Security in action



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).



UNICONTROL

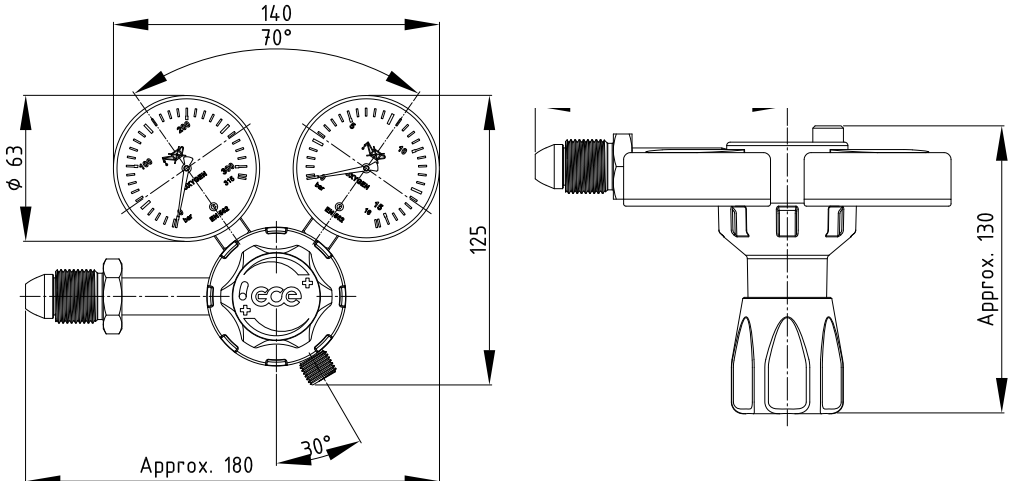
PRODUCT FEATURES



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

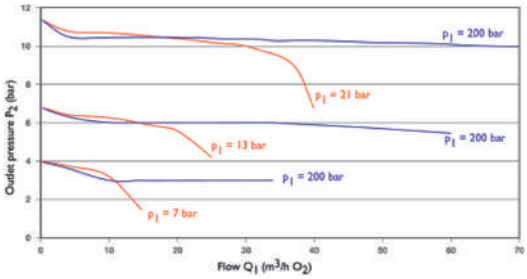
DIMENSIONS SCHEME



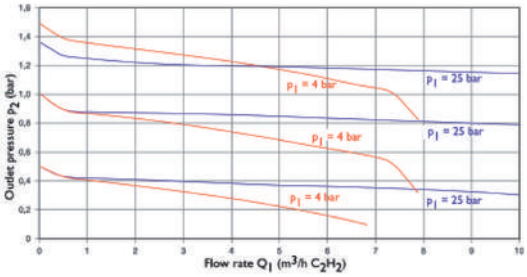
UNICONTROL

REGULATOR PARAMETERS

OXYGEN



ACETYLENE



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

UNICONTROL RANGE



0783643



0783652



0783656



0783651 50530

REGULATORS - BOTTOM ENTRY

Art. Nr.	Gas	Gauges	Inlet (bar)	Outlet (bar)	Inlet (form)	Outlet (form)	Flow m3/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^3/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_2*	2	200	4	0,860×14TPI (BS8)	G 3/8"	20

* for CO_2 regulators use heaters above 30 l/m.

GCE Group is one of the world's leading companies in the field of gas control equipment. The headquarters are in Malmö, Sweden, and the two major supply units are located in Europe and Asia.
The company operates 15 subsidiaries around the world and employs more than 850 people. GCE Group includes four business areas – Cutting & Welding, Process Applications, Medical and High Purity.
Today's product portfolio corresponds to a large variety of applications, from single pressure regulators and blowpipes for cutting and welding to sophisticated gas supply systems for medical and electronics industry applications.

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