Saffire 300 Series 1ec Single-Stage Regulators

The single stage range of Saffire regulators continue the Saffire tradition of providing a comprehensive selection of robust and reliable units for the control of industrial fuel gases.

The Saffire “Heart Valve” is at the heart of every regulator and provides full encapsulation of the working parts for maximum dependability. This component is custom designed for the specific gas service with both high tensile brass and stainless steel variants as appropriate.

All the Saffire 300 Series 1ec regulators are fully compliant and certified to BS EN ISO 2503.

- Solid forged brass body with all operational data permanently engraved
- Fully compliant and certified to BS EN ISO 2503
- Unique encapsulated valve design for maximum control
- Easy read gauge faces calibrated in bar and psi
- High strength bonnet to provide full 300 bar inlet capability
- Solid bulkhead gauges with clear faces

For very heavy duty applications in arduous conditions both gaugeless and indicator regulators are available.

The indicator provides a reference to the contents of the cylinder but cannot be easily damaged like a gauge. Ideal for site work and scrap reclamation.

GAUGES
Solid bulkhead construction and easy-read faces.

DIAPHRAGMS
At the heart of Series 1ec Regulators – a real breakthrough in design, being so simple in concept and yet so effective in service. The unbroken surface suspended between springs ensures the full area is available for use.

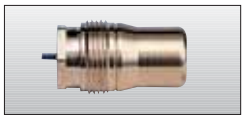
AUDIBLE SAFETY VALVE
High discharge unit which resets when safe conditions are restored.

BONNET
New conical high strength bonnet to safely contain the increased cylinder pressures.

FORGED BODY
Solid construction to fully contain the 300 bar service pressure.

P.A. KNOB
Markings to show gas type and pressure.

HEART VALVE
Unique encapsulated control valve for maximum dependability and accurate control.



BCGA CP7 MARK
Shows when the regulator needs replacement or refurbishment.

INLET FILTER
Prevents foreign matter entering the regulator. Reduces the velocity of incoming gas and protects the mechanism.

Footnote

Connections are RH for Oxygen, Argon.
LH for Acetylene, Propane.

Max Inlet Pressure – Acetylene & Propane 25 bar (362lbf/in²) Oxygen 300 bar (4350lbf/in²)

* It is recommended that flashback arrestors are fitted when using these regulators for oxy/fuel gas processes.

INSPECTION 2010 REPLACEMENT

Maximum pressures are those achievable with flowrates as defined in BS EN ISO 2503 Maximum flow is achievable at expense of pressure.		Max Outlet Pressure bar	psi	Max Flow Lit/Min	Ft³/h	Model (Gas-Bar)	Part No
Acetylene	General welding, cutting & heating applications	1.3	18.75	313	650	A-1.5	0701282685*
Oxygen	General cutting & welding	4	60	820	1740	O-4	0701282681*
Oxygen	Cutting & heating	10	145	1170	2480	O-10	0701282682*
Inert	Purging & pressurising leak detection	10	145	500	1060	N-10	0701300011
Single Stage Gaugeless Regulators, Indicator and Propane Versions							
Acetylene	Scrap cutting & heating, welding & cutting	1.3	18.75	313	650	A-1.5 Indicator	0701282686*
Oxygen	Scrap cutting & heating, welding & cutting	10	145	1170	2480	O-10 Indicator	0701282683*
Propane	Scrap cutting & heating, welding & cutting	4	60	267	560	P-4 Gaugeless	0701282687*