

Product group: 171      Product number: 708550

No. 1 Choice for Flame Arrestors (Flashback Arrestors) certified and under surveillance by The Federal Institute for Materials Research and Testing (German: Bundesanstalt für Materialforschung und -prüfung, or BAM) and OCIMF/RIGHTSHIP compliant.



Protect regulators and gas cylinder against flashback and detonation.

## 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 W-66S model flashback arrestors are designed for use on high flow rate, heavy duty applications especially on portable AC-OX gas cylinders. The flashback arrestors are built, conforming to: EN 730/ISO 5175 and with BAM Certification no.: ZBF/009/12.

### \*\*Safety\*\*

For safety reasons in line with COSWP UK (BCGA CP7), OCIMF SIRE and RIGHTSHIP RISQ requirements, we strongly recommend annual testing of the flashback arrestors, and to replace flashback arrestors every 5 years.

### Features

- Pressure sensitive cut-off valve to prevent further gas supply after a flashback (activated by the pressure shock in front of the flashback).
- Temperature activated cut-off valve to prevent further gas supply in case of fire (activated if the temperature rises to approximately 100° C).
- Flame filter/arrestor to quench the flame front of a flashback or a burn back.
- Non-return valve for preventing reverse flow of gases, thereby preventing a gas mixture from reaching pipelines or cylinders.
- Resettable.
- Marking of manufacturing date and serial number for traceability.

### Benefits

- Stops the pressure front and flame front.
- Stops gas from back feeding into the system.
- Prevents fire from being supported by gas.
- Signal lever will show if the pressure sensitive cut-off has been activated; the lever is also used for resetting the flashback arrestor.

## Specification

### General

Invent Hazard Material (IMO/IU) classification	NA
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### Technical data

Operating pressure [bar]	
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### Performance data

Capacity	105 m³/h
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## Documents

[FBA\\_W66S\\_Manual2024](#)

[SDoC and MD for IHM](#)

[DoC FBA July 2023](#)

[BAMCert\\_May 2024](#)

## Related products

### Is frequently bought together with

**510001**  
REGULATOR 510 AC PRESSURE 0-1.5 BAR

**510000**  
REGULATOR 510 OX PRESSURE 0-10 BAR

**708545**  
FLASHBACK ARRESTOR S55 OX

**708537**  
FLASHBACK ARRESTOR S55 AC

**183970**  
FLASHBACK ARRESTOR W-66S ACETYLENE

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