|	
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

**G¼ and ¼″ NPT
280 l/min**
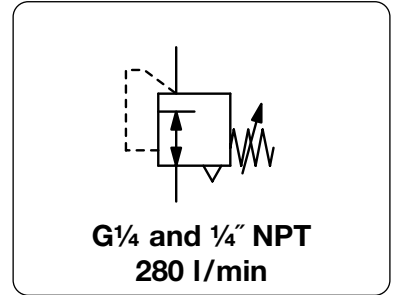
Dimensions			Description	Kᵥ-value	Flow rate		Connection thread	Pressure range	Order number
A	B	C							
mm	mm	mm		(m³/h)	m³/h*¹	l/min*¹	G/NPT	bar	

Precision pressure regulator   supply pressure max. 10 bar, relieving, with constant bleed, accuracy 5 mbar   **Manostat**

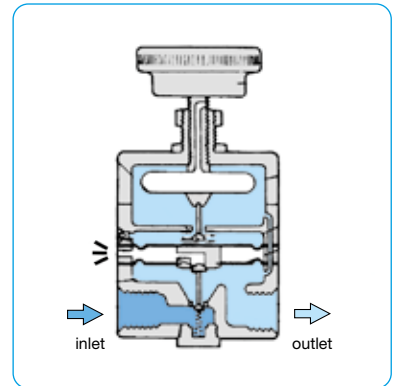|									
54	70	14	**standard**	0.16	17	280	G¼	0.14…1.7	**53.1002.4X**
								0.14…4.0	**53.1002.5X**
								0.14…8.0	**53.1002.6X**
54	70	14	**standard**	0.16	17	280	¼″ NPT	0.14…1.7	**53.1002.00**
								0.14…4.0	**53.1003.00**
								0.14…8.0	**53.1004.00**

53.1002.6X

Precision

5
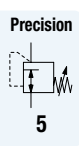
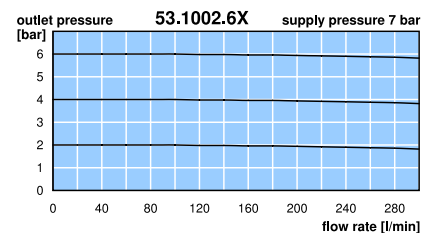## Special options, add the appropriate letter

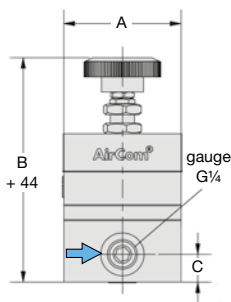**tamper-proof cap**   aluminium, adjustment by screwdriver,   total height 109 mm   53.1......**T**

inlet   outlet

cross-section

Accessories, enclosed

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

gauge G¼

53.10…

Ø6.5

51

9

30

BW11-01

53.1002.4X   supply pressure 7 bar

outlet pressure [bar]

flow rate [l/min]

53.1002.6X   supply pressure 7 bar

outlet pressure [bar]

flow rate [l/min]
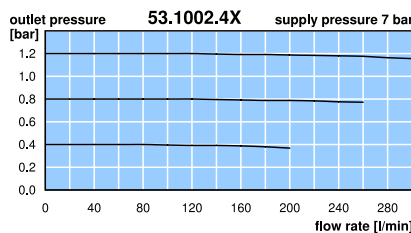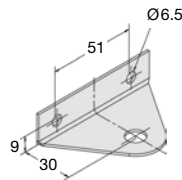
*¹ at 7 bar supply pressure and 1.4 bar outlet pressure
*² **02** = 0…2,5 bar, **04** = 0…4 bar, **10** = 0…10 bar

Gauges: see chapter for measuring devices

PDF   CAD
www.aircom.net

Order example:
53.1002.4X