

FF20 Series Regulators

Fixed Flow Regulators for 1AL Cylinders



FF20 Septum



FF20 Stem Flow



FF20 Flow Meter



FF20 Nozzle

Calgaz, the world's leading manufacturer of calibration gases and equipment is proud to offer the most comprehensive range of specialist regulators in the world for non-refillable and portable gas cylinders.

The FF20 series has been developed to specifically fit the 1AL aerosol type cylinder. Calgaz offers four variations of the FF20.

The Septum Model allows gas to be withdrawn by syringe as required. The Stem Flow version and Flow Meter versions are both fitted with a flow rate indicator using a floating ball indicator, the Flow Meter having a higher minimum flow rate. The Stem Flow is also fitted with a small inlet pressure gauge to allow the user to estimate the volume of gas remaining in the cylinder. Calgaz can also offer Nozzle which is a push fit onto the 1ALU cylinder.

All regulators carry a 24 month warranty and we recommend replacing them after 5 years of service and can often be shipped to you the next working day. Contact us to find out more information.

If you want to find out more information or get a quote,
please contact us at: info@calgaz.com

PERFORMANCE						
	Inlet	Outlet	Flow	Stages	Max Inlet Pressure	On /Off Knob
FF20 Septum	7/16" x 28 UNF -2B Aerosol	Septum	-	1	11 bar	Yes
FF20 Stem Flow	7/16" x 28 UNF -2B Aerosol	4mm Barb - HDPE	0.25 to 1.0 LPM	1	11 bar	Yes with Brass 28 bar max gauge
FF20 Flow Meter	7/16" x 28 UNF -2B Aerosol	4mm Barb - HDPE	0.5 to 1.0 LPM	1	11 bar	Yes

MATERIALS OF CONSTRUCTION							
	Body	Needle	Seals	Flow Meter	Plating	Knob	Weight
FF20 Septum	Ni-Brass	Brass	Nitrile	-	Ni-Brass	Aluminium	0.06kg (0.13lb)
FF20 Stem Flow	Aluminium - SS 303	SS 303	Viton	Acrylic	Ni-Brass	Aluminium	0.14kg (0.31lb)
FF20 Flow Meter	Ni-Brass	Brass	Nitrile	Acrylic	Ni-Brass	Aluminium	0.14kg (0.31lb)

GAS SUITABILITY		
	Non-Reactive	H2S & SO2
FF20 Septum	Suitable	Suitable
FF20 Stem Flow	Suitable	Suitable
FF20 Flow Meter	Suitable	Suitable
FF20 Nozzle	Suitable	Suitable

CYLINDERS COMPATIBILITY		
	1ALE	1ALU
FF20 Septum	✓	
FF20 Stem Flow	✓	
FF20 Flow Meter	✓	
FF20 Nozzle		✓

For more information contact us at:

info@calgaz.com

or

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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-flow 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.

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

Features

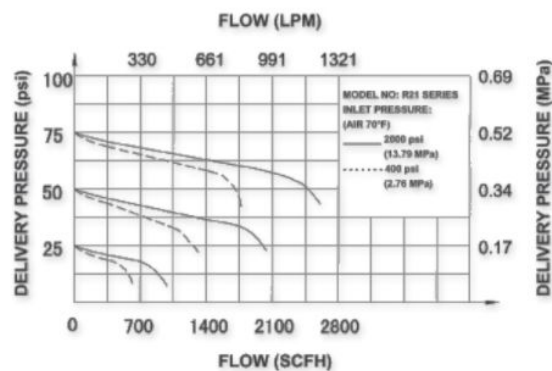
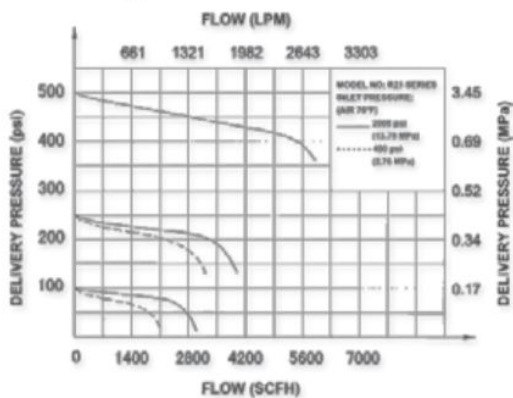
	Configuration	Inlet Pressure	Outlet Pressure	Body Port Size	Material	Stability	Weight
R21B	Single Stage	137bar (2000psi)	3.5 or 7 bar	1/4" NPT(F)	NI-Brass	Non reactive Gases	1.8 kg (4 lbs)
R21S	Single Stage	137bar (2000psi)	3.5 or 7 bar	1/4" NPT(F)	NI-Brass	Reactive Gases	1.8 kg (4 lbs)
R31B	Two Stage	137bar (2000psi)	3.5 or 7 bar	1/4" NPT(F)	NI-Brass	Non-Reactive Gases	2.1 kg (4.6lbs)
R31S	Two Stage	137bar (2000psi)	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**

