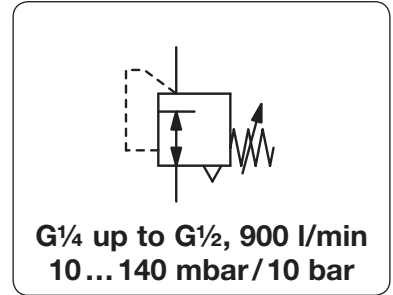


Description	The diaphragm pressure regulator provides precision regulation in high flow applications. A balanced inner valve, sensitive rolling diaphragm and carefully positioned aspirator tube ensure constant outlet pressure even with changing supply pressure and flow fluctuations.	
Media	compressed air or non-corrosive gases	
Supply pressure	max. 17 bar	
Accuracy	response sensitivity: < 4 mbar	
Air consumption	max. 6 l/min, subject to outlet pressure	
Adjustment	by handwheel with locknut	
Relieving function	relieving, optionally non-relieving	
Relief capacity	110 l/min at 1.5 bar outlet and 0.35 bar overpressure above setpoint	
Gauge port	G $\frac{1}{4}$ on both sides of the body, optionally $\frac{1}{4}$ " NPT	
Temperature range	0 °C to 80 °C / 32 °F to 176 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F	
Material	Body: aluminium die-cast	Inner valve: stainless steel and brass
	Elastomer: NBR/Buna-N	



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

Precision pressure regulator							supply pressure max. 17 bar, relieving, with constant bleed	R231
67	154	16	0.5	54	900	G $\frac{1}{4}$	0.01 ... 0.14	R231-020
							0.01 ... 1.0	R231-02A
							0.01 ... 2.0	R231-02B
							0.07 ... 4.0	R231-02C
							0.14 ... 10.0	R231-02D



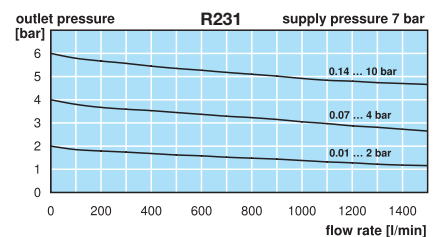
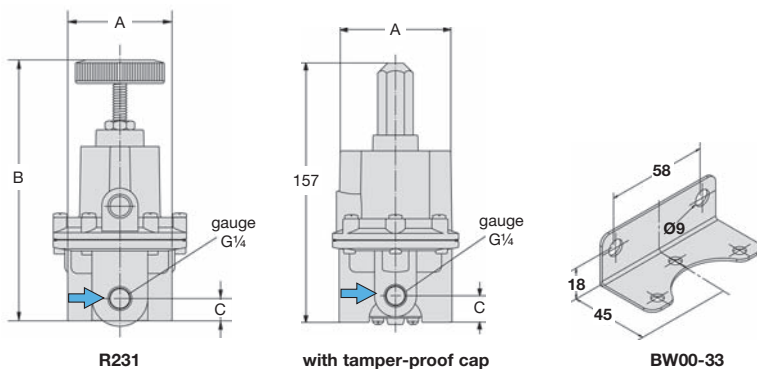
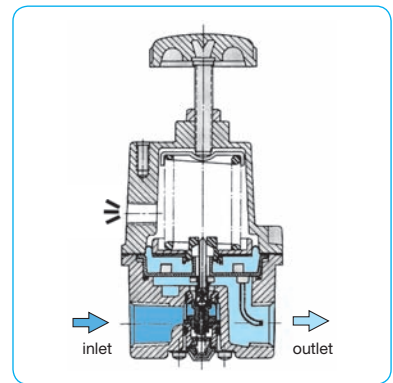
R231

Special options, add the appropriate letter

G $\frac{3}{8}$	connection thread	R231-03 .
G $\frac{1}{2}$	connection thread, recommended for mbar range	R231-04 .
NPT	connection thread	R231-0 . .N
non-relieving	and without constant bleed	R231-0 . .K
reduced bleeding		R231-0 . .X19
tapped exhaust	connection thread G $\frac{1}{4}$	R231-0 . .X12
tamper-proof cap	aluminium, adjustment by screwdriver, total height 157 mm	R231-0 . .T
check valve	quick exhaust at supply pressure removal	R231-0 . .X80

Accessories, enclosed

pressure gauge	Ø 63 mm, 0...160 mbar, G $\frac{1}{4}$, capsule type	MA6302-C2
pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$, Bourdon tube	MA5002-..*2
gauge connectors	NPT connection thread, adapter $\frac{1}{4}$ " NPT to G $\frac{1}{4}$ female	VP-0202N
mounting bracket	made of steel	BW00-33



*1 at 7 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*2 01 = 0...1 bar, 02 = 0...2.5 bar, 06 = 0...6 bar, 10 = 0...10 bar



Order example:
R231-020
China website: www.duray-control.cn