

FLASHBACK ARRESTOR S55 AC

Product group: **171** Product number: **708537**

No. 1 Choice for Flame Arrestors (Flashback Arrestors) and OCIMF Compliance Protect regulators and gas cylinder against flashback.

Product information

This product supersedes product no: **619254**

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).

Indicator ring showing that the pressure activated cut-off has been activated; the ring 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

Invent Hazard Material (IMO/EU) classification	NA
--	----

Dimensions/Weight

Diameter [mm]	27.5
Length [mm]	119

Technical data

Operating pressure [bar]	1.5 maximum
--------------------------	-------------

Performance data

Capacity	8,5 m ³ /h
----------	-----------------------

Variants

Product name	Product number	Diameter [mm]	Length [mm]	Capacity	Operating pressure [bar]
FLASHBACK ARRESTOR S55 AC	708537 (supersedes 619254)	27.5	119	8,5 m ³ /h	1.5
FLASHBACK ARRESTOR S55 OX	708545 (supersedes 619262)	27.5	119	50 m ³ /h	10
FLASHBACK ARRESTOR W-66S ACETYLENE	183970			19 m ³ /h	1.5
FLASHBACK ARRESTOR W-66S OXYGEN	302976			105 m ³ /h	10

Documents

[S55 user manual](#)

[BAM Cert_May 2024](#)

[DoC_FBA 2021](#)

[SDoC and MD for IHM](#)

Related products

Is accessory to

526472	2X6.3MM ¼ INCH AC/OX TWINHOSE W/FITTING 10MTR	320205	QUICK COUPLING AC HOSE TO HOSE 6MM
734016	QUICK COUPL. AC REGULATOR TO HOSE 3/8INCH	734013	QUICK COUPL. AC HOSE TO HOSE 3/8INCH
526478	2X9MM 3/8 INCH AC/OX TWINHOSE W/FITTING 10MTR	734025	QUICK COUPLING AC MALE G3/8LH
526482	2X9MM 3/8 INCH AC/OX TWINHOSE W/FITTING 25MTR	526509	STANDARD GAS ACCESSORIES

Is spare to

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

Is frequently bought together with

510001	REGULATOR 510 AC PRESSURE 0-1.5 BAR	510000	REGULATOR 510 OX PRESSURE 0-10 BAR
905026	ACETYLENE A-40 FILLING		
708545	FLASHBACK ARRESTOR S55 OX		

This page is printed from:

<https://www.wilhelmsen.com/product-catalogue/products/gases-refrigerants-and-cylinders/gas-distribution-system/outlet-station/flashback-arrestor-s55-ac/>