Type JS 2370

Detonation Arrester

In-line detonation arrester type JS 2370, which is also suitable for end-of-line installation, is designed to prevent flame fronts in pipe lines from passing through but allows non-burning gases to continue. Due to its compact size and low weight it is ideal for marine gas return systems. type JS is fully approved for ADNR and IMO vessels.

In-line detonation arrester type JS

Designing, testing and using of detonation arresters is a complex matter involving consideration for pipe configuration, location, operational conditions, physical properties of gases and vapors and pressure drop limitations. Type JS will restrain fire from passing in case of deflagation and detonation and can be installed anywhere in the piping. It features easily removable flame traps and can be maintained by a single service engineer without need for special tools, lifting crane etc. Certain limitations in application must be observed and thorough consulting is advised. For further information please refer to our special report on flame arresters.

Fire triangle
Detonation arrester type JS functions by absorbing the momentum in the pressure wave and by cooling the flame below self-ignition temperature.

Features of type is 2370:

- **Suitable for any location**
- **Suitable for practically any application**
- **Available in materials compatible with any gas or vapor**
- **Easy maintenance**
- **Simple and rigid design**

Options: See specification

Detonation arrester

Specification: Detonation Arresters type JS 2370

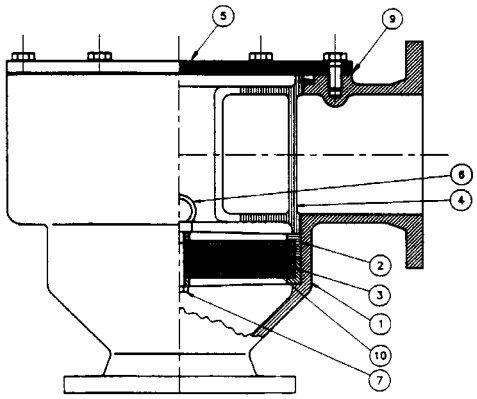
Specifications

Type:	JS 2370
Dimensions:	See drawing no. 2370
Pressure drop:*	See certified curve
Location:	In-line and end-of-line without limitaion
Application:**	Group II A gas
Test pressure:	30 bar
Number of filters:	4: 2 left and 2 right (subject to installation and application
Materials:	Cast iron, nodular cast iron, bronze, stainless steel

Nominal sizes:
ND100-150
Options:
Heating jacket, thermo coupling

Certification
Certified by PTB according to ADNR. IMO MSC/Circ.677 approved by the Danish Administration

* To be determined with consideration to physical properties of the gas of vapor.
**Please consult for II-B group gasses



Type JS

Item	Description
1	Housing
2	Flame trap retainer
3	Flame trap
4	Labyrinth
5	Cover
6	Eye bolt
7	Nut
9	Gasket
10	Spacer

For proper use and location, please consult us in advance.

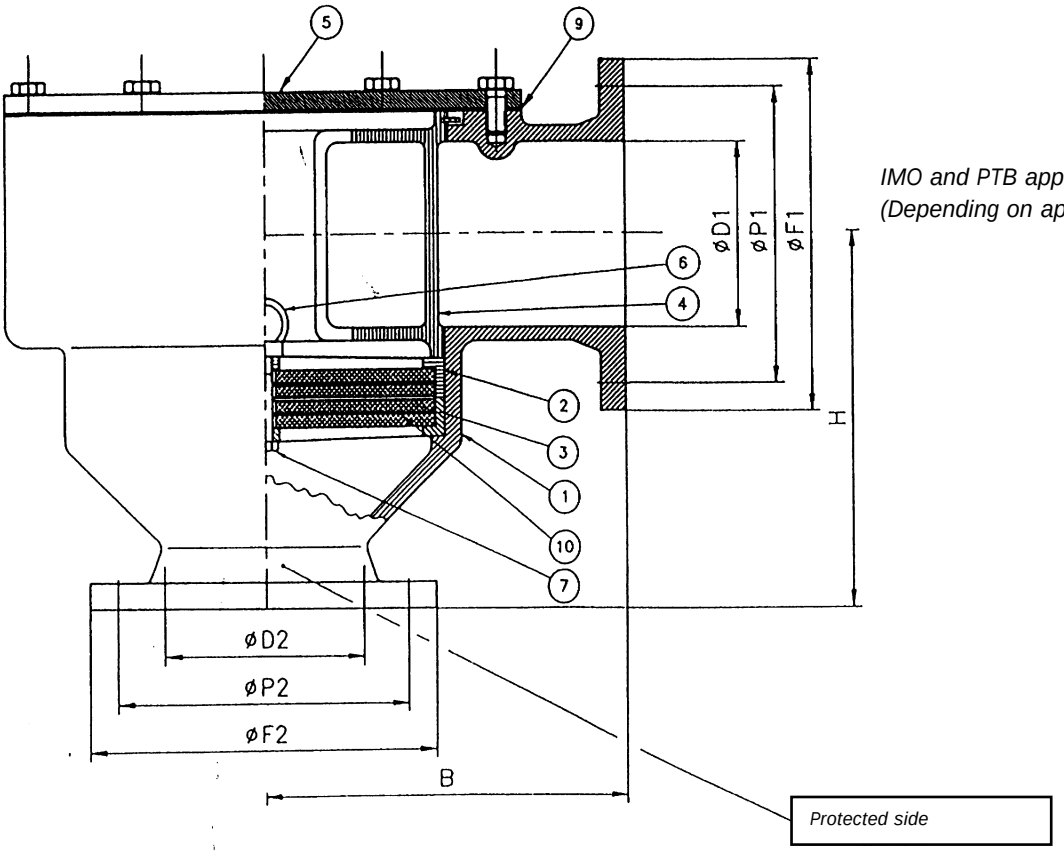
Available with any connection and in any material requested. Please ask for detail drawing and performance data sheets for any specific model and type.

drwg. no.:	2370
date: 960821	drwg.: TR
model: -	scale: ~
drw. rev.: 1	material: -

Type JS

Detonation flame arrester

						Other standards available					
6	150	6	150	300	300	285	240	8xø22	285	240	8xø22
4	100	4	100	200	232	220	180	8xø18	220	180	8xø18
øD1 inch	**øD1** mm	**øD2** mm	**øD2** mm	**B** mm	**H** mm	**øF1** mm	**P-mm** drilling	**Holes**	**øF1** mm	**P-mm** drilling	**Holes**



IMO and PTB approved
(Depending on application)

Parts list

Item	Description	Spec. 1	Spec. 2	Spec. 3
1	Housing	Cast iron	Stainless steel	Carbon steel
2	Flame trap retainer	Stainless steel	Stainless steel	Stainless steel
3	Flame trap	Stainless steel	Stainless steel	Stainless steel
4	Labyrinth	Cast iron	Stainless steel	Carbon steel
5	Cover	Cast iron	Stainless steel	Carbon steel
6	Eye bolt	Stainless steel	Stainless steel	Stainless steel
7	Nut	Stainless steel	Stainless steel	Stainless steel
9	Gasket	Non asbest	Non asbest	Non asbest
10	Spacer	Stainless steel	Stainless steel	Stainless steel