Warranty for the industry

ERRE.DI. provides internationally recognized certifications (ISO 9001, ATEX, PED,) for the Flame Arrester.

Registered in the vendor list of the major companies in the Oil&Gas, chemical, and steel industries, ERRE.DI. has taken part in different projects and has references all around the world.

www.erredi.it

ERRE DI

ERRE.DI. srl
Via dei Lavoratori, 15-17 - 20092 Cinisello Balsamo (Milano)
Uffici: Tel. +39 02.660 40 229/660 47 168
Fax: +39 02.612 80 41- E-mail: erredi@erredisrl.it

NEW PRODUCT

FLAME ARRESTER

To prevent transmission of flame

ERRE DI

Solutions for your needs **flow through ERRE.DI.**

FLAME ARRESTER

To prevent transmission of flame

The ERRE.DI. flame arrester (or Arrestor) is a safety device fitted on the opening of an enclosure or to the connecting pipe work in a system of enclosure and which allow only gases and liquid to pass through it but prevent the transmission of a flame in order to prevent a larger fire or explosion.

Flame arresters elements are used wherever explosive gas/air mixtures needs to be prevented from flame transmission (fuel storage tank, oil and gas recovery system, internal combustion engine exhaust system, in marine petrol engines and others).

The Deflagration flame arrester (DEF)

Is used to stop the the flame propagation of confined low pressure.

Production range deflagration type

Sizes:
DN50 - DN500 / DN2" - DN20"

Pressure Rating:
PN2,5 - PN50 / ANSI150 - ANSI300

Material body:
Carbon steel, Stainless steel and other on demand.

Material internal parts:
Stainless steel

The Detonation flame arrester (DET)

Is used to stop the flame and reduce the pressure and the speed associated with a detonation.

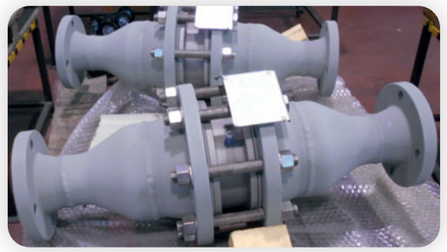
Production range detonation type

Sizes:
DN50 - DN150 / DN2" - DN6"

Pressure Rating:
PN2,5 - PN50 / ANSI150 - ANSI300

Material body:
Carbon steel, Stainless steel and other on demand.

Material internal parts:
Stainless steel



Easy Maintenance

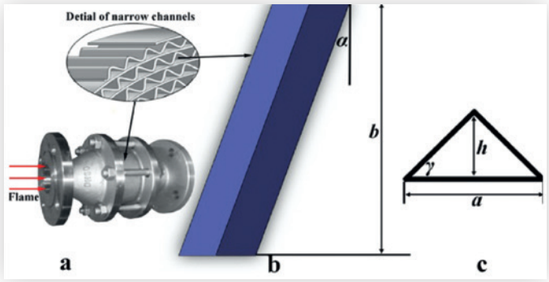
The flame cell element can be easily removed for inspection and cleaning in appropriate solvent solution.

- The flanges are usually designed and drilled conforming to the main international standards ISO/ASTM/DIN.
- The ERRE.DI. Flame arresters are designed, manufactured and tested according to Directive ATEX 2014/34/EU and ISO 16852 and Cert. PED 2014/68/EU.

  Quality System: ISO 9001 Certified.

Flame arrester element

The Erre.Di flame arrester element is made of wound corrugated and flat metal strips as the main part of it preventing the spread of fire by the design of its gap.
The elements can be made in a variety of crimp heights, ribbon metal thicknesses and diameters depending on the group of the GAS and the process data.



All gases have a defined gap through which a flame will not pass; this is called the Maximum Experimental Safe Gap (MESG).

To quench a flame, and so prevent its onward passage, the height of the cells in the element should be below the MESG of the gas/vapour being handeled.

NEC GROUP	Gas MESG	Example GAS
A	0.25 mm	Acetylene
B	≤0.45 mm(except acetylene)	Hydrogen
C	0.45 mm<x≤0.75 mm	Ethylene
D	>0.75 mm	Propane

ERRE DI