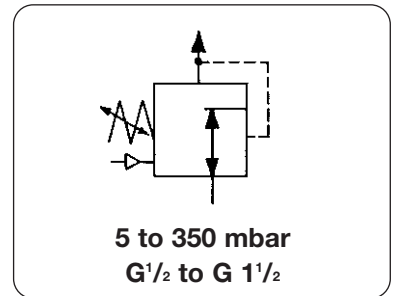


Low Pressure Regulator / Booster, Supply Pressure max. 4 bar RGB4

Description	Highly sensitive low pressure regulator which can also be used as volume booster. With inlet pressure compensation for high precision regulation, high flow and safety diaphragm for added security. Zero shut-off prevents the outlet pressure from increasing further.		
Media	Compressed air, non-corrosive gases and oxygen. No constant bleed.		
Adjustment	Manual: by turning the spindle under the cover of the spring cage. Pneumatic: at the side of the spring cage.		
Volume booster	By removing the aspirator filter and connecting the pilot signal in its place. With the spring a positive bias is possible.		
Supply pressure	max. 4 bar / 60 psi. A pre-pressure regulator may be needed to reduce higher supply pressure. Supply pressure to be increased gradually.		
Exhaust	Non-relieving. A back pressure regulator may be needed to protect against excessively high outlet pressure.		
Gauge port	None as standard. Option: gauge port 1/4"		
Accuracy	max. 20% pressure drop at full flow.		
Mounting position	Regulator preferably mounted on the head so that inner valve is closed when supply pressure is switched on		
Temperature range	-15 °C to 60 °C / 5 °F to 140 °F		
Materials	Body: aluminium	Diaphragm: NBR (Buna N)	Inner valve: aluminium Valve disc: with vulcanized NBR seal
Pre-pressure regul.	Supply pressure: max. 21 bar / 300 psi Outlet pressure: 0 ... 4 bar / 60 psi with gauge, as on photo.		



Dimensions	Nominal	Flow	Gauge	Connection	Pressure	Order
height	width	size	(option)	thread	range	number
mm	mm	DN	mbar	G	mbar	

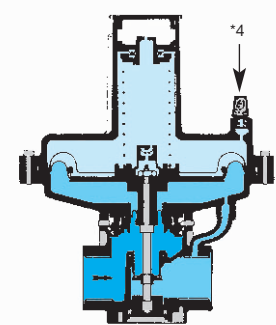
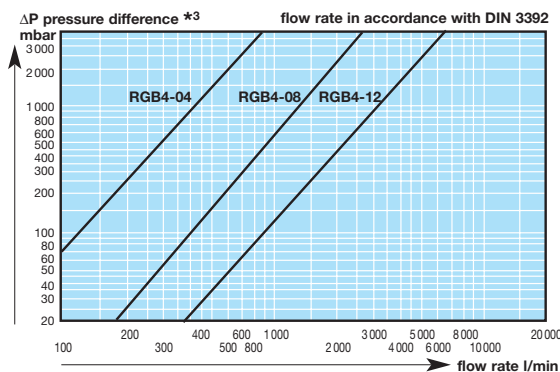
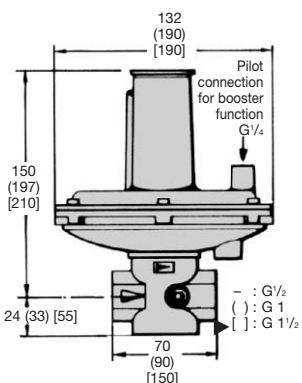
Low pressure regulator supply max. 4 bar, non-relieving RGB4

height	width	size	rate	rate	(option)	thread	range	range	number
mm	mm	DN	m ³ /h*1	l/min*/K _v	mbar	G	mbar	mbar	
174	132	15	42	700/0.62	60	G ^{1/2}	5... 12	5... 12	RGB4-04A
							10... 30	10... 30	RGB4-04C
							25... 45	25... 45	RGB4-04D
							40... 60	40... 60	RGB4-04E
							55... 75	55... 75	RGB4-04F
							70... 90	70... 90	RGB4-04G
							85... 105	85... 105	RGB4-04H
							100... 160	100... 160	RGB4-04I
							150... 230	150... 230	RGB4-04K
							220... 350	220... 350	RGB4-04L
230	190	25	170	2800/ 2.5	60	G1	5... 12	5... 12	RGB4-08A
							10... 30	10... 30	RGB4-08C
							25... 45	25... 45	RGB4-08D
							40... 60	40... 60	RGB4-08E
							55... 75	55... 75	RGB4-08F
							70... 90	70... 90	RGB4-08G
							85... 105	85... 105	RGB4-08H
							100... 160	100... 160	RGB4-08I
							150... 230	150... 230	RGB4-08K
							220... 350	220... 350	RGB4-08L
265	190	40	340	5600/ 5.0	60	G ^{1/2}	5... 12	5... 12	RGB4-12A
							10... 30	10... 30	RGB4-12C
							25... 45	25... 45	RGB4-12D
							40... 60	40... 60	RGB4-12E
							55... 75	55... 75	RGB4-12F
							70... 90	70... 90	RGB4-12G
							85... 105	85... 105	RGB4-12H
							100... 160	100... 160	RGB4-12I
							150... 230	150... 230	RGB4-12K
							220... 350	220... 350	RGB4-12L



Special options add the appropriate letter

pre-pressure regulator	for G ^{1/2} : R10-04BG, all other R119-08CG	R	RGB4 - ... R
low pressure gauge	Ø 63, cl 1.6, loose	G	RGB4 - ... G
borehole for connection	of low pressure gauge, G ^{1/4}	M	RGB4 - ... M
volume booster	5 ... 350 mbar*2	J	RGB4 - ... J



*4 Use for:
a) Pressure regulator with aspirator filter or
b) volume booster with pilot connection G^{1/4}

*1 at 4 bar supply pressure and 100 mbar outlet pressure *3 ΔP = P_S - P_O Difference between supply and outlet pressure
*2 Inlet pressure to increase slowly and regulator to be mounted upside down

For your information:	1 bar: 14.5 psi	1 l/min: 0.035 scfm	1 mm: 0.039 inch	Pressure gauge: Please consult chapter "Gauges"
	1 psi: 0.069 bar	1 scfm: 28.3 l/min	1 inch: 25.4 mm	

Order example:
RGB4-08H