

## WHESSOE

**A Flame Arrester is a passive explosion protection device designed to prevent the propagation of a flame.**

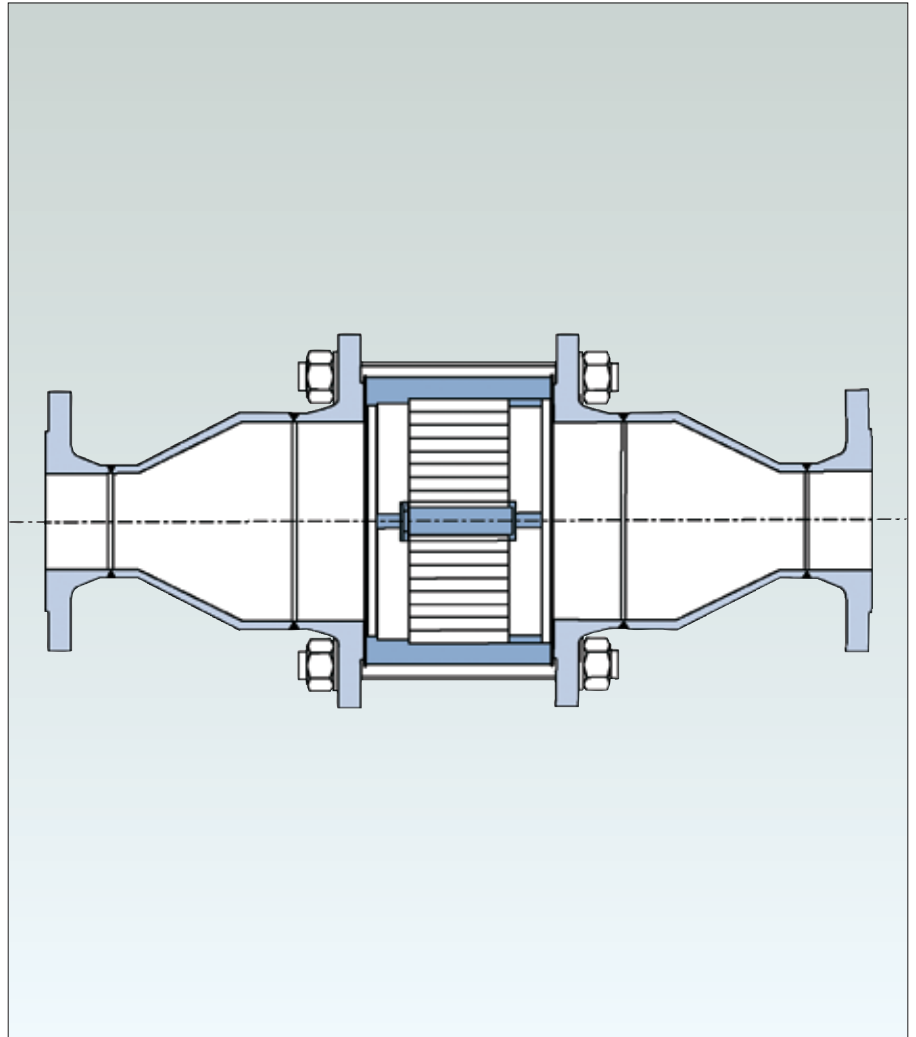
### General

Developed in our in-house Research and Development laboratory, the 600A is an In-Line Detonation Flame Arrester used to handle supersonic speeds and mounted in process or vent lines.

Detonations can be stable or unstable. A detonation is stable when it progresses through a confined system without significant variations of velocity and pressure characteristics. However, when a detonation is unstable, the velocity is not constant and the explosion pressure is significantly higher than in a stable detonation. This occurs in a limited zone during a combustion process from a deflagration into a stable detonation. The 600A is designed to handle both stable and unstable detonation.

