

2000 Series Regulators

Demand Flow Regulators



DFR 2001



DFR 2003



DFR 2004



DFR 2006



DFR 2007



DFR 2008 *

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

The Demand Flow Regulator is designed to work with pumped instruments. The regulator enables gas to flow when a vacuum exceeding 3" water gauge is pulled by the instrument. The regulator allows the calibration gas to flow at the rate required by the instrument, automatically cutting off the flow when the instrument is switched off.

The award winning, patented DFR, has been one of the most innovative products introduced into the industry in the past few years.

The DFR 2001 is used for the whole range of gases supplied by Calgaz with an inlet pressure up to 1000 psi and for cylinders using the C10 fitting. The DFR 2003 has been developed for high pressure usage up to 3000 psi and comes with a CGA fitting. The DFR 2004 is specifically recommended for very reactive gases such as Cl₂ and HCN using a C10 valve and the DFR 2006 for the high pressure version. The DFR 2007 is the correct regulator for use on cylinders fitted with a CGA 600 valve used for non reactive gases. The DFR 2008 is also for very reactive gases and manufactured from Stainless Steel.

All regulators carry a 24 month warranty and we recommend replacing them after 2 years of service. Calgaz regulators can often be despatched to you the next working day. Contact us to find out more information.

** Can only be shipped from our Stoke, UK facility*

PERFORMANCE							
	Inlet	Outlet	on-Demand Flow Rate	Stages	Max Inlet Pressure	Demand Pressure	Gauge/Knob
DFR 2001	5/8 - UNF C-10	4.8mm (3/16") Tubing	0 to 3 LPM	2	70 Bar (1000 Psi)	5.6mm (3" H2O)	0-70 Bar (0-1000 Psi)
DFR 2003	1/4" NPT Female*	4.8mm (3/16") Tubing	0 to 3 LPM	2	150 Bar (2200 Psi)	5.6mm (3" H2O)	0-207 Bar (0-3000 Psi)
DFR 2004	5/8 - UNF C-10	4.8mm (3/16") Tubing	0 to 3 LPM	2	70 Bar (1000 Psi)	5.6mm (3" H2O)	0-70 Bar (0-1000 Psi)
DFR 2006	1/4" NPT Female*	4.8mm (3/16") Tubing	0 to 3 LPM	2	150 Bar (2200 Psi)	5.6mm (3" H2O)	0-207 Bar (0-3000 Psi)
DFR 2007	CGA 600	4.8mm (3/16") Tubing	0 to 3 LPM	2	35 Bar (500 Psi)	5.6mm (3" H2O)	0-35 Bar (0-500 Psi)
DFR 2008	5/8 - UNF C-10	4.8mm (3/16") Tubing	0 to 3 LPM	2	70 Bar (1000 Psi)	5.6mm (3" H2O)	0-70 Bar (0-1000 Psi)

* Various connection including BS & CGA

MATERIALS OF CONSTRUCTION						
	Body	Diaphragm	Piston	Piston Seal	Seat	Weight
DFR 2001	Ni-Brass	Buna	Ni-Brass	PTFE	Buna	0.63kg (1lb)
DFR 2003	Ni-Brass	Buna	Ni-Brass	PTFE	Buna	0.63kg (1lb)
DFR 2004	Ni-Brass	PVC	Ni-Brass	PTFE	Viton	0.63kg (1lb)
DFR 2006	Ni-Brass	PVC	Ni-Brass	PTFE	Viton	0.63kg (1lb)
DFR 2007	Ni-Brass	Buna	Ni-Brass	PTFE	Buna	0.63kg (1lb)
DFR 2008	Stainless Steel	Nitrile	Stainless Steel	Viton	Teflon/PCTFE	0.49kgs

CYLINDERS COMPATIBILITY								
	2AL	6D	6DM	7HP	8AL	10AL	5ELR	65ALR
DFR 2001	✓	✓	✓		✓	✓		
DFR 2003							✓	✓
DFR 2004	✓	✓			✓	✓		
DFR 2006							✓	✓
DFR 2007				✓				
DFR 2008	✓	✓	✓		✓	✓		