

## CYLINDER REGULATOR **GCE BaseControl® FLOW**



EDITION 1/2016

- Cylinder regulator conforming to ISO 2503
- Safe operation with high compressed gases up to 230bar cylinder filling pressure
- Available in following variants:

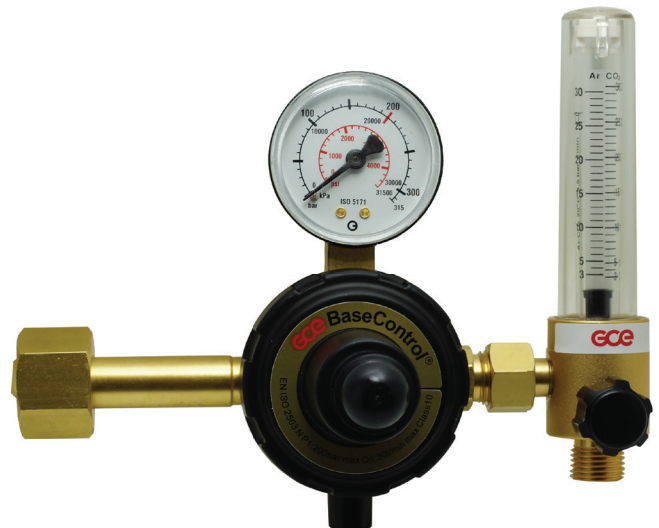
### NOW

- GCE Basecontrol® FLOW without preheater
- GCE Basecontrol® FLOW with preheater (36V, 120W)

### IN MIDDLE 2016

- CE marked power Power Transformer from 220V or 110V to 36V will also be launched in Middle 2016

- Regulating valve protected against mechanical particles of size 50µm by inlet filter
- Protection of the low pressure part with integrated pressure relief valve
- Pressure values are shown on the gauges in three major pressure units scales: bar, kPa, psi
- Flowmeter tube (class 10) showing the value in litres per minute (0-30 l/min)
- Long operational lifetime and Electrical safety



# GCE BaseControl® FLOW

## PRESSURE GAUGE

High pressure gauge show the value on three scales: bar, kPa (kilo pascal) and psi (pound per square inch). The connection to the regulator body is G1/4". Gauges 50mm diameter conform to ISO 5171.

## FLOWMETER

High class aluminium flowmeter body was accurately machined and anodized for nice corrosion proof. The ergonomic flow adjustment knob has been tested for life cycle without failure under real working condition.

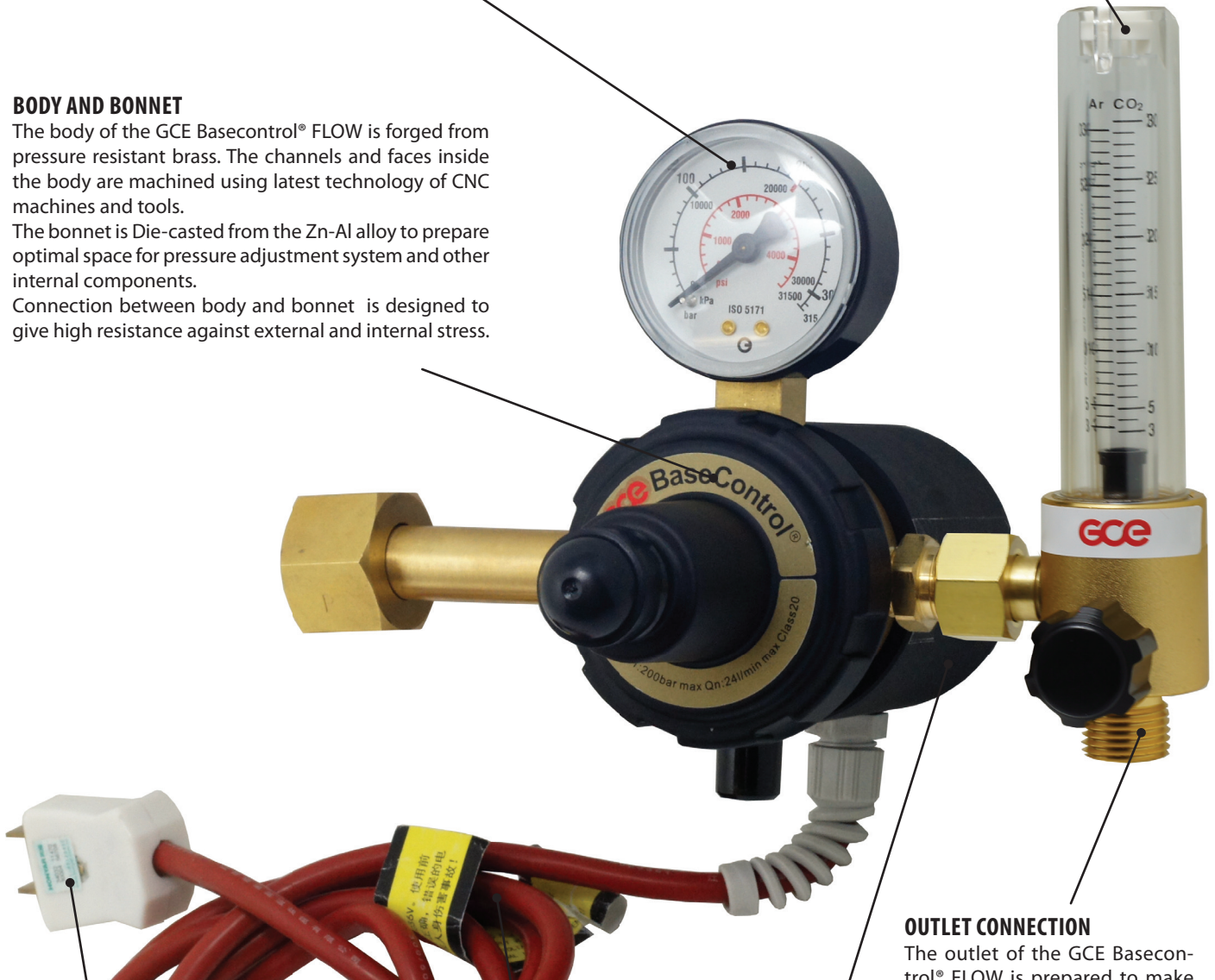
It is a magnificent match to the float-type PA tube calibrated for Ar/CO<sub>2</sub> for Class 10 flow accuracy.

