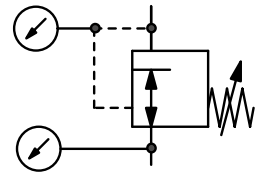


|                          |                                                                                                                                                                |                              |                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------|
| <b>Description</b>       | High pressure regulator for gas cylinders for reducing pressure of compressed air or liquid gases from a high level to the required pressure.                  |                              |                    |
| <b>Supply pressure</b>   | max. 200 bar                                                                                                                                                   |                              |                    |
| <b>Media</b>             | compressed air, oxygen or different gases                                                                                                                      |                              |                    |
| <b>Connections</b>       | according to DIN 477 (Part 1)                                                                                                                                  |                              |                    |
| <b>Adjustment</b>        | by T-handle                                                                                                                                                    |                              |                    |
| <b>Gauge port</b>        | All regulators are equipped with both one supply pressure gauge and one outlet pressure gauge.                                                                 |                              |                    |
| <b>Leakage rate</b>      | 10 <sup>-8</sup> mbar l/s                                                                                                                                      |                              |                    |
| <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> | -30 °C to 60 °C / -22 °F to 140 °F                                                                                                                             |                              |                    |
| <b>Material</b>          | Body: brass                                                                                                                                                    | O-rings: NBR/Buna-N and EPDM | Spring cage: brass |
|                          | Diaphragm: 65NBR4550, PTFE for outlet > 10 bar, stainless steel for pure gases up to 5.0                                                                       |                              |                    |



**P<sub>1</sub>: max. 200 bar**  
**0 ... 1.5/40 bar**

| Dimensions |    |    | Version | Flow rate           |         | Supply pressure | Pressure range | Order number | D* |
|------------|----|----|---------|---------------------|---------|-----------------|----------------|--------------|----|
| A          | B  | C  |         | m <sup>3</sup> /h*2 | l/min*2 |                 |                |              |    |
| mm         | mm | mm | 1-step  |                     |         | max. bar        | bar            |              |    |
|            |    |    | 2-step  |                     |         |                 |                |              |    |

## Cylinder pressure regulator 200 bar for compressed air, connections DIN 477, with inlet / outlet gauges RH201/RH202

|     |     |     |        |     |      |     |           |           |
|-----|-----|-----|--------|-----|------|-----|-----------|-----------|
| 210 | 190 | 100 | 1-step | 48  | 800  | 200 | 0 ... 10  | RH201-00C |
| 210 | 210 | 120 |        | 75  | 1250 |     | 0 ... 20  | RH201-00D |
|     |     |     |        | 120 | 2000 |     | 0 ... 40  | RH201-00E |
| 240 | 190 | 100 | 2-step | 8   | 133  | 200 | 0 ... 1.5 | RH202-00A |
|     |     |     |        | 48  | 800  |     | 0 ... 10  | RH202-00C |



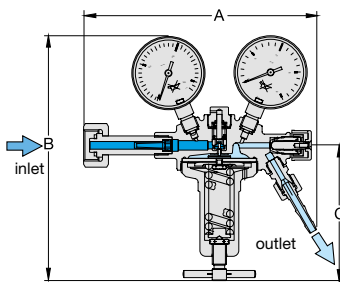
RH201, 1-step

## Regulator for propane and acetylene connections DIN 477, with inlet / outlet gauges RH201

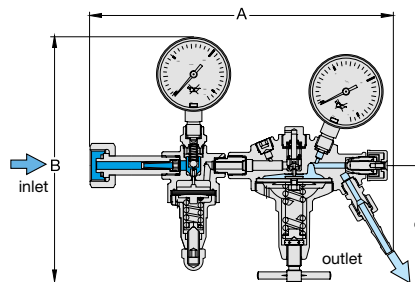
|     |     |     |        |           |                               |         |           |             |
|-----|-----|-----|--------|-----------|-------------------------------|---------|-----------|-------------|
| 210 | 190 | 100 | 1-step | propane   | C <sub>3</sub> H <sub>8</sub> | max. 8  | 0 ... 4.0 | RH201-00B16 |
| 210 | 190 | 100 | 1-step | azetylene | C <sub>2</sub> H <sub>2</sub> | max. 26 | 0 ... 1.5 | RH201-00A19 |

