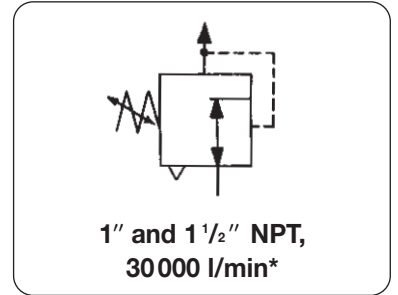




<b>Description</b>	Provides precision regulation in high flow and high relief applications. A sensitive convoluted diaphragm and balanced inner valve assure constant outlet pressure even with supply pressure and flow fluctuations.		
<b>Flow capacity</b>	30000 l/min / 1600 scfm at 10 bar / 150 psi supply and 2.8 bar / 40 psi set pressure		
<b>Supply pressure</b>	max. 18 bar / 250 psi	<b>Mounting position:</b>	any
<b>Exhaust capacity</b>	1200 l/min / 42 scfm at 0.3 bar / 4 psi above setpoint	<b>K<sub>v</sub>-value:</b>	18.6 (m <sup>3</sup> /h)
<b>Air consumption</b>	0.5% of flow max. 15 l/min / 3.0 scfh	<b>Outlet pressure change:</b>	< 7 mbar/0.1 psi for 7 bar/100 psi fluctuation
<b>Sensitivity</b>	1.2 mbar / 0.5" W.C.	<b>Temperature range:</b>	-20 °C to 70 °C / -4 °F to 160 °F
<b>Materials</b>	Body: aluminium die-casting Diaphragm: NBR (Buna N) and Dacron Inner valve: aluminium, brass, stainless steel, cadmium-plated steel Seals: NBR (Buna N) and Teflon		



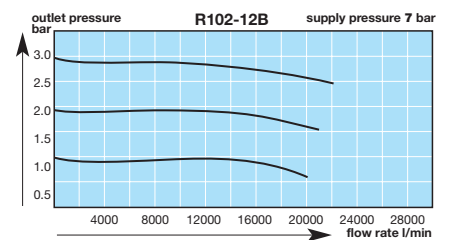
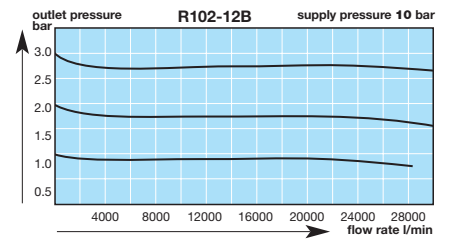
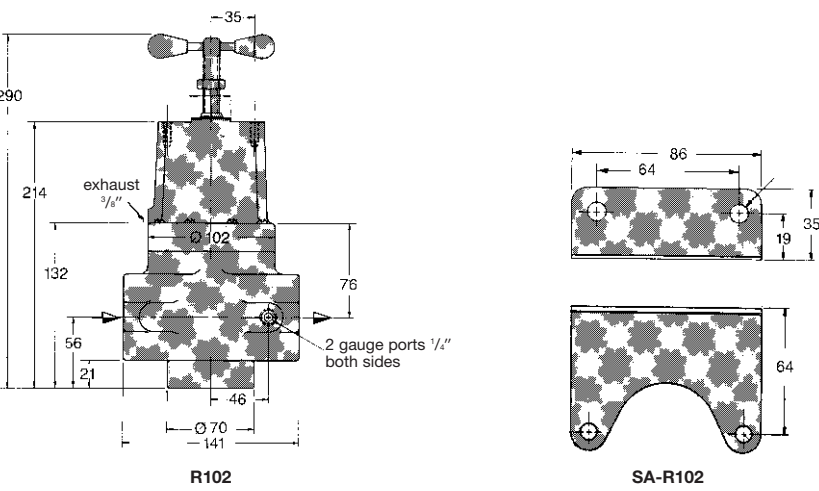
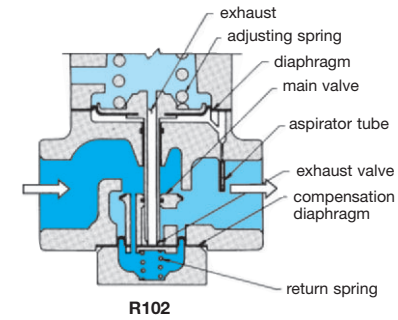
Dimensions			Supply pressure bar	Flow rate l/min*	Connection thread G	Pressure range bar	Order number
H mm	W mm	D mm					

Pressure regulator, 30 000 l/min*				relieving, K <sub>v</sub> : 18.6 (m <sup>3</sup> /h) supply max. 18 bar		R102	
290	141	120	18	28000	1"	0.001... 0.7	R102-081
						0.03 ... 2	R102-08A
						0.07 ... 4	R102-08B
						0.14 ... 7	R102-08C
						0.14 ...10	R102-08D
290	141	120	18	30000	1 1/2"	0.001... 0.7	R102-121
						0.03 ... 2	R102-12A
						0.07 ... 4	R102-12B
						0.14 ... 7	R102-12C
						0.14 ...10	R102-12D



R102-08D

Special options		Accessories	
add the appropriate letter			
with locking cap		T	R102-...T
with tapped bleed		E	R102-...E
non-relieving	and without constant bleed	K	R102-...K
mounting bracket	SA-R102	X	R102-...X



\* at 10 bar supply pressure and 2.8 bar outlet pressure

<b>For your information:</b>	1 bar: 14.8 psi 1 psi: 0.069 bar	1 l/min: 0.035 scfm 1 scfm: 28.3 l/min	1 mm: 0.039 inch 1 inch: 25.4 mm	Pressure gauge: Please consult chapter "Gauges"
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**Order example:**  
R102-08C