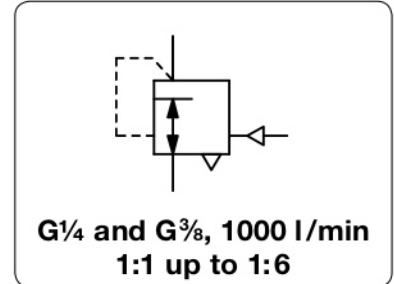


# R750 - Booster piloté en pression avec rapport d'amplification de 1:1 à 1:6, pour air comprimé ou gaz

<b>Description</b>	The volume booster with transmission ratio amplifies the outlet pressure at a 1:1 up to 1:6 ratio by a pneumatic pilot pressure, which has no constant bleed. That signal pressure has the same function as a spring in a common regulator: generating counter pressure on the diaphragm. This force is compensated by the outlet pressure on the diaphragm's bottom side. The ratio of pilot pressure to outlet pressure depends on the size of the operating diaphragms.		
<b>Media</b>	compressed air or non-corrosive gases		
<b>Pilot pressure</b>	max. 10 bar at 1:1 ratio, 5 bar at 1:2, 3.3 bar at 1:3, 1.7 bar at 1:6,	<b>Supply pressure</b>	max. 17 bar pilot port G $\frac{1}{4}$
<b>Accuracy</b>	at supply variation of 3.5 bar: < 7 mbar 1:1, < 10 mbar 1:2, < 21 mbar 1:3, < 41 mbar at 1:6 response sensitivity: < 2 mbar 1:1, < 3 mbar at 1:2, < 17 mbar at 1:3, < 23 mbar at 1:6		
<b>Air consumption</b>	max. 3 l/min, subject to outlet pressure relieving		
<b>Relieving function</b>	relieving		
<b>Relief capacity</b>	170 l/min at 1.5 bar outlet and 0.7 bar overpressure above setpoint		
<b>Gauge port</b>	on both sides of the body, thread equal to regulator thread		<b>Mounting position</b> any
<b>Temperature range</b>	0 °C to 70 °C / 32 °F to 158 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F		
<b>Material</b>	Body: zinc die-cast	Elastomer: NBR/Buna-N	Inner valve: brass and stainless steel



Dimensions			K <sub>v</sub> -value (m <sup>3</sup> /h)	Flow rate m <sup>3</sup> /h*1 l/min*1	Connection thread G	Signal pressure max. bar	Transmission ratio signal : outlet	Order number
A	B	C						

Booster			with transmission ratio, relieving, with constant bleed,		supply pressure max. 17 bar, pressure range 0...10 bar		R750		
68	102	16	0.5	60	1000	G $\frac{1}{4}$	10	1:1	R750-02I
							5.0	1:2	R750-02K
							3.3	1:3	R750-02C
							1.7	1:6	R750-02M
68	102	16	0.5	60	1000	G $\frac{3}{8}$	10	1:1	R750-03I
							5.0	1:2	R750-03K
							3.3	1:3	R750-03C
							1.7	1:6	R750-03M

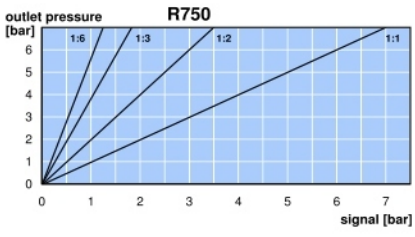
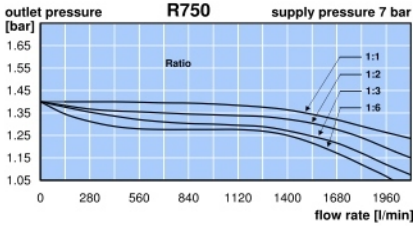
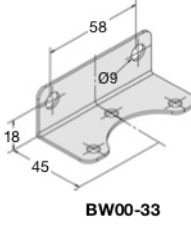
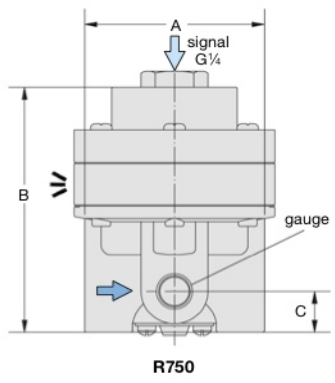
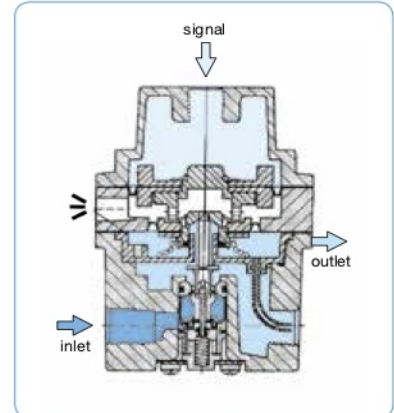


**Special options, add the appropriate letter**

negative bias	factory-set to -0,3 bar	R750-0. .Y
NPT	connection thread	R750-0. .N
tapped exhaust	connection thread G $\frac{1}{4}$	R750-0. .X12

**Accessories, enclosed**

pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	MA5002-...*2
mounting bracket	made of steel	BW00-33



\*1 at 7 bar supply pressure and 1.4 bar outlet pressure  
\*2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar

