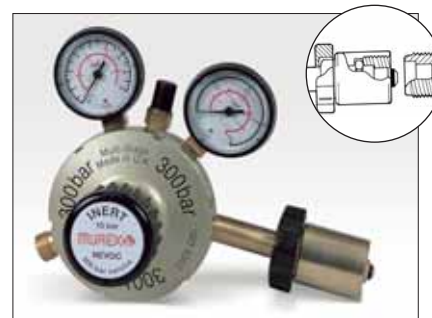


Saffire 300 Series 2+ Multi-Stage Regulators



The Multi-stage series employ the principles of 2-stage gas control to provide precise and accurate delivery pressures under all conditions. This ensures the regulators are able to cover a full range of service requirements from fusion welding through to high integrity laboratory applications.

The Saffire 300 Series 2+ regulators are the flagship models of the Saffire range. These multi-stage regulators are fully 300 bar capable whilst retaining the sensitivity and accuracy necessary for precise control.

The regulators are fully compliant and certified to BS EN ISO 2530.

As with all Saffire products these are manufactured under the quality management systems of BS EN ISO 9001.

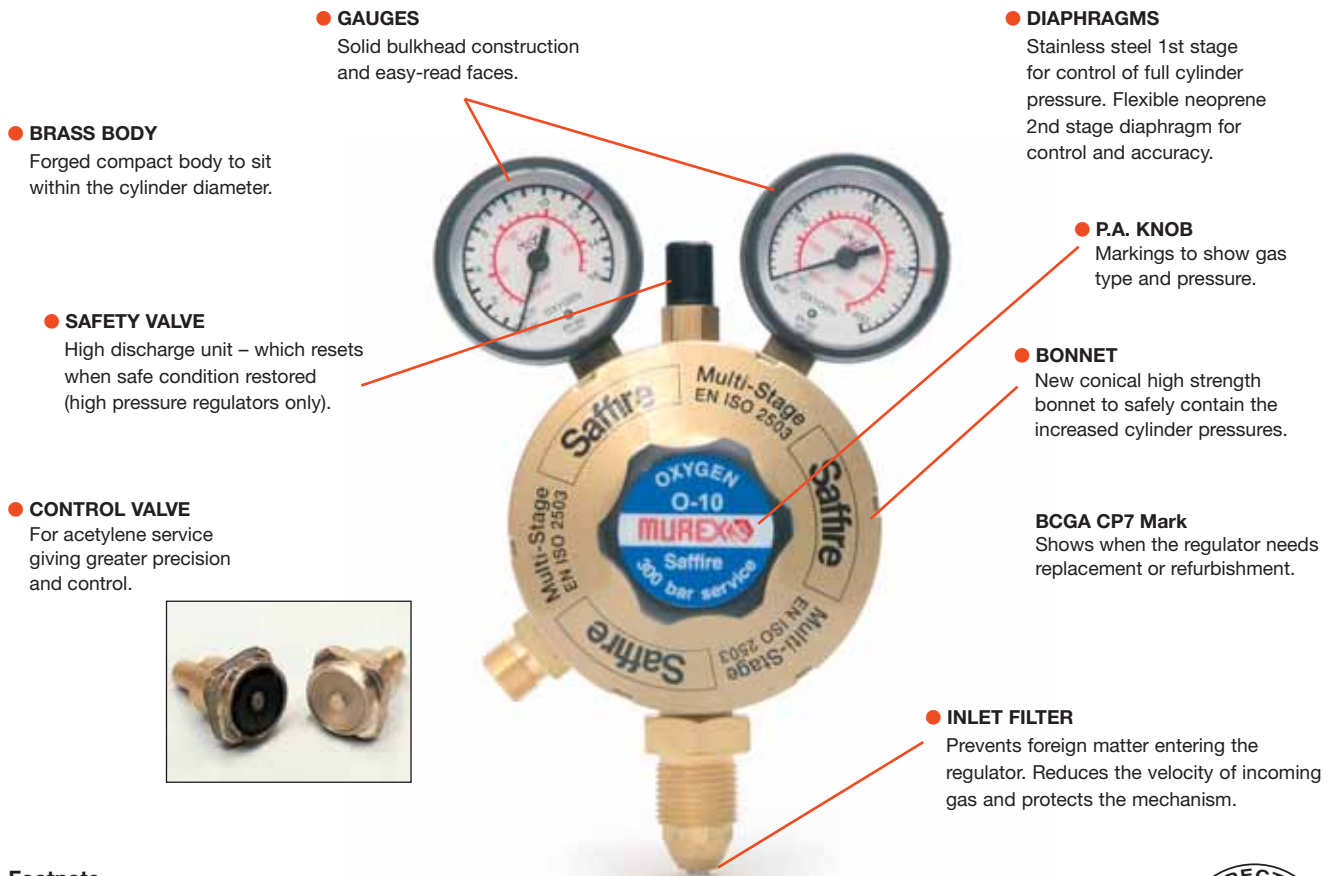
- 1st stage reduces the inlet pressure allowing very accurate adjustment through the 2nd stage
- Fully compliant and certified to BS EN ISO 2503 with quality management to ISO 9001
- High strength brass body with operational data permanently engraved
- High specification safety device to protect the user
- Full 300 bar inlet capability
- Solid bulkhead gauges
- Stainless and Neoprene diaphragms
- KelF micro valve in first stage
- Broad seat A92 valve in second stage

