

## SINGLE STAGE CYLINDER REGULATORS

# UNICONTROL



EDITION 1/2014

- UNICONTROLS are pressure regulators fully conforming to all paragraphs of International Standard ISO2503
- The main focus during product design and manufacture was on providing excellent performance, robustness and durability and guaranteeing its uncompromised safety.
- The UNICONTROL regulators use a filter protected fully encapsulated valve, well proven over several generations of GCE regulators.
- The body is made of solid forged, high quality brass, polished and chemically stabilized.
- The zinc die-cast bonnet is protected by a double layer powder painting to providing a guarantee corrosion resistance even in very aggressive environments.
- For operational safety the intergrated Pressure Relief Valve, located on the rear of the body is designed to prevent end users from changing the factory setting.
- These regulators are independently type-tested and certified by BAM Berlin (The German State Testing Institute).



## PRODUCT FEATURES

Colour Coded Control Elements

Non-detachable Ergonomic Plastic control knob

Max. Outlet pressure locked for operation safety

Inlet Connections exactly complying with BS-341 Standards

Corrosion resistant die-cast Bonnet



Clear & Precise 63 mm Gauges

Technical Data permanently marked on rear side of the body

Safety valve located on rear side of body – non adjustable for operational safety

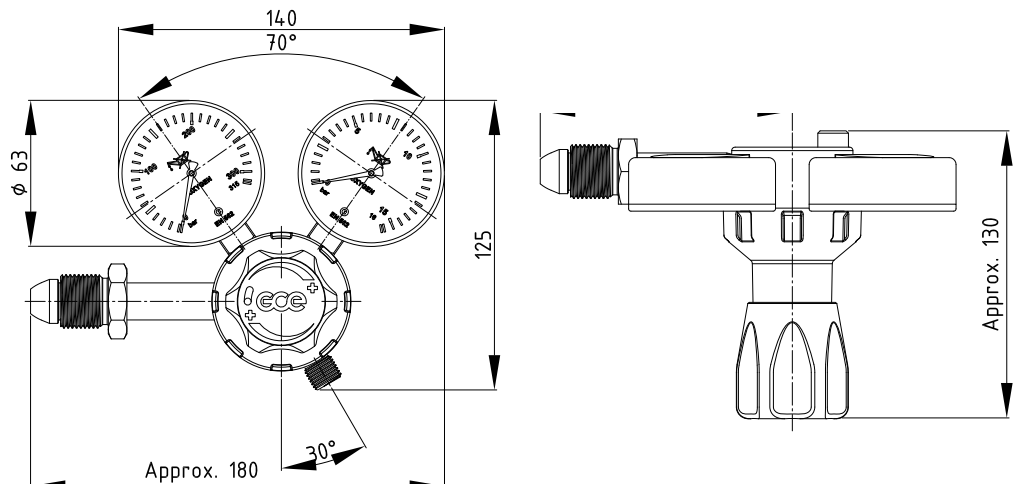
Bonnet powder-painted for corrosion resistance

Body forged from high-quality Brass

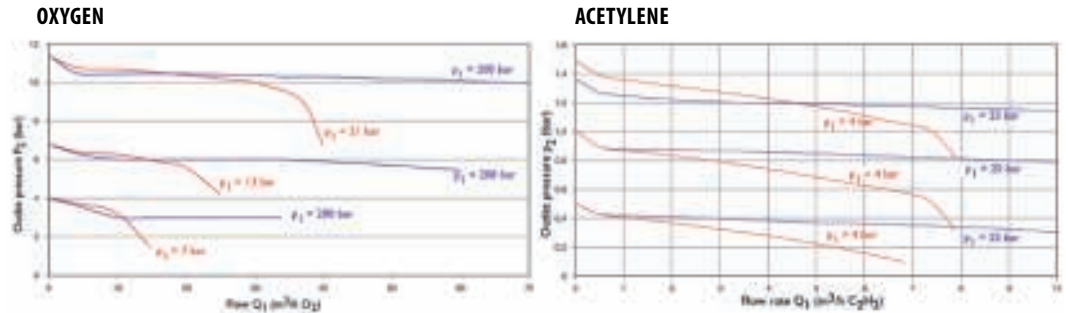
## TECHNICAL DATA

Body	Forged Brass, chemically stabilized (acid bright dipped)
Bonnet	Die-cast Zinc alloy, chemically stabilized and powder painted
Diaphragm	Diam. 55 mm fabric-reinforced EPDM rubber
Encapsulated Valve	Brass body sealed by PA or high-grade chloroprene rubber
Pressure Gauges	Non-bulkhead 63 mm gauges, class 2,5%, scale calibrated in Bar
Inlet Stem & Nut	Brass, geometry complying with BS-341 standard
Safety Valve	Non-adjustable, plastic housing
Control elements	Ergonomic PA control knob, captive pressure adjusting screw

## DIMENSIONS SCHEME



## REGULATOR PARAMETERS



The capacity graphs show the outlet pressure as a function of the flowrate at different inlet pressures.

## UNICONTROL RANGE

### REGULATORS - BOTTOM ENTRY

Art. Nr.	Gas	Gauges	Inlet (bar)	Outlet (bar)	Inlet (form)	Outlet (form)	Flow m <sup>3</sup> /h
0783651	Oxygen	0	300	10	G 5/8" (BS3)	G 3/8"	54
0783650	Oxygen	2	300	4	G 5/8" (BS3)	G 3/8"	21
0783652	Oxygen	2	300	10	G 5/8" (BS3)	G 3/8"	54
0783641	Acetylene	0	25	1,5	G 5/8 LH (BS4)	G 3/8 LH	14
0783640	Acetylene	2	25	1,5	G 5/8 LH (BS4)	G 3/8 LH	14
0783656	Propane	0	25	4	G 5/8 LH (BS4)	G 3/8 LH	15
0783644	Argon	2	300	4	G 5/8" (BS3)	G 3/8"	19
0783645	Argon	2	300	Flow 0-15 LPM	G 5/8" (BS3)	G 3/8"	15 LPM
0783647	Argon	2	300	Flow 0-50 LPM	G 5/8" (BS3)	G 3/8"	50 LPM
50530	Mapp	0	small cylinders	small cylinders	G 1/4 LH	G 1/4 LH	

### REGULATORS - SIDE ENTRY

Art. Nr.	Gas	Gauges	Inlet (bar)	Outlet (bar)	Inlet (form)	Outlet (form)	Flow m <sup>3</sup> /h
0783653	Oxygen	2	300	4	G 5/8" (BS3)	G 3/8"	54
0783655	Oxygen	2	300	10	G 5/8" (BS3)	G 3/8"	21
0783654	Oxygen	2	300	10	CGA 540	9/16"×18	54
0783643	Acetylene	2	25	1,5	G 5/8 LH (BS4)	G 3/8 LH	14
0783642	Acetylene	2	25	1,5	CGA 300	9/16"×18LH	14
0783648	Argon	1	300	4	G 5/8" (BS3)	G 3/8"	19
0783649	CO <sub>2</sub> *	2	200	4	0,860×14TPI (BS8)	G 3/8"	20

\* for CO<sub>2</sub> regulators use heaters above 30 l/m.



0783643



0783652



0783656



0783651



50530