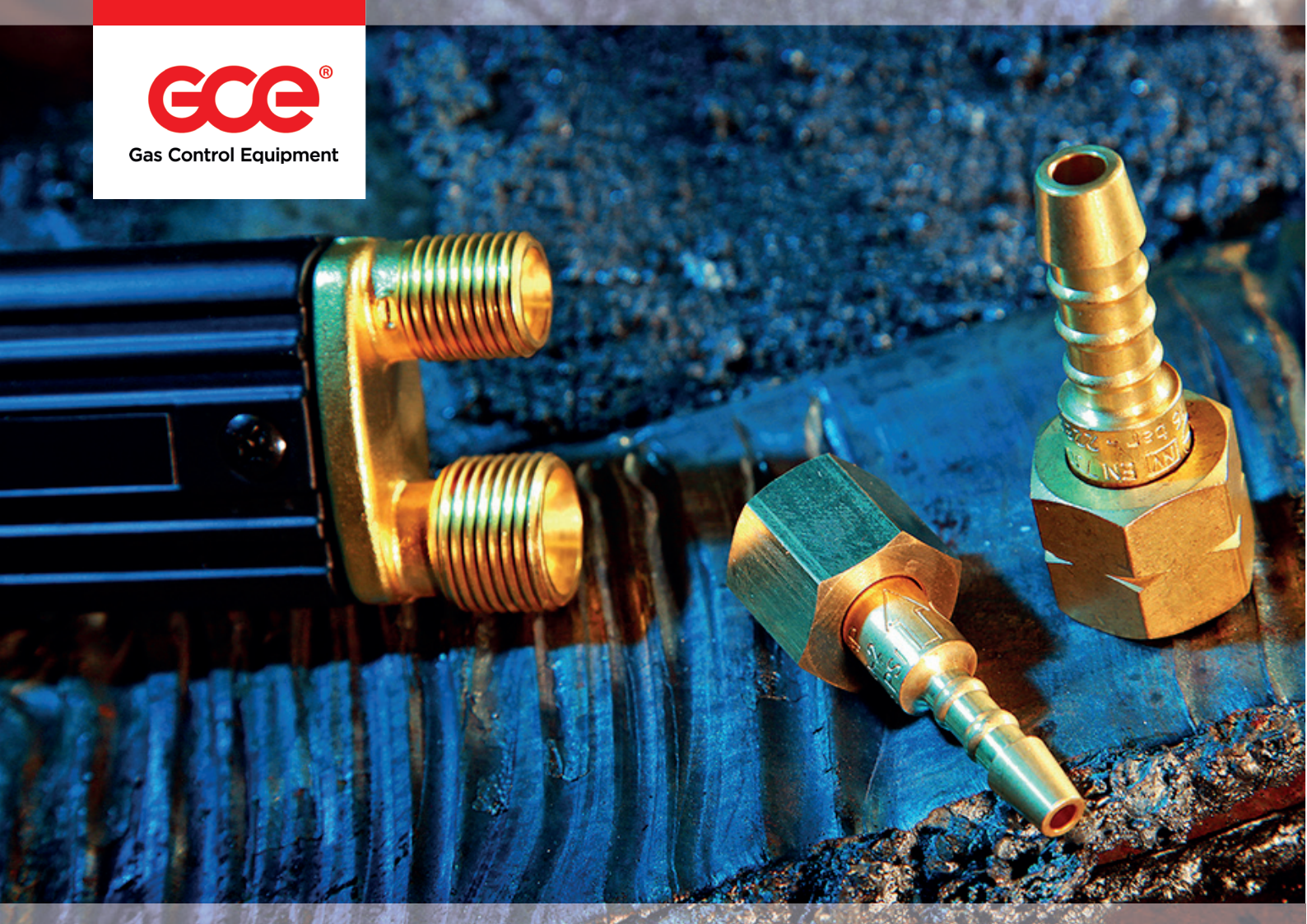




Gas Control Equipment



1 FUNCTION SAFETY DEVICE

SAFE-GUARD-1/BV 12

The GCE SAFEGUARD1 / BV 12 is a non-return valve that prevents reverse flow of gases back into a hose. They are manufactured to our own approved design and the unique method of assembly eliminates the use of soldered or bonded joints. They are suitable to be used with Oxygen, Acetylene, Propane or Natural Gas and operate effectively on either nozzle mix or injector type torches.

Max service pressure is 16 bar within a temperature range of -30°C to +50°C. The design is compact, not bigger than an ordinary hose nipple. Still the pressure losses involved are insignificant and the set working pressure therefore stay unchanged.

GCE SAFEGUARD1 / BV 12 is manufactured in accordance with European standard ISO 5175-2.

GCE recommends that the GCE SAFEGUARD 1/BV 12 always are mounted on the torch inlet for both oxygen and fuel gas. Furthermore GCE recommend to check the function of the nonreturn valve as a minimum every six month.



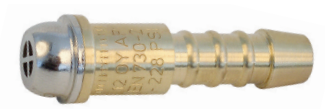
GCE SAFE GUARD 1/BV 12

GCE SAFE-GUARD-1/BV 12 RANGE (INCLUDING NUT)



Art. Nr.	Gas	Fitting	Hose (mm)	Quantity
9402370	Fuel	9/16" UNF LH	6,3	1
871132	Fuel	G1/4" LH	6,3	5
871122	Fuel	G3/8" LH	6,3	1
871112	Fuel	G3/8" LH	8	1
871102	Fuel	G3/8" LH	10	1
0764437	Fuel	M16x1,5 LH	6,3	1
0764439	Fuel	M16x1,5 LH	8	1
9402990	Oxygen	9/16" UNF	6,3	1
871131	Oxygen	G1/4"	6,3	5
871121	Oxygen	G3/8"	6,3	1
871111	Oxygen	G3/8"	8	1
871101	Oxygen	G3/8"	10	1
0764436	Oxygen	M16x1,5	6,3	1
0764438	Oxygen	M16x1,5	8	1

BV 12 - WITHOUT NUT



Art. Nr.	Fitting	Hose (mm)	Quantity
0863531	G1/4"; 9/16" UNF	6,3	1
0863532	G3/8"; M16x1,5	6,3	1
0863533	G3/8"; M16x1,5	8	1
0863534	G3/8"; M16x1,5	10	1
0763568	G1/4" and G3/8" set of two	6,3/8 twin	1 (2 pcs)

BV 12 - THREADED BOTH ENDS



Art. Nr.	Connections	Gas	Quantity
0863561	G1/4" M - G1/4" F	oxygen	1
0863562	G1/4" LH M - G1/4" LH F	fuel	1
0863563	G3/8" M - G3/8" F	oxygen	1
0863564	G3/8" LH M - G3/8" LH F	fuel	1
0863565	9/16" UNF M - 9/16" UNF F	oxygen	1
0863566	9/16" UNF LH M - 9/16" UNF LH F	fuel	1

* note BV 12 without nut 5 mm versions make obsolete (0863530 and 0863539)

CONVERSION COEFFICIENT

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

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

INTERNAL SAFETY DEVICES

FLOW CHART

