![PENTAIR]

WHESS0E

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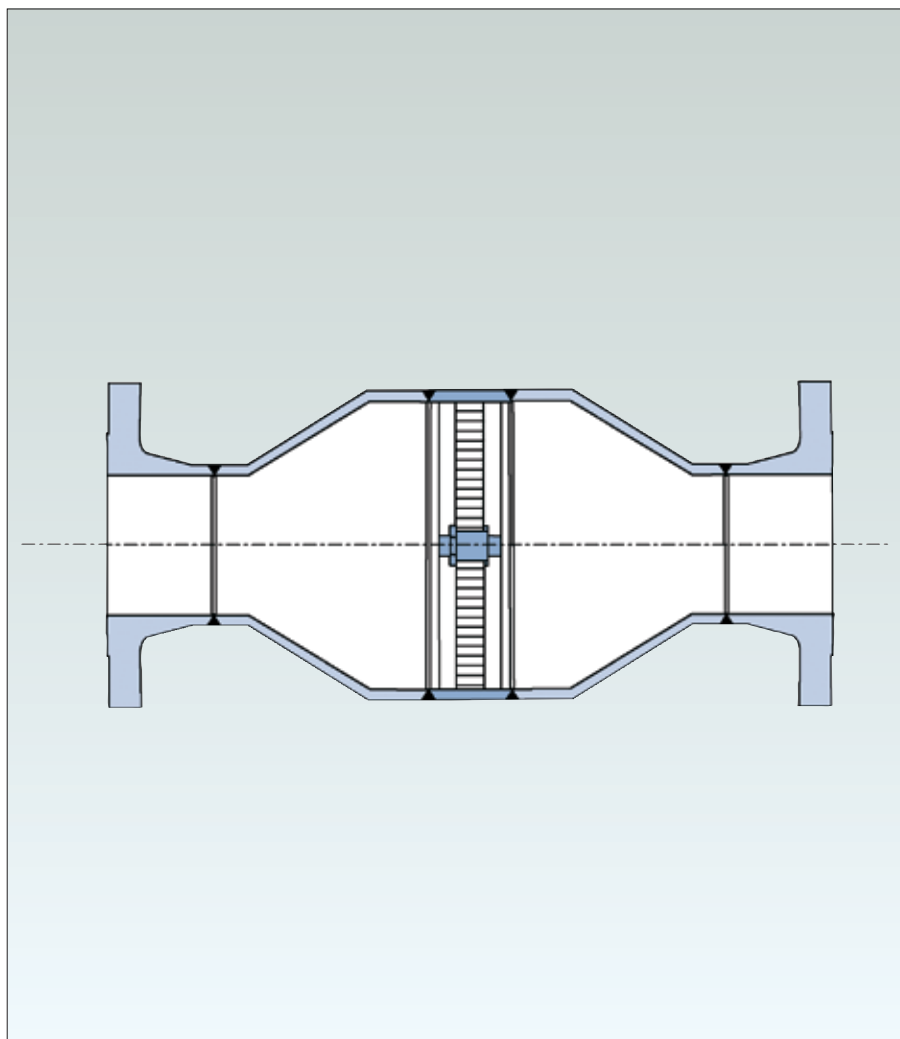
General

Developed in our in-house Research and Development laboratory, the 400A is an In-Line Deflagration Flame Arrester used in gases with subsonic flames and mounted in process or vent lines.

Deflagration units can be located in the pipeline or at the end of the pipe vent.

Features & Benefits
- Lightweight fabrication
- Advanced crimped metal construction
- Mounted vertically or horizontally
- Can be used in combination with a Whessoe Pressure/Vacuum Valve
- In-house research and development
- Excellent technical support
- Independently tested and certified
- Uni-directional

Approvals
The 400A 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

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	Gas groups
• 2″	• IIA
• 3″	• IIB1
• 4″	• IIB2
• 6″	• IIB3
• 8″	• IIB
• 10″	• IIC•
• 12″	• Only available up to and including 6″

Figure numbering system

400A — ☐ — ☐ — ☐ ☐ ☐ ☐

Connection pipe size
02 = 2″ (50mm)
03 = 3″ (80mm)
04 = 4″ (100mm)
06 = 6″ (150mm)
08 = 8″ (200mm)
10 = 10″ (250mm)
12 = 12″ (300mm)

Standard element size
04 = 4″ (100 mm)
06 = 6″ (150 mm)
08 = 8″ (200 mm)
12 = 12″ (300 mm)
16 = 16″ (400 mm)
20 = 20″ (500 mm)
24 = 24″ (600 mm)
00 = other (on request)

Gas group
1 = IIA
2 = IIB1
3 = IIB2 & IIB3
4 = IIB
5 = IIC

Configuration
A = Under Atmos P/V
P = Inline or under a
     piped away P/V

Body material
5 = Carbon St.
6 = Stainless St.

Flange drilling
0 = ANSI 150# RF
1 = PN10 RF
2 = PN16 RF

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