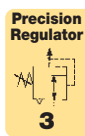
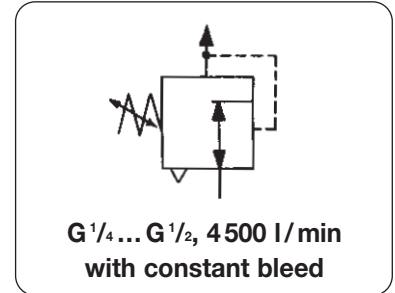


Precision Pressure Regulator with High Flow Rate and Exhaust

R03

Description	Provides precision regulation in high flow and high relief applications. A sensitive convoluted diaphragm and balanced inner valve assure constant outlet pressure even with changing supply pressure and flow fluctuations.		
Supply pressure	max. 16 bar / 240 psi,	at least 0.7 bar / 10 psi above outlet pressure	
Flow capacity	4500 l/min / 150 scfm	at 7 bar / 100 psi supply and 6 bar / 90 psi set pressure	
Exhaust capacity	460 l/min / 16 scfm	at 0.3 bar / 4 psi above setpoint	
Air consumption	2 l/min / 0.07 scfm	at 2 bar	Repeatability: < 10 mbar / 0.1 psi
Sensitivity	1 mbar / 0.4" W.C.	Temperature range: -20 °C to 60 °C / -4 °F to 140 °F	
Materials	Body: zinc Diaphragm: NBR (Buna N)	Inner valve: brass Spring: galvanized steel	



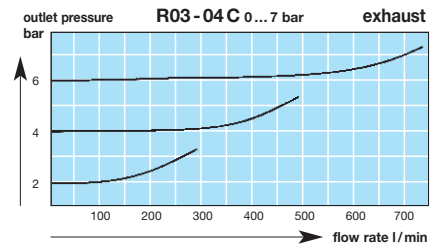
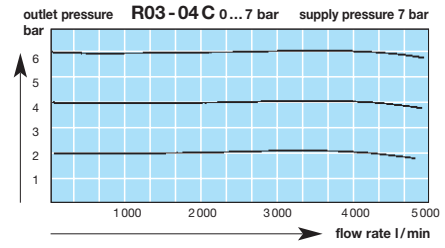
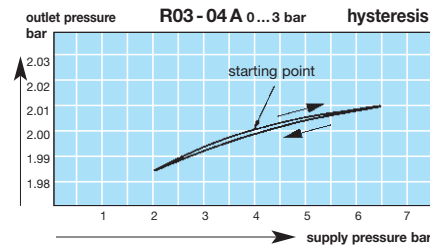
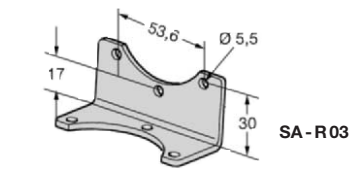
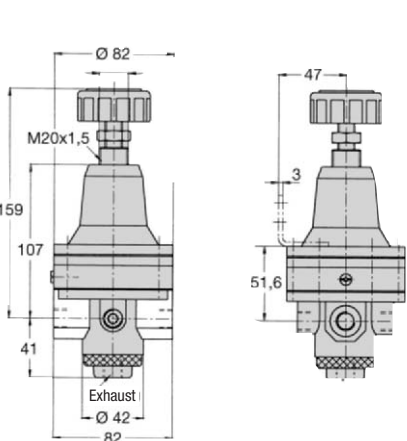
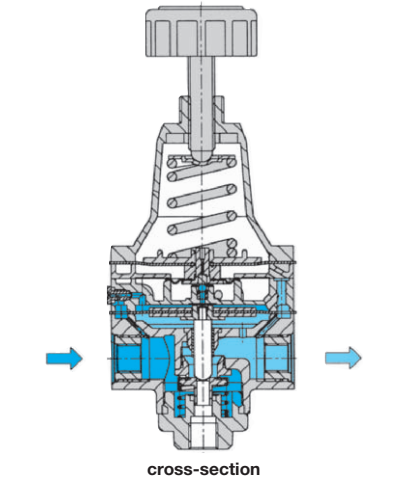
Dimensions	Supply pressure	K _v -value	Flow rate	Connection	Pressure range	Order number
height width	bar	(m ³ /h)	l/min*1	thread	bar	
mm mm				G*2		

Precision pressure regulator		tapped exhaust, constant bleed,	supply max. 16 bar silicone-free	R03			
200	82	5	2.8	3 300	G 1/4	0.01 ... 3	R03-02A
			7			0.02 ... 5	R03-02B
			10			0.04 ... 7	R03-02C
			12			0.05 ... 10	R03-02D
200	82	5	3.2	3 800	G 3/8	0.01 ... 3	R03-03A
			7			0.02 ... 5	R03-03B
			10			0.04 ... 7	R03-03C
			12			0.05 ... 10	R03-03D
200	82	5	3.8	4 500	G 1/2	0.01 ... 3	R03-04A
			7			0.02 ... 5	R03-04B
			10			0.04 ... 7	R03-04C
			12			0.05 ... 10	R03-04D



Special options add the appropriate letter

pressure gauge	Ø63	loose	G	R03-0..G
mounting bracket	SA-R03	loose	X	R03-0..X



*1 at 7 bar supply pressure and 6 bar outlet pressure *2 standard unit G 1/2 with smaller ports are reduced with fittings

For your information:	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"
------------------------------	-------------------------------------	---	-------------------------------------	--

Order example:
R03-04 C