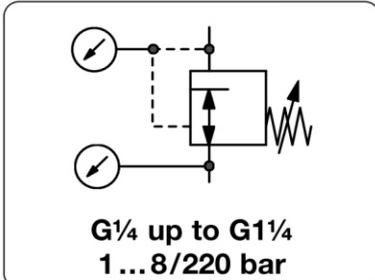


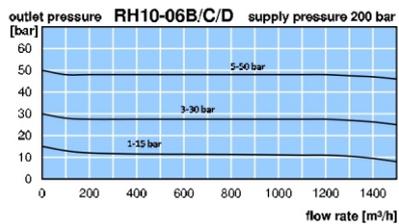
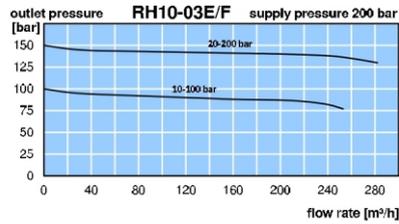
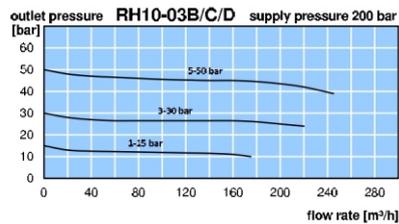
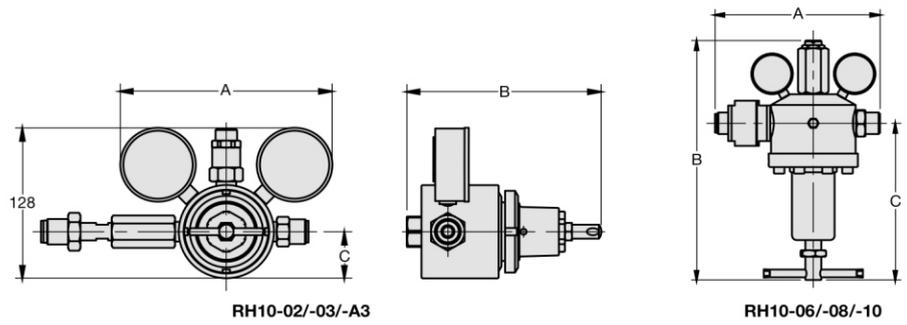
# RH10 - Régulateur très haute pression, 220 bar, FKM, PTFE, compatible avec de nombreux gaz : dioxyde de carbone, argon, hélium, hydrogène, méthane, oxygène ...

|                            |   |   |
|----------------------------|---|---|
| <b>Description</b>         | For outlet pressures up to 15 bar the regulator has a diaphragm, for higher outlets a piston.<br>A sintered bronze filter at the inlet port protects against contamination. |   |
| <b>Media</b>               | compressed air or non-corrosive gases   |   |
| <b>Supply pressure</b>     | max. 220 bar  |   |
| <b>Adjustment</b>          | RH10-02: by black plastic knob  | all others: by T-handle with locknut  |
| <b>Gauge port</b>          | All regulators are equipped with both one supply pressure gauge and one outlet pressure gauge.  |   |
| <b>Safety relief valve</b> | prevents from overpressure, see chart   |   |
| <b>Compensation</b>        | All regulators are equipped with supply pressure variation compensation, so that a change in supply pressure has no effect on the outlet pressure's stability.              |   |
| <b>Temperature range</b>   | -20 °C to 60 °C / -4 °F to 140 °F   |   |
| <b>Material</b>            | Body: brass, nickel-plated at RH10-02<br>Piston: brass at RH10-02<br>Valve seat: nylon<br>Diaphragm: stainless steel at RH10-02, NBR/Buna-N at all others                   | <b>Mounting position</b> any<br>Inlet filter: sintered bronze<br>O-rings: EPDM or FKM, dependent on media |



| Dimensions |    |    | Safety relief valve | K <sub>v</sub> -value | Flow rate           | Connection thread | Pressure range | Order number |
|------------|----|----|---------------------|-----------------------|---------------------|-------------------|----------------|--------------|
| A          | B  | C  |                     |                       |                     |                   |                |              |
| mm         | mm | mm | S: with valve       | (m <sup>3</sup> /h)   | m <sup>3</sup> /h*1 | l/min*1           | inlet / outlet | bar          |

