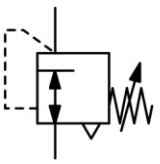
53.10 - Régulateur de pression, de très haute précision, avec consommation, très stable et sensible

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



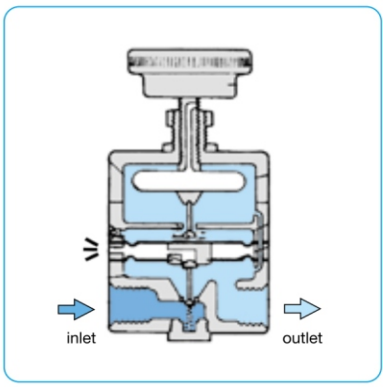
G¼ and ¼" NPT
280 l/min

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

Special options, add the appropriate letter

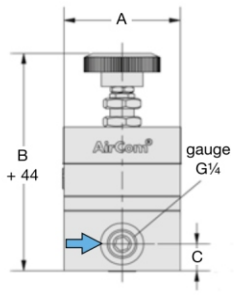
tamper-proof cap	aluminium, adjustment by screwdriver, total height 109 mm	53.1. . . . . **T**



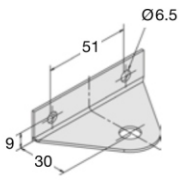
cross-section

Accessories, enclosed

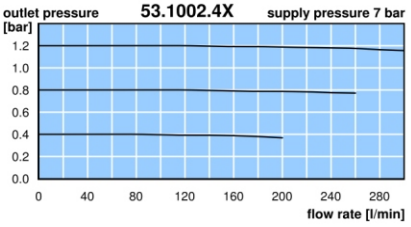
pressure gauge	Ø 50 mm, 0…*2 bar, G¼	**MA5002-..*2**
gauge connection	adapter ¼" NPT - G¼ female, made of brass, for NPT ports	**AM-06**
mounting bracket	made of steel, mounting nut at the device	**BW11-01**

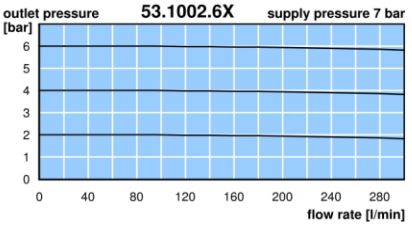


53.10…



BW11-01





*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

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