

Last updated: 21/10/2025 02:16:22

Flashback Arrestors

Protects regulators and gas cylinders against flashback and burnback from the welding / cutting flame.

Product information

Maritime authorities, such as the Norwegian Maritime Directorate, require the installation of flashback arrestors for acetylene and oxygen, as incorrect maintenance or use of gas welding equipment may cause flashbacks of various types.



Normally these will stop in a well designed torch, and are only noticed as a popping sound in the torch. However, faulty handling, maintenance or gas pressure setting may lead to a penetrating flashback. This means that the gas flame passes back through the hose(s). In some cases it may also pass the regulator and ultimately reach the cylinder.

The flashback arrestors supplied by Unitor are designed for use both with gas cylinders and gas outlet stations and incorporate the safety functions in the 'Features' list above.

Features

Primarily, the flashback arrestors having flame filter (FA) to quench the flame front of a flashback or a burnback. Secondly, the in-built non-return valve (NV) prevents reverse flow of gases, thereby preventing a gas mixture from reaching pipelines or cylinders.

Further features for model W-66S and S55:

- Temperature activated cut-off (TV) to prevent further gas supply in case of fire (activated if the temperature rises to approx. 100° C)
- Pressure activated cut-off (PV) to prevent further gas supply after a flashback (activated by the pressure shock in front of the flashback)
- Indicator lever showing that the pressure activated cut-off has been activated; the lever is also used for resetting the flashback arrestor (W-66S only)
- Indicator ring showing that the pressure activated cut-off has been activated; the ring is also used for resetting the flashback arrestor (S55 only)

Further features for model 85-10:

- For Gas Distribution System (GDS) high pressure side arrestor
- Temperature activated cut-off (TV) to prevent further gas supply in case of fire (activated if the temperature rises to approx. 100° C)
- Single use non-resettable for safety

Further features for model E460-3 torch shank FBA:

- Shank mounted arrestor set (AC-OX)
- Single use non-resettable for safety

Benefits

- Safety protection when performing gas welding and cutting activities onboard
- The flashback arrestors model (85-10, W-66S and S55) are build conforming to: EN 730/ISO 5175 and with IBEXU Certification no.: 2412-01
- Compliance with OCIMF SIRE for Tankers and RIGHTSHIP RISQ for Bulkers

Specification

Documents

[IBEXU CERT_2027](#)

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