



Gas Control Equipment



## 5 FUNCTION FLASHBACK ARRESTORS

# SAFE-GUARD-5

The latest innovation from GCE the GCE SAFE-GUARD-5 offers the maximum level of protection required by ISO 5175-1 to prevent dangerous flashbacks from reaching the regulator and cylinder supply sources.

### FEATURES

There are many conditions that can cause a flashback, fitting a SG5 flashback arrestor is the highest level of safety;

- Maximum number of safety features defined by ISO 5175-1
- High visibility trip/reset lever coupled with quick acting reset even when pressurised
- Angled inlet to minimise hose damage
- 100% production flame tested for Flashback resistance
- Inspection dates can be marked on product for easy reference

### FUNCTIONS

- |   |    |
|---|----|
| • Flame arresting element                           | FA |
| • Non return valve                                  | NV |
| • Pressure sensitive cut off valve                  | PV |
| • Temperature sensitive cut off valve               | TV |
| • Reset mechanism to clearly advise unit activation | RM |



# GCE SAFE GUARD 5

Art. Nr.	Gas	Inlet connection	Outlet connection	Country
0764456	Fuel	G3/8" LH F	G3/8" LH M	Europe
0764457	Oxygen	G3/8" F	G3/8" M	Europe
0764458	Oxygen	G1/4" F	G1/4" M	Europe
0764461	Fuel	9/16" UNF LH F	9/16" UNF LH M	America
0764462	Oxygen	9/16" UNF F	9/16" UNF M	America
0764463	Oxygen	M16×1,5 F	M16×1,5 M	France, China
0764464	Fuel	M16×1,5 LH F	M16×1,5 LH M	France, China

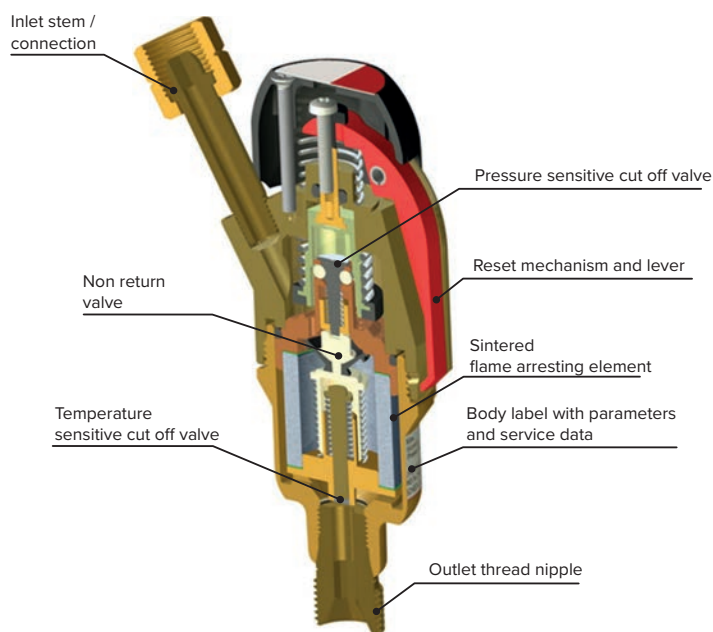
## CONVERSION COEFFICIENT

	OXYGEN	HYDROGEN	ACETYLENE
Gas	O <sub>2</sub>	H <sub>2</sub>	C <sub>2</sub> H <sub>2</sub>
Coefficient	x 0,95	x 3,75	x 1,04

	PROPANE	METHANE	ETHYLENE
Gas	C <sub>3</sub> H <sub>8</sub>	CH <sub>4</sub>	C <sub>2</sub> H <sub>4</sub>
Coefficient	x 0,8	x 1,33	x 1,02

## INTERNAL SAFETY DEVICES



## TECHNICAL DATA

### GAS OPTIONS AND SERVICE PRESSURE

RIGHT HAND	
Oxygen	10 bar

LEFT HAND	
Acetylene	1,5 bar
Hydrogen	5 bar
Propane	5 bar
Methane	5 bar
Natural Gas	5 bar
MPS	5 bar
MAPP	5 bar

# FLOW CHART

