



ANDERSON GREENWOOD AMAL LSFE SERIES LIQUID SEAL FLAME ARRESTERS

An in-line detonation flame arrester designed to prevent the propagation of supersonic flames.



FEATURES

- Fabricated design.
- Lightweight construction.
- Unidirectional.
- No special tools required for installation.
- Fully welded construction contains no maintainable or moving parts.
- Independently tested and certified.
- Manufactured to ISO 9001:2015.

GENERAL APPLICATION

The LSFE Series is designed to protect tank systems and equipment from detonations that can occur on tank filling lines. They are fitted external to the tank for use under atmospheric pressure conditions only.

TECHNICAL DATA

Materials:	Carbon steel, stainless steel
Sizes:	DN 25, 50, 80 (1", 2", 3")
Connections:	Flanged
Temperature range:	-20 to 60°C (-4 to 140°F)
Gas groups:	IIA, IIB1, IIB3
Certification:	ATEX Directive 2014/34/EU; PED 2014/68/EU

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LIQUID PRODUCT DETONATION FLAME ARRESTER

In the LSFE Series, the liquid product is used to form a liquid seal as a flame arrester and prevent the flame transmission of a detonation.

MATERIALS AND CONNECTION OPTIONS

Materials

Carbon steel and stainless steel.

Connection pipe size

Flanged DN 25 to 80 (1 to 3")

Maximum flange pressure limit 25 bar (362.5 psi).

Gas groups

- IIA
- IIB1
- IIB3

Note: accessories, special materials and connections are available on request.

SELECTION GUIDE

Example	LSFE	50	IIA	C
Model				
LFSE				
Connection diameter (flanged)				
DN 25 to 80 (1 to 3")				
Gas group				
IIA				
IIB1				
IIB3				
Body material				
C Carbon steel				
S Stainless steel				

NOTE

All sizing and selection must be conducted by the factory.