

# Flashback Arrestors

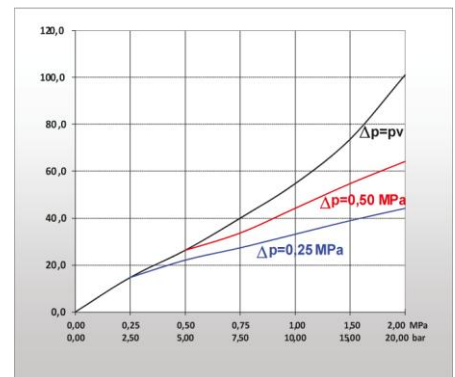
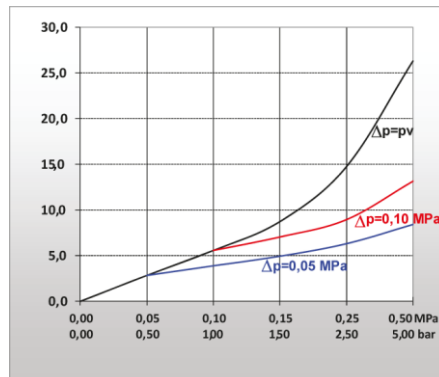
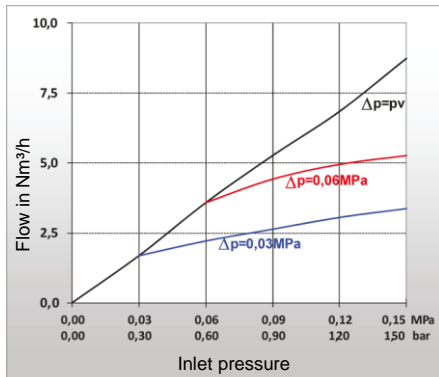
## Model FT

The ESAB cylindrical flashback arrestors, are of advanced design giving a higher flow rate. The FTH model is designed to be connected to the torch, this model is equipped with a large cylindrical flame arresting element, and an automatic reset non-return valve.

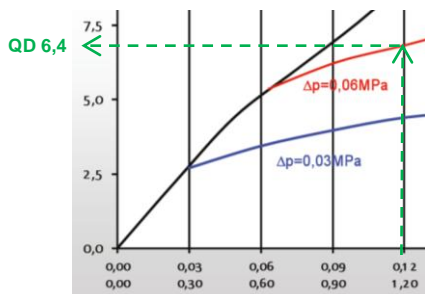
### Safety elements

- Gas non-return valve NV
- Flame arrestor FA

Certification:



Example:



$$QG = QD \times F$$

$$QG \blacktriangleright A = 6,4 \times 1,2 = 7,68 \text{ m}^3/\text{h C}_2\text{H}_2$$

### Flow rates:

pv = Primary pressure

ph = Secondary pressure

$\Delta p$  = Primary pressure minus Secondary pressure

### Conversion Factors:

0.1 MPa = 1 bar = 100 kpa = 14,504 psi 1 m<sup>3</sup>/h = 35.31 cu ft

QG = flow/gas type, F = conversion factor, QD = flow/air

	A	H	P	M	M	O
QG	C <sub>2</sub> H <sub>2</sub>	H <sub>2</sub>	C <sub>3</sub> H <sub>8</sub>	CH <sub>4</sub> +C	CH <sub>4</sub>	O <sub>2</sub>
F	1,2	2,5	0,90	1,25	1,4	0,95

## Technical data

Gas types	Acetylene (A)	Hydrogen (H)	Industrial Gas (C) Ethylene (E) Natural Gas (M) Compressed Air (D) (Methane) Propane (P)	Compressed Air (D) Oxygen (O)
<b>Working Pressure</b>	0.15 MPa 1.5 bar	0.35 MPa 3.5 bar	0.50 MPa 5.0 bar	2.0 MPa 15 bar
<b>Threads</b> EN 560 ISO 3253	G 1/4 LH G 3/8 LH	G 1/4 LH G 3/8 LH	G 1/4 LH G 3/8 LH	G 1/4 LH G 3/8 LH
<b>Measure and weight</b>		Diameter: 19.50mm	Length: 55.00mm	Weight: 70.00g

## All fuel gas models are suitable for the following gas service

Acetylene	(A)
Propane	(P)
Ethylene	(E)
Hydrogen	(H)
Methane	(M)
Town Gas	(C)

## Applications

Welding up to 30mm	Cutting up to 200mm	Heating up to 30mm
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## Ordering information

Thread	Gas Type	Part No
G 3/8 RH	Oxygen	0700016556
G 3/8 LH	Fuel	0700016557
G 1/4 LH	Fuel	0700016739
G 1/4 RH	Oxygen	0700016740

## Maintenance

In accordance with the requirements of the British Compressed Gases Association Code of Practice 7 – *Flashback* arrestors should have all threads examined for damage or contaminants as well as the joints being tested at working pressure for leak tightness. They should also be tested annually to ensure they are still operating as designed by checking for leak tightness, non return and flow cut off function. Code of Practice 7 “Guidance on Maintenance” recommends that Flashback Arrestors are replaced after 5 years in service.

## Maintenance

The safety devices have to be tested by a qualified and authorized person at regular intervals according to country specific regulations. They are required to be tested for leak tightness, non-return and flow cut-off valve function.

## Quality accessories for the quality welder

ESAB offers a wide range of accessories. The complete range, along with product information, is available at our local web-sites, look at [www.esab.com](http://www.esab.com) or contact your local ESAB dealer.

## Unrivalled service and support

Our commitment and ability to deliver the expected service and support starts immediately after the order is confirmed. We endeavour to offer our customers an After Sales service, which is second to none. A strong and skilful service organisation is prepared to offer service and maintenance, calibration, validation and upgrading of equipment and software.

The service organisation will offer standardised solutions for the reconditioning or modification of existing products.

Spare and wear parts are manufactured according to ESAB's quality plan. Exchange Printed Circuit Board (PCB), exchange modules and components are available for all our products in order to reduce downtime to an absolute minimum. ESAB is continuously upgrading authorised service partners for local service support. Customers who have their own service and maintenance personnel will always be offered a service-training package as part of a total ESAB offering. However, product and process training for end-users will form an additional part of the ESAB offering. Always ask your ESAB sales representative or distributor for a complete ESAB solution.

## ESAB

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