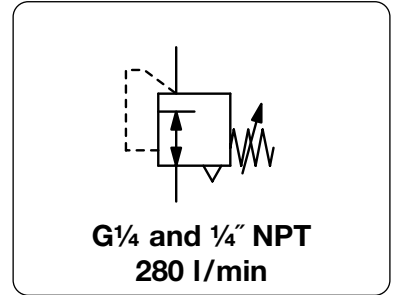


|                           |   |                                     |
|---------------------------|---|-------------------------------------|
| <b>Description</b>        | Regulator of proven reliability and durability designed for precise pressure regulation in the event of changes in flow, supply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



| Dimensions |   |   | Description | K <sub>v</sub> -value<br>(m³/h) | Flow rate<br>m³/h*1 l/min*1 | Connection thread<br>G/NPT | Pressure range<br>bar | Order number |
|------------|---|---|-------------|---------------------------------|-----------------------------|----------------------------|-----------------------|--------------|
| A          | B | C |             |                                 |                             |                            |                       |              |

| 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 |



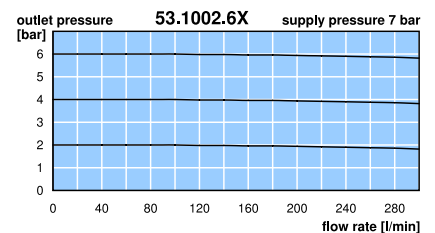
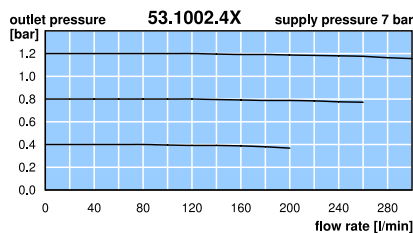
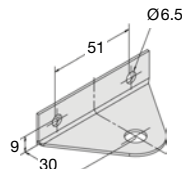
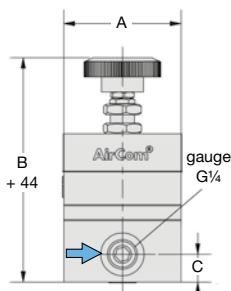
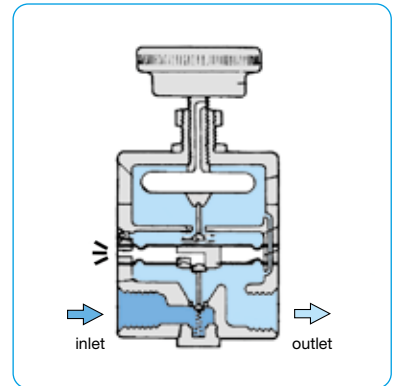
53.1002.6X

### Special options, add the appropriate letter

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

### 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**



\*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

\* Product group

Gauges: see chapter for measuring devices

PDF CAD  
www.aircom.net



Order example:  
53.1002.4X