### Features & Benefits

- Fabricated design
- Replaceable element design
- Advanced crimped metal construction
- Bi-directional
- Suitable for supersonic flame speeds
- Can be positioned anywhere within the pipeline
- Designed for unstable detonation



### Approvals

The 600A is fully approved and certified to the following internationally recognised standards:

- ISO 9001:2008
- Pressure Equipment Directive (PED) 97/23/EC
- ATEX Directive 94/9/EC

In-Line Detonation Flame Arrester
Model 600A

Materials and flange options

Materials

Carbon St. and Stainless St.

Flange drilling

ANSI 150# RF, PN10 RF, PN16 RF

Note: Special material and flanges are available on request.

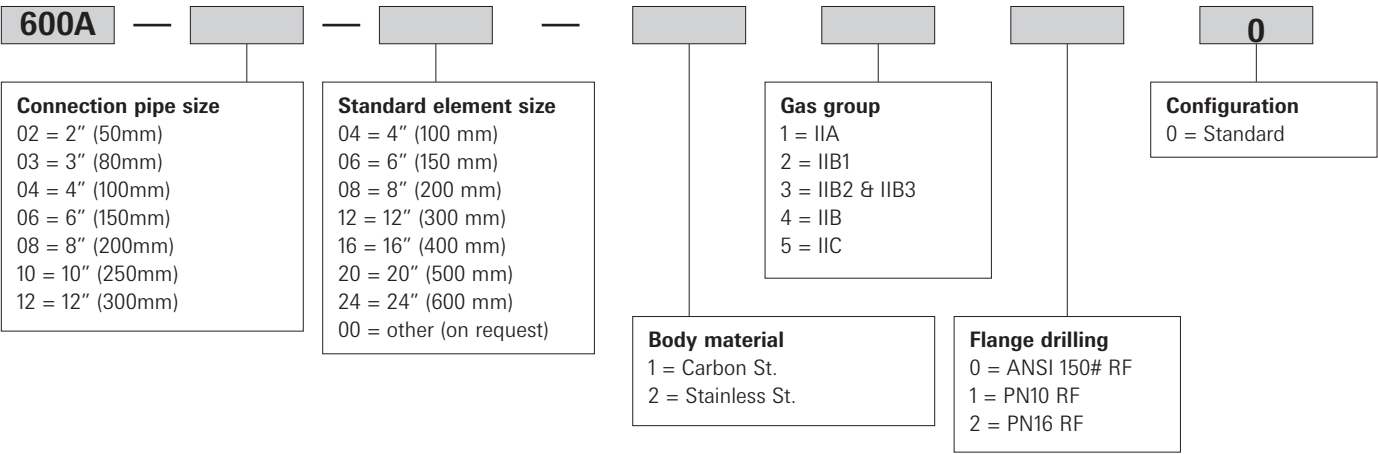
Connection pipe size

- 2"
- 3"
- 4"
- 6"
- 8"
- 10"
- 12"

Gas groups

- IIA\*
  - IIB1\*
  - IIB2±
  - IIB3±
  - IIB\*
  - IIC\*
- \* Multiple element design on 10", 12"
- ± Multiple element design on 8", 10", 12"
- \* Only available up to and including 6"

Figure numbering system



Notes

All sizing and selection must be conducted by the factory.  
Standard elements are double the pipe size.

Flame arrester inquiry form

Please complete this form with as much detail as possible and contact your local Pentair Sales Office with your requirements. Please visit our website for contact details.

Contact details

Name :	Tel. :
Company :	Fax :
Position :	Email :

Specifications

Size (please circle)	2"	3"	4"	6"	8"	10"	12"
Type of flame arrester	In-line						
Materials* (please circle)	Carbon steel		Stainless steel				
Flange* (please circle)	ANSI 150 RF		PN10 RF	PN16 RF			
Gas group (please circle)	IIA	IIB1	IIB2	IIB3	IIB	IIC	
Flow rates							
Maximum allowable pressure drop							
Distance to source of ignition							

\*Specials available on request  
Accessories also available on request