| High pressure regulator 220 bar |     |     | non-relieving, for compressed air, pressure gauges supplied |      |      |       | RH10   |             |                 |
|---------------------------------|-----|-----|---|------|------|-------|--|-------------|-----------------|
| 176                             | 145 | 35  | S   | 0.05 | 80   | 1300  | DIN 477 / G <sup>1</sup> / <sub>4</sub> f  | 1 ... 8     | <b>RH10-02A</b> |
|                                 |     |     | S   |      |      |       |  | 1 ... 15    | <b>RH10-02B</b> |
| 176                             | 163 | 35  | S   |      |      |       |  | 3 ... 30    | <b>RH10-02C</b> |
|                                 |     |     | S   |      |      |       |  | 5 ... 50    | <b>RH10-02D</b> |
|                                 |     |     | S   |      |      |       |  | 10 ... 100  | <b>RH10-02E</b> |
|                                 |     |     | -   |      |      |       |  | 20 ... 200  | <b>RH10-02F</b> |
| 184                             | 176 | 40  | S   | 0.19 | 228  | 3800  | DIN 477 / G <sup>3</sup> / <sub>8</sub> f  | 0.1 ... 1.5 | <b>RH10-030</b> |
|                                 |     |     | S   |      |      |       |  | 1 ... 15    | <b>RH10-03B</b> |
|                                 |     |     | S   |      |      |       |  | 3 ... 30    | <b>RH10-03C</b> |
|                                 |     |     | S   |      |      |       |  | 5 ... 50    | <b>RH10-03D</b> |
| 184                             | 186 | 40  | -   |      |      |       | RH10-04<br>for DIN 477 / G <sup>1</sup> / <sub>2</sub> f                         | 10 ... 100  | <b>RH10-03E</b> |
|                                 |     |     | -   |      |      |       |  | 20 ... 200  | <b>RH10-03F</b> |
| 182                             | 245 | 102 | S   | 0.25 | 422  | 7000  | G <sup>3</sup> / <sub>8</sub> f / G <sup>3</sup> / <sub>8</sub> m                | 0.1 ... 1.5 | <b>RH10-A30</b> |
|                                 |     |     | S   |      |      |       |  | 1 ... 15    | <b>RH10-A3B</b> |
| 182                             | 260 | 102 | S   |      |      |       |  | 3 ... 30    | <b>RH10-A3C</b> |
|                                 |     |     | S   |      |      |       | RH10-A4<br>for G <sup>3</sup> / <sub>8</sub> f / G <sup>1</sup> / <sub>2</sub> m | 5 ... 50    | <b>RH10-A3D</b> |
| 182                             | 195 | 35  | -   |      |      |       |  | 10 ... 100  | <b>RH10-A3E</b> |
|                                 |     |     | -   |      |      |       |  | 20 ... 200  | <b>RH10-A3F</b> |
| 166                             | 345 | 232 | S   | 0.6  | 2000 | 33000 | G <sup>3</sup> / <sub>4</sub> a / G <sup>3</sup> / <sub>4</sub> m                | 1 ... 8     | <b>RH10-06A</b> |
|                                 |     |     | S   |      |      |       |  | 1 ... 15    | <b>RH10-06B</b> |
| 166                             | 358 | 245 | S   |      |      |       |  | 3 ... 30    | <b>RH10-06C</b> |
|                                 |     |     | S   |      |      |       |  | 5 ... 50    | <b>RH10-06D</b> |
|                                 |     |     | -   |      |      |       |  | 10 ... 100  | <b>RH10-06E</b> |
| 253                             | 370 | 242 | S   | 1.8  | 3000 | 48000 | G <sup>1</sup> / <sub>2</sub> m / G <sup>1</sup> / <sub>2</sub> m                | 1 ... 8     | <b>RH10-08A</b> |
|                                 |     |     | S   |      |      |       |  | 1 ... 15    | <b>RH10-08B</b> |
| 253                             | 406 | 278 | S   |      |      |       |  | 3 ... 30    | <b>RH10-08C</b> |
|                                 |     |     | S   |      |      |       |  | 5 ... 50    | <b>RH10-08D</b> |
| 253                             | 406 | 278 | -   |      |      |       |  | 20 ... 200  | <b>RH10-08F</b> |



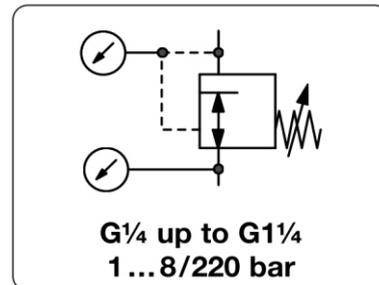
\*1 at 200 bar supply pressure and 15 bar outlet pressure

\*2 max. 80 bar outlet pressure



# RH10 - Régulateur très haute pression, 220 bar, FKM, PTFE, compatible avec de nombreux gaz : dioxyde de carbone, argon, hélium, hydrogène, méthane, oxygène ...

|                            |   |   |
|----------------------------|---|---|
| <b>Description</b>         | For outlet pressures up to 15 bar the regulator has a diaphragm, for higher outlets a piston.<br>A sintered bronze filter at the inlet port protects against contamination. |   |
| <b>Media</b>               | compressed air or non-corrosive gases   |   |
| <b>Supply pressure</b>     | max. 220 bar  |   |
| <b>Adjustment</b>          | RH10-02: by black plastic knob  | all others: by T-handle with locknut  |
| <b>Gauge port</b>          | All regulators are equipped with both one supply pressure gauge and one outlet pressure gauge.  |   |
| <b>Safety relief valve</b> | prevents from overpressure, see chart   |   |
| <b>Compensation</b>        | All regulators are equipped with supply pressure variation compensation, so that a change in supply pressure has no effect on the outlet pressure's stability.              |   |
| <b>Temperature range</b>   | -20 °C to 60 °C / -4 °F to 140 °F   |   |
| <b>Material</b>            | Body: brass, nickel-plated at RH10-02<br>Piston: brass at RH10-02<br>Valve seat: nylon<br>Diaphragm: stainless steel at RH10-02, NBR/Buna-N at all others                   | <b>Mounting position</b> any<br>Inlet filter: sintered bronze<br>O-rings: EPDM or FKM, dependent on media |