Laboratory Regulators

The Saffire Laboratory range provides both top and side entry connections to accommodate different cylinder valves. All components are purpose designed for non-corrosive high pressure gas service. 1st stage diaphragm is coated stainless steel for high integrity leak tightness needed for "light" gases.

NEVOC Regulator

The trend in Europe to increased cylinder filling pressures has led to the adoption of a separate cylinder valve connection for industrial applications above 250 bar. The connection is designated "NEVOC" – New European Valve Outlet Connection. In practice cylinders filled above 250 bar and up to and including 300 bar will be fitted with NEVOC valves. Cylinders filled up to and including 250 bar will continue to use the standard BS 341 connection. This change will have the added benefit of being adopted across Europe.



● **GAUGES**
Solid bulkhead construction and easy-read faces.

● **BRASS BODY**
Forged compact body to sit within the cylinder diameter.

● **SAFETY VALVE**
High discharge unit – which resets when safe condition restored (high pressure regulators only).

● **CONTROL VALVE**
For acetylene service giving greater precision and control.



● **DIAPHRAGMS**
Stainless steel 1st stage for control of full cylinder pressure. Flexible neoprene 2nd stage diaphragm for control and accuracy.

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

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

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.



Maximum pressures are those achievable with flowrates as defined in BS EN ISO 2503 Maximum flow is achievable at expense of pressure.		Max Outlet bar	Pressure lbf/in ²	Lit/Min	Max Flow Ft ³ /h	Model (Gas-Bar)	Part No
Acetylene	All welding, cutting & process applications	1.3	18.75	350	740	A-1.5	0701281211*
Oxygen	Precision welding & laboratory or process applications	4	60	880	1860	O-4	0701281209*
Oxygen	Heavy cutting & process applications	10	145	1093	2317	O-10	0701281210*
Inert	Purging & pressurising leak detection	4	60	895	1900	N-4	0701281217
Inert	Purging & pressurising leak detection	10	145	1108	2350	N-10	0701281218
Inert "NEVOC"	Inert gas applications	10	145	1108	2350	N-10 NEVOC	0701282018
Hydrogen	Laboratory & food processing applications	10	145	4133	8760	H-10	0701281212*
Helium	Laboratory & testing applications	10	145	2933	6220	He-10	0701281215
CO ₂	Laboratory, farming & foundry applications	10	145	-	-	CO ₂ -10	0701281216