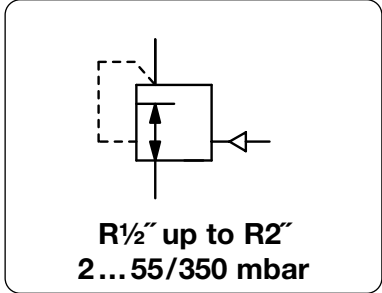


# LOW PRESSURE VOLUME BOOSTER UP TO 350 MBAR

# RGDJ-J/RGB4-J

<b>Description</b>	Highly sensitive low pressure volume booster with diaphragm and a 1:1 transmission ratio. Zero shut-off prevents the outlet pressure from increasing when there is no flow circulating.		
<b>Media</b>	compressed air or non-corrosive gases		
<b>Supply pressure</b>	max. 400 mbar at RGDJ-J,	max. 4 bar at RGB4-J	
<b>Pilot pressure</b>	max. 100 mbar at RGDJ-J,	max. 350 mbar at RGB4-J,	pilot port G $\frac{1}{4}$
<b>Air consumption</b>	without constant bleed		
<b>Relieving function</b>	non-relieving		
<b>Accuracy</b>	at maximum volume flow: < 20% pressure deviation of full scale		
<b>Gauge port</b>	not available, optionally G $\frac{1}{4}$ on one side of the body from regulator size G $\frac{3}{8}$ on any		
<b>Mounting position</b>	any		
<b>Temperature range</b>	RGDJ-J: -20 °C to 70 °C / -4 °F to 158 °F	RGB4J: -15 °C to 60 °C / -4 °F to 140 °F	
<b>Material</b>	Body: aluminium	Inner valve: aluminium and plastic	Elastomer: NBR/Buna-N



Dimensions			Nominal size	Kv-value	Flow rate	Connection thread	Pressure range	Order number
A	B	C	DN	(m <sup>3</sup> /h)	m <sup>3</sup> /h*1	l/min*1	R	mbar
mm	mm	mm						

Low pressure booster <i>P<sub>1</sub> max. 400 mbar</i>								non-relieving, without constant bleed, transmission ratio 1:1	RGDJ-J
100	120	30	15	0.66	12	200	½"	2... 55	RGDJ-04J
134	166	34	20	1.49	27	450	¾"	5... 160	RGDJ-06J
134	166	34	25	2.6	51	850	1"	5... 160	RGDJ-08J
185	194	45	40	4.9	90	1500	1½"	5... 160	RGDJ-12J
234	219	52	50	6.6	120	2000	2"	5... 100	RGDJ-16J



RGDJ-04J

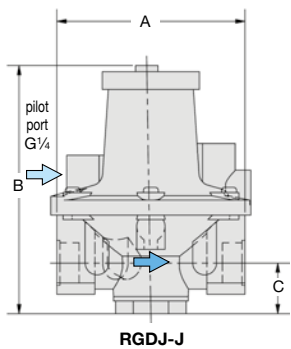
Low pressure booster <i>P<sub>1</sub> max. 4 bar</i>								non-relieving, without constant bleed, transmission ratio 1:1	RGB4-J
132	174	24	15	0.62	42	700	½"	5... 350	RGB4-04J
190	230	33	25	2.5	168	2800	1"	5... 350	RGB4-08J
190	265	55	40	5	336	5600	1½"	5... 350	RGB4-12J



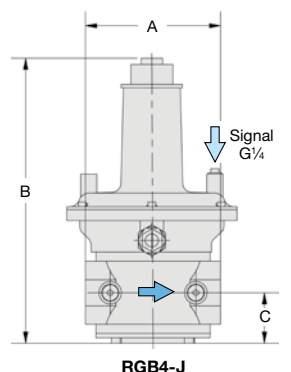
RGB4-12JM

**Special options,** add the appropriate letter  
 connection thread G $\frac{1}{4}$  for pressure gauge not for RGDJ-04J RG. . . . .M

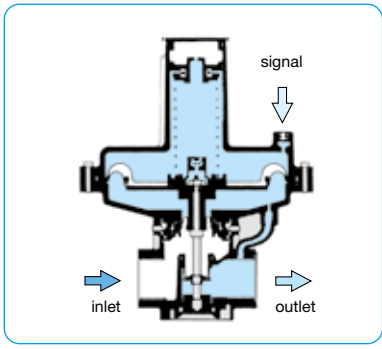
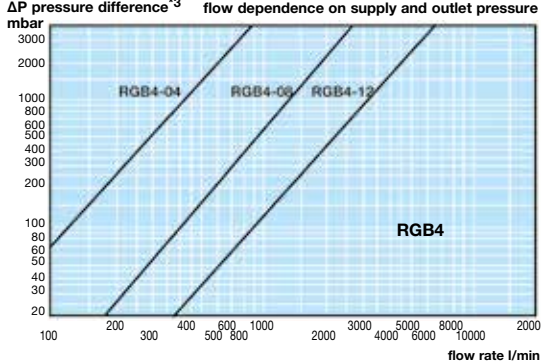
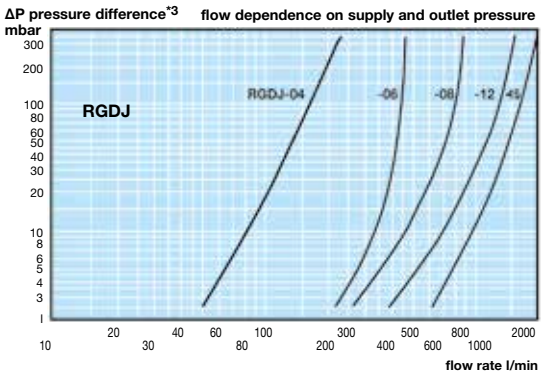
**Accessories,** enclosed  
 pressure gauge Ø 63 mm, 0...\*2 mbar, G $\frac{1}{4}$  for R¾" up to R2" MA6302-..\*2



RGDJ-J



RGB4-J



cross section RGB4-J

\*1 bei 350 mbar Eingangsdruck und 100 mbar Ausgangsdruck  
 \*2 B6 = 0...60 mbar, C2 = 0...160 mbar, C4 = 0...400 mbar  
 \*3 ΔP= P<sub>1</sub> - P<sub>2</sub> Druckdifferenz von Eingangsdruck und Ausgangsdruck