

# FLASHBACK ARRESTOR W-66S ACETYLENE

Product group: **171**      Product number: **183970**

No. 1 Choice for Flame Arrestors (Flashback Arrestors) and OCIMF Compliance 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 flashback arrestors supplied by Unitor are designed for use both with gas cylinders and gas outlet stations and incorporate several safety functions:

- Non-return valve preventing reverse flow of gases, thereby preventing a gas mixture from reaching pipelines or cylinders
  - Flame filter to quench the flame front of a flashback or a burnback
  - Temperature activated cut-off to prevent further gas supply in case of fire (activated if the temperature rises to approximately 100 °C)
  - Pressure activated cut-off to prevent further gas supply after a flashback (activated by the pressure shock in front of the flashback)
  - Pressure relief valve to vent off excessive pressure in case of flashback or wrongly set working pressure
  - Indicator lever showing that the pressure activated cut-off has been activated; the lever is also used for resetting the flashback arrestor
- The flashback arrestors are build Conform to: EN 730/ISO 5175 and with BAM Certification no.: ZBF/009/12

## Safety

For safety reasons we strongly recommend annual testing of the Flash back arrestors, and to change flashback arrestors every 5 years, calculated from the date you start using the equipment.

## Features

- Pressure activated cut-off valve
- Temperature activated cut-off valve
- Flame arrestor
- Non-return valve

## Benefits

- Stops the pressure front
- Prevents fire from being supported by gas
- Stops the flame front
- Stops gas from back feeding into the system

## Specification

### General

<b>Invent Hazard Material (IMO/EU) classification</b>	NA
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### Technical data

<b>Operating pressure [bar]</b>	1.5 maximum
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### Performance data

<b>Capacity</b>	19 m <sup>3</sup> /h
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## Variants

Product name	Product number	Capacity	Operating pressure [bar]
<a href="#">FLASHBACK ARRESTOR S55 AC</a>	708537 (supersedes 619254)	8,5 m3/h	1.5
<a href="#">FLASHBACK ARRESTOR S55 OX</a>	708545 (supersedes 619262)	50 m3/h	10
<a href="#">FLASHBACK ARRESTOR W-66S ACETYLENE</a>	183970	19 m3/h	1.5
<a href="#">FLASHBACK ARRESTOR W-66S OXYGEN</a>	302976	105 m3/h	10
<a href="#">FLASHBACK ARRESTOR W-66S OXYGEN</a>	302976	105 m3/h	10

## Documents

[802111800-121011](#)

[BAM Cert\\_May 2024](#)

[SDoC and MD for IHM](#)

[DoC\\_FBA 2021](#)

## Related products

### Is accessory to

<b>734013</b>	QUICK COUPL. AC HOSE TO HOSE 3/8INCH	<b>526478</b>	2X9MM 3/8 INCH AC/OX TWINHOSE W/FITTING 10MTR
<b>734025</b>	QUICK COUPLING AC MALE G3/8LH		
<b>526482</b>	2X9MM 3/8 INCH AC/OX TWINHOSE W/FITTING 25MTR		
<b>526472</b>	2X6.3MM ¼ INCH AC/OX TWINHOSE W/FITTING 10MTR		
<b>734016</b>	QUICK COUPL. AC REGULATOR TO HOSE 3/8INCH		

### Is frequently bought together with

<b>302976</b>	FLASHBACK ARRESTOR W-66S OXYGEN	<b>510001</b>	REGULATOR 510 AC PRESSURE 0-1.5 BAR
<b>510000</b>	REGULATOR 510 OX PRESSURE 0-10 BAR		
<b>708537</b>	FLASHBACK ARRESTOR S55 AC		
<b>708545</b>	FLASHBACK ARRESTOR S55 OX		

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