



Gas Control Equipment



5 FUNCTION FLASHBACK ARRESTORS ESAB SAFE-GUARD-5

The latest innovation ESAB 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.

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

Main functions include:

- Flame arresting element
- Non return valve
- Pressure sensitive cut off valve
- Temperature sensitive cut off valve
- Reset mechanism to clearly advise unit activation

FA
NV
PV
TV
RM



ESAB SAFE-GUARD 5

FEATURES

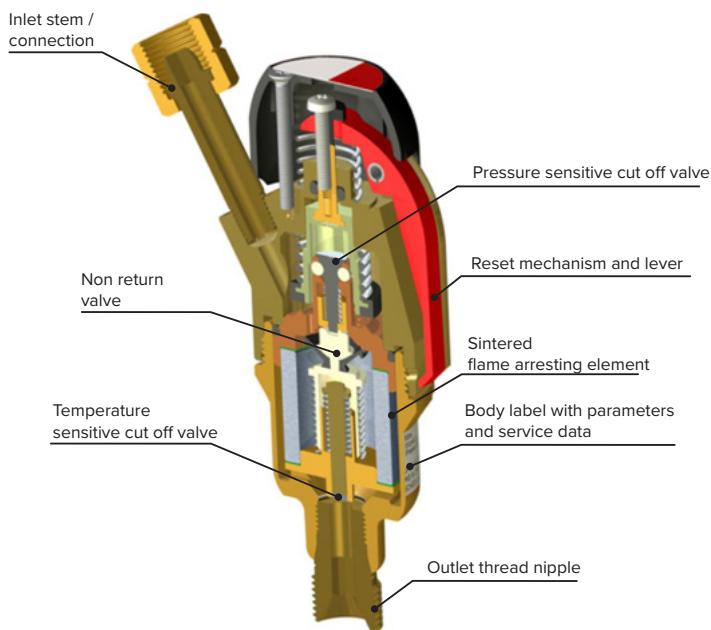
- Maximum number of safety features defined by ISO 5175-1
- High visibility trip/reset lever coupled with quick acting reset even when pressurised
- Angled inlet to minimise hose damage
- 100% production flame tested for Flashback resistance
- Inspection dates can be marked on product for easy reference

TECHNICAL DATA

GAS OPTIONS AND SERVICE PRESSURE

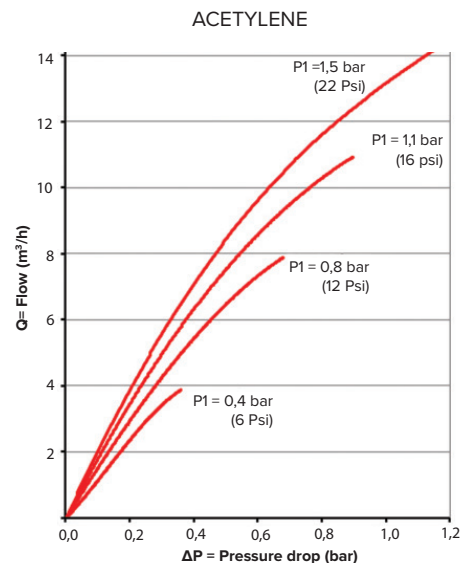
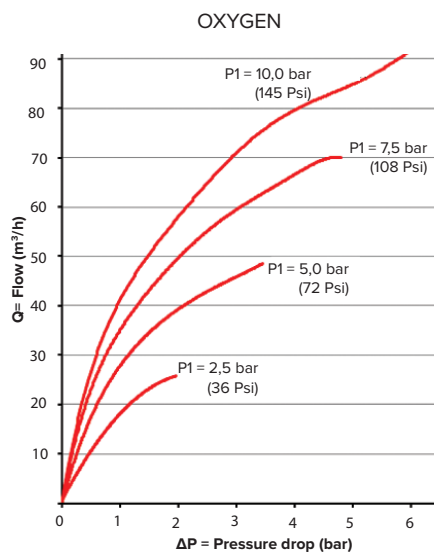
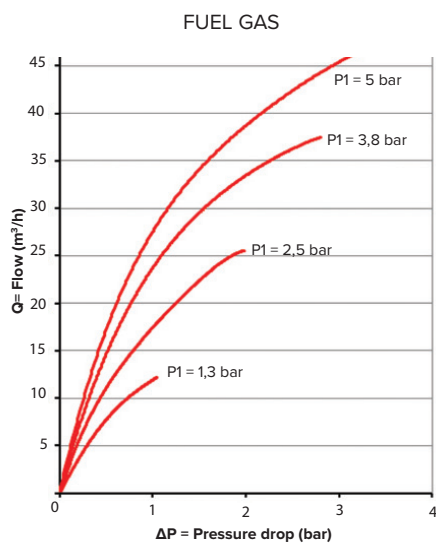
RIGHT HAND	
Oxygen	10 bar
LEFT HAND	
Acetylene	1,5 bar
Hydrogen	5 bar
Propane	5 bar
Methane	5 bar
Natural Gas	5 bar
MPS	5 bar
MAPP	5 bar

INTERNAL PARTS - SAFETY DEVICES



ESAB SAFE-GUARD 5

FLOW CHARTS



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

ORDERING INFORMATION

Art. Nr.	Gas	Inlet connection	Outlet connection
0764456E	Fuel	G3/8" LH F	G3/8" LH M
0764457E	Oxygen	G3/8" F	G3/8" M