

Safety Devices

ESAB flashback arrestors

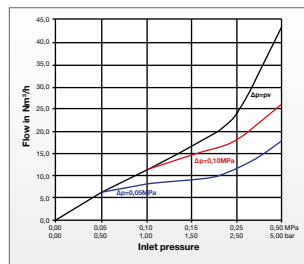
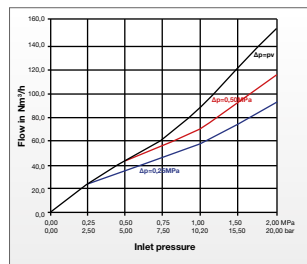
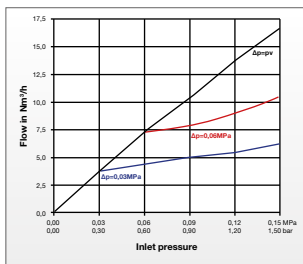
ESAB's range of flashback arrestors are all designed for optimum usage, giving high flow rates whilst still providing the highest levels of function and safety.

The range is extensive and offers users the option to have a safety device at the torch and regulator.

All ESAB flashback arrestors fully conform to the standard BS EN 730-1

Regulator mounted flashback arrestors

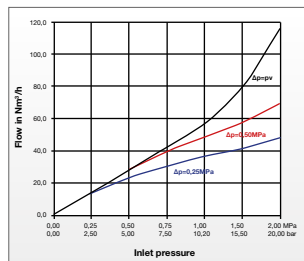
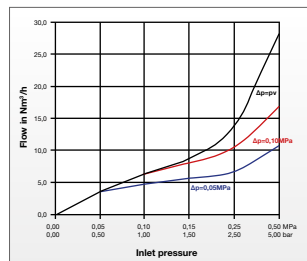
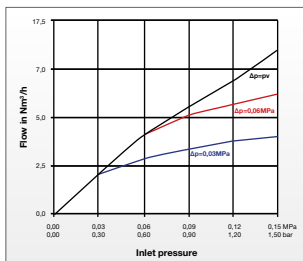
■ FR2000 – High flow resettable



EN07/11/00 (Subject to change without notice)



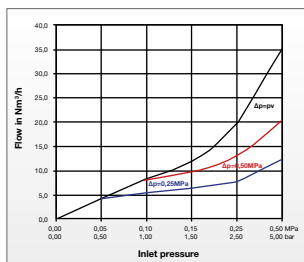
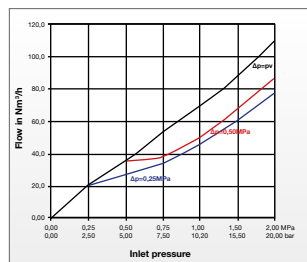
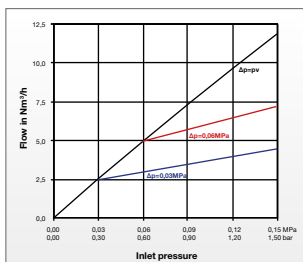
■ FR1000 – Resettable



EN07/11/00 (Subject to change without notice)



■ FRT Type – Non resettable



EN07/11/00 (Subject to change without notice)



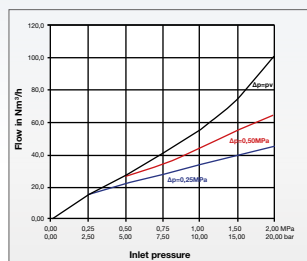
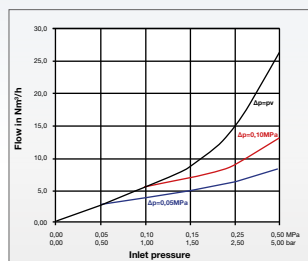
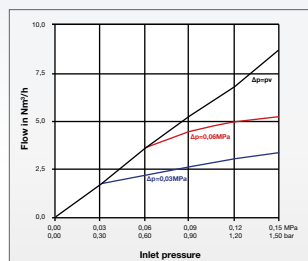
Safety Devices

ESAB flashback arrestors



Torch mounted flashback arrestors

■ FT Type and FTH Type – Non resettable



EN07/1100 (Subject to change without notice)



All fuel gas models are suitable for the following Gas service

Gas	Working Pressure (bar)	Working Pressure (Mpa)
Acetylene (A)	1.5	0.15
Propane (P)	5	0.5
Hydrogen (H)	3.5	0.35
Ethylene (E)	5	0.5
Methane (M)	5	0.5
Town Gas (C)	5	0.5

Safety elements by flashback arrestor type

Model	Non return valve (NA)	Flame arrestor (FA)	Thermal cut off valve (TV)	Pressure sensitive cut off valve (PV)	Dust filter
FR2000	X	X	X	X	X
FR1000	X	X	X	X	X
FRT	X	X	X		
FTH	X	X			
FT	X	X			

FBA's suitable for fuel gases are suitable for a range of fuel gases however it is industry best practice that once a gas be used with the equipment, it remains in use on that gas type only.

Flashback Arrestor Ordering Information

Model	Location type	Resettable	Gas Type	Connection Thread	Part Number
FR2000	Regulator Mounted	Yes	Oxygen	3/8" RH	0700016552
			Fuel Gas	3/8" LH	0700016553
FR1000	Regulator Mounted	Yes	Oxygen	3/8" RH	0700016550
			Fuel Gas	3/8" LH	0700016551
FRT	Regulator Mounted	No	Oxygen	3/8" RH	0700016554
			Fuel Gas	3/8" LH	0700016555
FTH	Torch Mounted to unfitted hose	No	Oxygen	8mm Nipple - 3/8" RH	0700016558
			Fuel Gas	8mm Nipple - 3/8" LH	0700016559
FT	Torch Mounted	No	Oxygen	3/8" RH	0700016556
			Fuel Gas	3/8" LH	0700016557
FT	Torch Mounted	No	Oxygen	1/4" RH	0700016740
			Fuel Gas	1/4" LH	0700016739