## Special options, change the appropriate letter

|                    |                    |              |
|--------------------|--------------------|--------------|
| carbon dioxide     | CO <sub>2</sub>    | RH20 .-...03 |
| inert gas          |                    | RH20 .-...04 |
| argon              | Ar                 | RH20 .-...05 |
| fuel gas           |                    | RH20 .-...06 |
| nitrogen           | N <sub>2</sub>     | RH20 .-...07 |
| forming gas        |                    | RH20 .-...08 |
| helium             | He                 | RH20 .-...09 |
| hydrogen           | H <sub>2</sub>     | RH20 .-...11 |
| testing gas        |                    | RH20 .-...12 |
| oxygen             | O <sub>2</sub>     | RH20 .-...15 |
| chrome-plated body | inside and outside | RH20 .-C...  |
| metal diaphragm    | 5.0 purity         | RH20 .-M...  |



cross-section, 1-step



cross-section, 2-step

| connection thread up to 200 bar |                                        |                                  |
|---------------------------------|----------------------------------------|----------------------------------|
| gas type                        | inlet *1                               | outlet                           |
| compressed air                  | G <sup>3</sup> / <sub>8</sub> m        | G <sup>1</sup> / <sub>4</sub>    |
| oxygen                          | G <sup>3</sup> / <sub>8</sub> f        | G <sup>1</sup> / <sub>4</sub>    |
| inert gas                       | W21, 8x <sup>1</sup> / <sub>4</sub>    | G <sup>1</sup> / <sub>4</sub>    |
| CO <sub>2</sub> / argon         | W21, 8x <sup>1</sup> / <sub>4</sub>    | G <sup>1</sup> / <sub>4</sub>    |
| helium                          | W21, 8x <sup>1</sup> / <sub>4</sub>    | G <sup>1</sup> / <sub>4</sub>    |
| fuel gas                        | W21, 8x <sup>1</sup> / <sub>4</sub> LH | G <sup>3</sup> / <sub>8</sub> LH |
| hydrogen                        | W21, 8x <sup>1</sup> / <sub>4</sub> LH | G <sup>3</sup> / <sub>8</sub> LH |
| forming gas                     | W21, 8x <sup>1</sup> / <sub>4</sub> LH | G <sup>3</sup> / <sub>8</sub> LH |

| connection thread up to 200 bar |                                     |                                  |
|---------------------------------|-------------------------------------|----------------------------------|
| gas type                        | inlet *1                            | outlet                           |
| nitrogen                        | W24,32x <sup>1</sup> / <sub>4</sub> | G <sup>1</sup> / <sub>4</sub>    |
| testing gas                     | M19x1,5 LH                          | G <sup>3</sup> / <sub>8</sub> LH |
| nitrous oxide                   | G <sup>3</sup> / <sub>8</sub>       | G <sup>1</sup> / <sub>4</sub>    |
| azetylene                       | clamp (cylinder)                    | G <sup>3</sup> / <sub>8</sub> LH |

| flow rate - correction factor |                               |        |
|-------------------------------|-------------------------------|--------|
| gas type                      |                               | factor |
| compr. air                    |                               | 1.00   |
| oxygen                        | O <sub>2</sub>                | 0.95   |
| carbon dioxide                | CO <sub>2</sub>               | 0.81   |
| hydrogen                      | H <sub>2</sub>                | 3.80   |
| argon                         | Ar                            | 0.85   |
| helium                        | He                            | 2.70   |
| propane                       | C <sub>3</sub> H <sub>8</sub> | 0.80   |
| nitrous oxide                 | N <sub>2</sub> O              | 0.80   |

\*1 Thread according to DIN 477, Part 1

\*2 at supply pressure of 2x outlet pressure + 1 bar

only left hand thread is marked LH, right hand RH is not marked.

\* Product group

PDF CAD  
www.aircom.net



Order example:  
RH201-00C



RH201-C..., chrome-plated