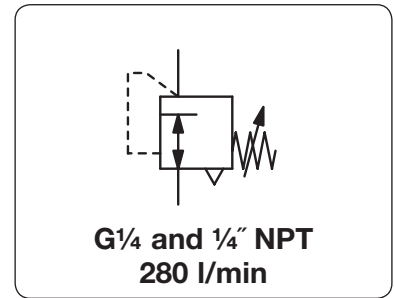


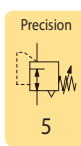
High Precision Pressure Regulator, Accurate to 5 mbar 53.10/53.13

Description	Regulator of proven reliability and durability designed for precise pressure regulation in the event of changes in flow, supply pressure and temperature. Slight exhaust sounds are normal.	
Note	To avoid leaks the mounting nut must be screwed tight.	
Media	dry, oil-free and 25 µm filtered compressed air	
Supply pressure	max. 10 bar	
Accuracy	at varying supply pressures: < 1 mbar pressure deviation at varying volume flows: < 5 mbar pressure deviation	
Air consumption	max. 2 l/min, subject to outlet pressure	
Adjustment	by handwheel with locknut, for panel mounting	Mounting position any
Relieving function	relieving, the exhaust valve's diameter is six times greater than the regulating valve's diameter	
Gauge port	G¼ or ¼" NPT on both sides of the body, identical with the connection thread	
Temperature range	0 °C to 70 °C / 32 °F to 158 °F, for appropriately conditioned compressed air down to -30 °C / -22 °F	
Material	Body: zinc die-cast	Measuring capsule: beryllium copper
	Elastomer: NBR/Buna-N	



Dimensions			Description	K _v value	Flow rate	Connection thread	Pressure range	Order number
A	B	C						
mm	mm	mm		(m ³ /h)	m ³ /h*1 l/min*1	G/NPT	bar	

Precision pressure regulator			supply pressure max. 10 bar, relieving, with constant bleed, accuracy 5 mbar				Manostat		
54	70	14	standard	0.16	17	280	G¼	0.14 ... 1.7 0.14 ... 4.0 0.14 ... 8.0	53.1002.4X 53.1002.5X 53.1002.6X
54	70	14	standard	0.16	17	280	¼" NPT	0.14 ... 1.7 0.14 ... 4.0 0.14 ... 8.0	53.1002.00 53.1003.00 53.1004.00
54	70	14	with gear 6:1	0.16	17	280	¼" NPT	0.14 ... 1.7 0.14 ... 4.0 0.14 ... 8.0	53.1002.96 53.1003.96 53.1004.96
54	70	14	tapped exhaust ¼" NPT	0.16	17	280	¼" NPT	0.14 ... 1.7 0.14 ... 4.0 0.14 ... 8.0	53.1302.00 53.1303.00 53.1304.00

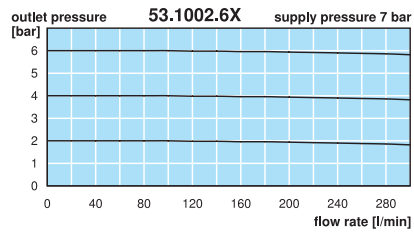
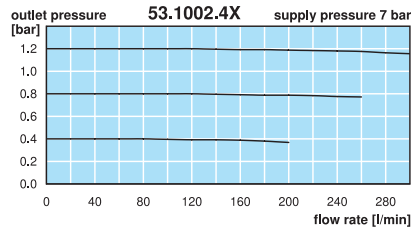
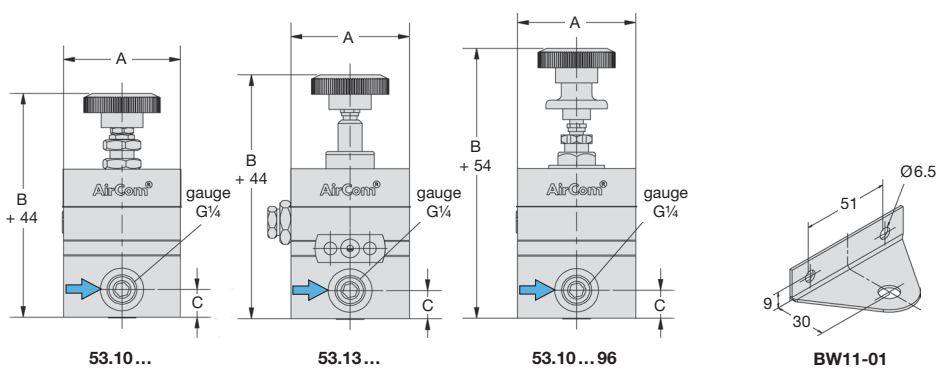
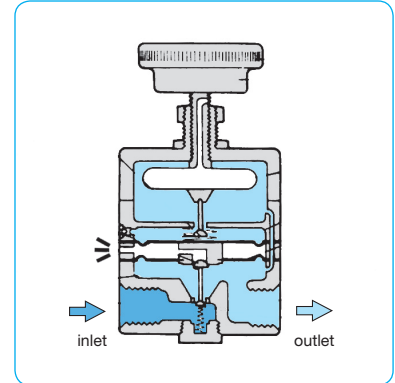


Special options, add the appropriate letter

tamper-proof cap	aluminium, adjustment by screwdriver, total height 109 mm	53.1.....T
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Accessories, enclosed

pressure gauge	Ø 50 mm, 0...*2 bar, G¼	MA5002-..*2 VP-0202N BW11-01
gauge connectors	for NPT ports, adapter ¼" NPT to G¼ female	
mounting bracket	made of steel, mounting nut at the device	



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