Wilhelmsen

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

Dimensions/Weight

Diameter [mm]	27.5
Length [mm]	119

Technical data

Operating pressure [bar]	

Performance data

Capacity	50 m³/h

Documents

BAM Cert_May 2024

DoC_FBA 2021

SDoC and MD for IHM

S55 New Manual

Related products

Is accessory to

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

734028
QUICK COUPLING OX MALE G3/8 RH

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

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

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

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

Is spare to

778199
OUTLET STATION 700 COMPL. R530 S55 AND CABINET
5502771
OUTLET STATION-700 COMPL. W/SG-5 AND CABINET

Is part of bundle

526509
STANDARD GAS ACCESSORIES

Is frequently bought together with

510001
REGULATOR 510 AC PRESSURE 0-1.5 BAR

510000
REGULATOR 510 OX PRESSURE 0-10 BAR

708537
FLASHBACK ARRESTOR S55 AC

905034
OXYGEN O-40 FILLING

905026
ACETYLENE A-40 FILLING