## BODY AND BONNET

The body of the GCE Basecontrol® FLOW is forged from pressure resistant brass. The channels and faces inside the body are machined using latest technology of CNC machines and tools.

The bonnet is Die-casted from the Zn-Al alloy to prepare optimal space for pressure adjustment system and other internal components.

Connection between body and bonnet is designed to give high resistance against external and internal stress.



## OUTLET CONNECTION

The outlet of the GCE Basecontrol® FLOW is prepared to make gas-tight connection with outlet hose nipple.

We are ready to provide power plugs according to different market practices.

**Please inquire your GCE sales contacts for further steps.**

We are ready to provide power cables according to different market requirements with CE mark or without CE mark.

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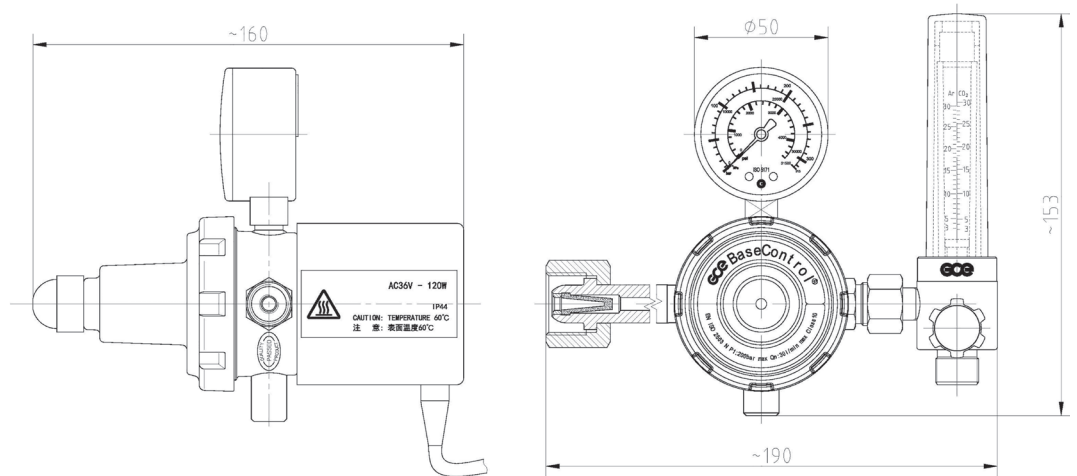
## 36V/120W PRE-HEATER

36V (120W) pre-heater incorporating CE-certified Thermostat and Heater unit, guaranteeing the continuous running of CO<sub>2</sub> gas without failure. All necessary electrical insulation resistance have been done to guarantee the highest safety for operators.

## TECHNICAL DATA

	Ar/CO <sub>2</sub>	CO <sub>2</sub>
Body:	Brass forged	Brass forged
Bonnet:	Zn/Al alloy Die-casted	Zn/Al alloy Die-casted
Stems, nuts and fittings:	Brass	Brass
Diaphragm:	EPDM	EPDM
Inlet/Outlet connection:	Gas specific connection	Gas specific connection
Maximal inlet pressure:	230bar	230bar
Outlet pressure / flow range:	0-30 l/min	0-30 l/min
Working Temperature Range:	from -20°C to 60°C	from -20°C to 60°C
Electrical Gas Preheater:	36V, 120W, IP44 (CE-marked Thermostat and Heating Unit)	
Weight:	Approx. 1,18 kg	Approx. 1,18 kg
ISO 2503 Class:	10	10

## DIMENSIONS



Art. Nr	Gas	Pin	Pout	Inlet Connection	Outlet Connection	Preheater	Inlet Length
0870315	CO <sub>2</sub> , Ar/CO <sub>2</sub>	200	30 l/min	G5/8F	M16x1,5	36V, 120W	80 mm
0870334	CO <sub>2</sub> , Ar/CO <sub>2</sub>	200	30 l/min	G5/8F	M16x1,5	NO	80 mm
0870353	Ar/CO <sub>2</sub>	200	30 l/min	CGA 580	9/16"UNF M	36V, 120W	80 mm
0870354	CO <sub>2</sub>	200	30 l/min	CGA 320	9/16"UNF M	36V, 120W	80 mm
0870355	Ar/CO <sub>2</sub>	200	30 l/min	CGA 580	9/16"UNF M	NO	80 mm
0870356	CO <sub>2</sub>	200	30 l/min	CGA 320	9/16"UNF M	NO	80 mm
0870357	CO <sub>2</sub>	200	30 l/min	W21.8x1/14" F	G 3/8"	36V, 120W	80 mm
0870358	Ar/CO <sub>2</sub>	200	30 l/min	G 5/8" M	G 3/8"	36V, 120W	80 mm
0870359	CO <sub>2</sub>	200	30 l/min	W21.8x1/14" F	G 3/8"	NO	80 mm
0870360	Ar/CO <sub>2</sub>	200	30 l/min	G 5/8" M	G 3/8"	NO	80 mm



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 900 people. GCE Group includes four business areas – Cutting&Welding technology, Valves, Healthcare and Druva. 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.