

# FLASHBACK ARRESTOR S55 OX

Product group: **171**      Product number: **708545**

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.



## Product information

This product supersedes product no: **619262**

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 S-55 model flashback arrestors are designed for use both with gas cylinders and gas outlet stations. 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.
- Each flashback arrestor 100% tested.
- 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.
- Indicator ring will show if the pressure sensitive cut-off has been activated; the ring is also used for resetting the flashback arrestor.

## Specification

### General

Invent Hazard Material (IMO/EU) classification	NA
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### Dimensions/Weight

Diameter [mm]	27.5
Length [mm]	119

### Technical data

Operating pressure [bar]	10 maximum
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### Performance data

Capacity	50 m <sup>3</sup> /h
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## Variants

Product name	Product number	Diameter [mm]	Length [mm]	Capacity	Operating pressure [bar]
<a href="#">FLASHBACK ARRESTOR FR-20 FOR AC+OX</a>	619270				
<a href="#">FLASHBACK ARRESTOR S55 AC</a>	708537 (supersedes 619254)	27.5	119	8,5 m <sup>3</sup> /h	1.5
<a href="#">FLASHBACK ARRESTOR S55 OX</a>	708545 (supersedes 619262)	27.5	119	50 m <sup>3</sup> /h	10
<a href="#">FLASHBACK ARRESTOR W-66S ACETYLENE</a>	183970			19 m <sup>3</sup> /h	1.5
<a href="#">FLASHBACK ARRESTOR W-66S OXYGEN</a>	302976			105 m <sup>3</sup> /h	10

## Documents

[BAM Cert\\_May 2024](#)

[DoC\\_FBA 2021](#)

[SDoC and MD for IHM](#)

[S55 New Manual](#)

## Related products

### Is accessory to

**526472** 2X6.3MM ¼ INCH AC/OX TWINHOSE W/FITTING 10MTR

**526478** 2X9MM 3/8 INCH AC/OX TWINHOSE W/FITTING 10MTR

**734022** QUICK COUPL. OX HOSE TO HOSE 3/8INCH

**734019** QUICK COUPL. OX REGULATOR TO HOSE 3/8INCH

**526482** 2X9MM 3/8 INCH AC/OX TWINHOSE W/FITTING 25MTR

**734028** QUICK COUPLING OX MALE G3/8RH

**320209** QUICK COUPLING OX HOSE TO HOSE 9MM

**320203** QUICK COUPLING OX HOSE TO HOSE 6MM

### Is spare to

**5502771** OUTLET STATION-700 COMPL. W/SG-5 AND CABINET

### Is part of bundle

**526509** STANDARD GAS ACCESSORIES

### Is frequently bought together with

**905026** ACETYLENE A-40 FILLING

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

**905034** OXYGEN O-40 FILLING

**708537** FLASHBACK ARRESTOR S55 AC

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

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