pressure regulator								supply pressure max. 17 bar, without constant bleed	R251
87	238	40	98	2.5	48	800	G $\frac{1}{2}$	-1 ... +0.7	R251-04A
								-1 ... +2.0	R251-04B
								-1 ... +10	R251-04D
87	238	40	98	2.5	48	800	G $\frac{3}{4}$	-1 ... +0.7	R251-06A
								-1 ... +2.0	R251-06B
								-1 ... +10	R251-06D

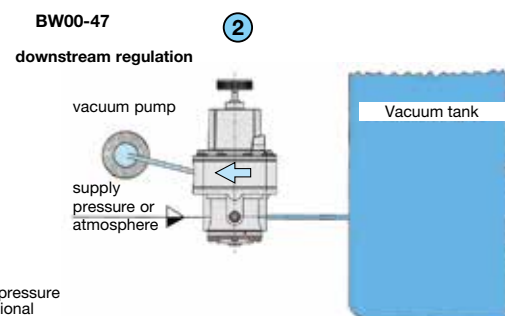
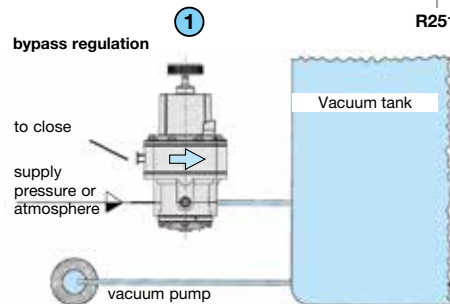
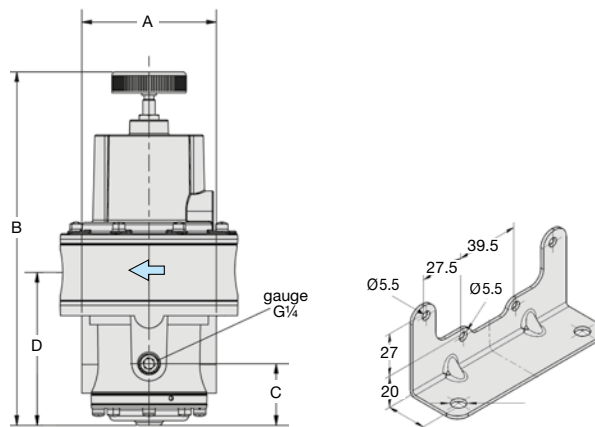
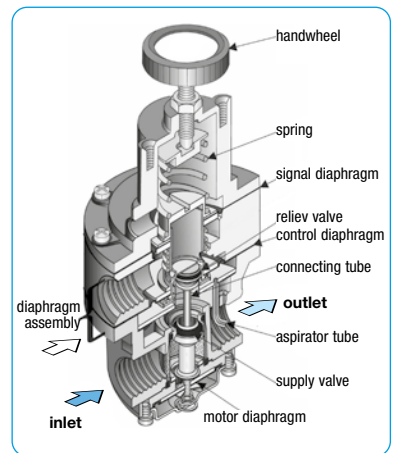


Special options, add the appropriate letter

NPT	connection thread	R251-0 . . N
tamper-proof cap	made of aluminium, adjustment by screwdriver, total height 240 mm	R251-0 . . T
FKM elastomer		R251-0 . . V

Accessories, enclosed

pressure gauge	Ø 63 mm, -1 ... 0 bar, G $\frac{1}{4}$	MA6302-00
mounting bracket	made of steel	BW00-47



Note
A strainer is provided on the pressure side or atmospheric, an additional filter is recommended.

1 Bypass regulation
Upstream installation is preferred when rapid exhaust of a tank or system is required. That way the vacuum pump acts directly upon the tank and is not being throttled by the vacuum regulator.

2 Downstream installation
is preferred when rapid exhaust of a tank or system or over-pressure filling is required. The inlet pressure connection can optionally be left open to atmosphere.

*1 for compressed air at -0.98 bar supply pressure and 0 bar outlet pressure
*2 for compressed air at 7 bar supply pressure and 1.4 bar outlet pressure

Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net

* Product group



Order example:
R251-04A