

R Series Regulators

HPC Single and Two Stage Regulators



R21 *



R31 *

Calgaz offers a choice of standard high pressure regulators for use with our High Pressure Cylinders (HPC's)

The R21 is a single stage, high purity regulator, designed for applications where low-pressure is required. The R31 is a dual-stage, high purity style regulator, designed for applications where a consistent outlet pressure and flow is desired. Both R21 and R31 are available in nickel-plated brass and stainless steel.

All stocked R21 and R31 regulators are supplied with 1/4" NPT Female inlet and outlet fittings. Calgaz can supply connectors to fit British Standard (BS), DIN and CGA cylinders. We can also adapt R21 and R31 to fit non-refillable cylinders. All regulators carry a 24 month warranty and can often be shipped to you the next working day.

For more information or requests regarding other regulators for HPC applications please contact us.

** These photos are for illustration only. The actual supply of products may differ.*

Features

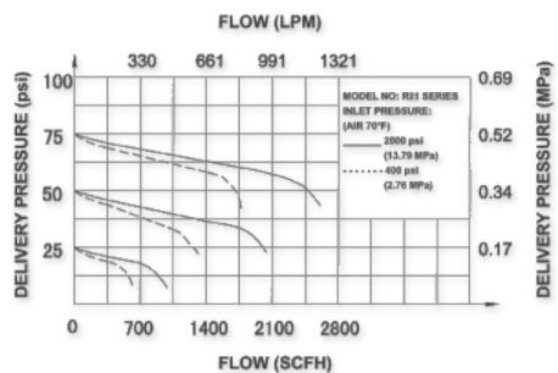
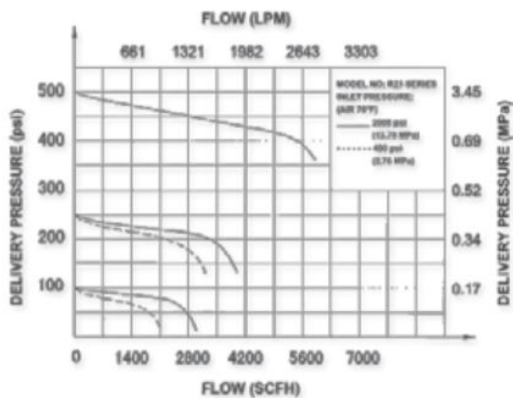
| | Configuration | Inlet Pressure | Outlet Pressure | Body Port Size | Material | Stability | Weight |
|------|---------------|------------------|-----------------|----------------|-----------------|--------------------|-----------------|
| R21B | Single Stage | 200bar (2900psi) | 3.5 or 7 bar | 1/4" NPT(F) | NI-Brass | Non reactive Gases | 1.8 kg (4 lbs) |
| R21S | Single Stage | 200bar (2900psi) | 3.5 or 7 bar | 1/4" NPT(F) | Stainless Steel | Reactive Gases | 1.8 kg (4 lbs) |
| R31B | Two Stage | 200bar (2900psi) | 3.5 or 7 bar | 1/4" NPT(F) | NI-Brass | Non-Reactive Gases | 2.1 kg (4.6lbs) |
| R31S | Two Stage | 200bar (2900psi) | 3.5 or 7 bar | 1/4" NPT(F) | Stainless Steel | Reactive Gases | 2.1 kg (4.6lbs) |

Temperature Range: 40°F to 165°F (-40°C to 74°C)

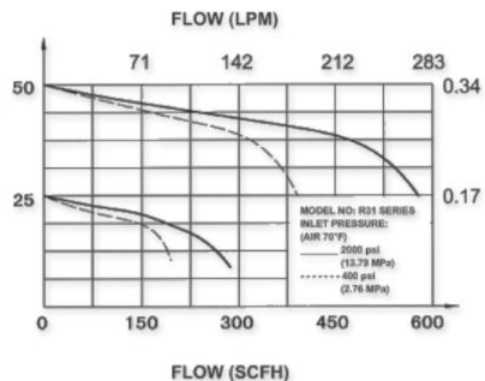
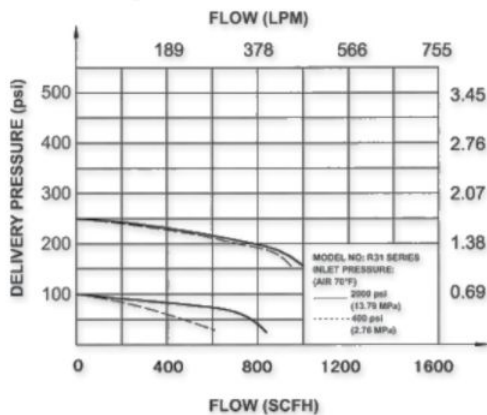
Temperature Range 2 x 10 atm.cc/sec He

Connectors 1/4" NPT(F) to available with British Standard (BS), US CGA or DIN

Flow Diagrams **R21**



Flow Diagrams **R31**



* Not available from our Cambridge, MD USA facility

Stem Connectors

Range of US, UK and European adaptors

Commonly used with Reactive gases



CGA 330



CGA 580



BS 15 *

Commonly used with Non Reactive gases



CGA 350



DIN 10 *



BS 3 *



BS 4 *

Calgaz is the world's leading manufacturer of calibration gases and equipment. We are proud to offer the most comprehensive range of specialist regulators and associated equipment for non-refillable (NRC) and high pressure (HPC) refillable gas cylinders.

As part of our range we can supply a variety of cylinder valve connectors (Stem connectors). All the connectors supplied conform to either British (BS), US (CGA) or European (DIN) standards. Calgaz is able to supply

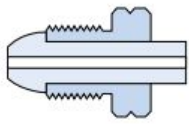
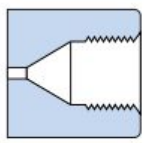
- BS3, BS4, and BS15
- CGA330, CGA350 and CGA580
- DIN 10

All connectors are approved for a working pressure up to 200 Bar and can be supplied in Brass or Stainless Steel and are generally ¼" NPT inlet with a range of outlets to meet your requirements.

All stem connectors carry a 24 month warranty and we recommend replacing them after two years of service and can often be shipped to you the next working day.

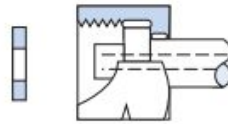
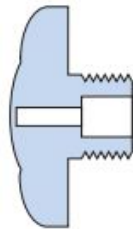
** Not available from our Cambridge, MD USA facility*

Stem Connectors

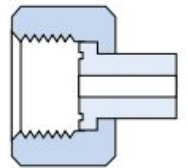
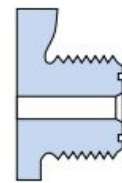


BS 3

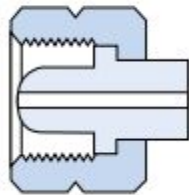
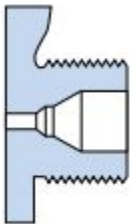
BS 4



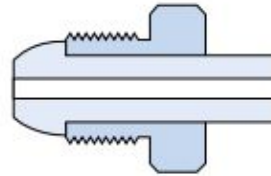
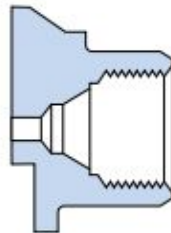
BS 15



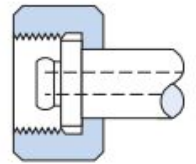
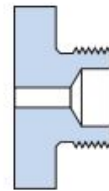
CGA 330



CGA 350



CGA 580



DIN 10



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