| Dimensions |    |    | Safety relief valve | K <sub>v</sub> -value | Flow rate | Connection thread | Pressure range | Order number |
|------------|----|----|---------------------|-----------------------|-----------|-------------------|----------------|--------------|
| A          | B  | C  |                     |                       |           |                   |                |              |
| mm         | mm | mm | S: with valve       | (m³/h)                | m³/h*1    | l/min*1           | inlet / outlet | bar          |

| High pressure regulator 220 bar |     |     |   | non-relieving, for compressed air, pressure gauges supplied |      |       | RH10      |         |                 |
|---------------------------------|-----|-----|---|---|------|-------|-----------|---------|-----------------|
| 248                             | 385 | 270 | S | 3.1   | 5000 | 80000 | G1m / G1¼ | 1... 8  | <b>RH10-10A</b> |
|                                 |     |     | S |   |      |       |           | 1... 15 | <b>RH10-10B</b> |
|                                 |     |     | S |   |      |       |           | 3... 30 | <b>RH10-10C</b> |
| 248                             | 420 | 305 | S |   |      |       |           | 5... 50 | <b>RH10-10D</b> |



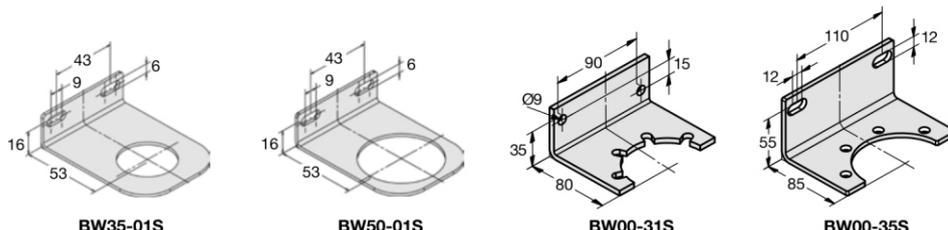
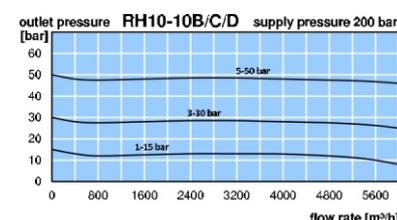
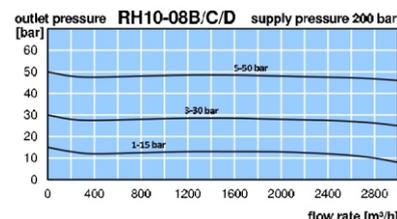
RH10-08B

## Special options, add the appropriate letter

|                             |   |              |
|-----------------------------|---|--------------|
| relieving                   | with relieving function, for compressed air | RH10-... R   |
| FKM elastomer               |   | RH10-... V   |
| PTFE elastomer              |   | RH10-... T   |
| SST diaphragm               | from RH10-03                                | RH10-... S   |
| for panel mounting          | for RH10-02 to -A3                          | RH10-... P   |
| carbon dioxide *2           | CO <sub>2</sub>                             | RH10-... 03  |
| argon                       | Ar  | RH10-... 05  |
| nitrogen                    | N <sub>2</sub>                              | RH10-... 07  |
| helium                      | He  | RH10-... 09  |
| hydrogen                    | H <sub>2</sub>                              | RH10-... 11  |
| methane                     | CH <sub>4</sub>                             | RH10-... 13  |
| oxygen                      | O <sub>2</sub>                              | RH10-... 15  |
| propane                     | C <sub>3</sub> H <sub>8</sub>               | RH10-... 16  |
| nitrous oxide               | N <sub>2</sub> O                            | RH10-... 17  |
| without cylinder connection |   | RH10-... X40 |

## Accessories, enclosed

|                  |                         |                     |                 |
|------------------|-------------------------|---------------------|-----------------|
| mounting bracket | made of stainless steel | for RH10-02         | <b>BW35-01S</b> |
| mounting nut     |                         | for RH10-02         | <b>M35x1,5S</b> |
| mounting bracket |                         | for RH10-03 and -A3 | <b>BW50-01S</b> |
| mounting nut     |                         | for RH10-03 and -A3 | <b>M50x1,5S</b> |
| mounting bracket |                         | for RH10-06         | <b>BW00-31S</b> |
|                  |                         | for RH10-08         | <b>BW00-35S</b> |



\*1 at 200 bar supply pressure max. outlet pressure

\*2 max. 80 bar outlet pressure

