



Tank Protection Division

A burning desire for safety





## Flame arresters end-of-line

- » Explosion Group:  
IIA-IIB-IIB1-IIB2-IIB3
  - » Sizes:  
1" (25mm) - 24" (600mm)
  - » Flange Ratings:  
ANSI 150LB-PN16
  - » Flange Faces:  
R/F, F/F.
  - » Connections:  
Flanged, Screwed, SW & BW
  - » Materials:  
Carbon Steel & Stainless Steel,  
additional metals and coating
  - » Arresting element:  
Crimped Metal Ribbon
- Atex approval for most sizes and materials



## Flame arresters in-line

- » Explosion Group:  
IIA-IIB-IIB1-IIB2-IIB3
  - » Sizes:  
1" (25mm) - 24" (600mm)
  - » Flange Ratings:  
ANSI 150LB-PN16
  - » Flange Faces:  
R/F, F/F.
  - » Connections:  
Flanged, Screwed, SW & BW
  - » Materials:  
Carbon Steel & Stainless Steel,  
additional metals and coating
  - » Arresting element:  
Crimped Metal Ribbon
- Atex approval for most sizes and materials



## Flame arresters in-line stable, unstable detonation

- » Explosion Group:  
IIA-IIB-IIB1-IIB2-IIB3
  - » Sizes:  
1" (25mm) - 24" (600mm)
  - » Flange Ratings:  
ANSI 150LB-PN16
  - » Flange Faces:  
R/F, F/F.
  - » Connections:  
Flanged, Screwed, SW & BW
  - » Materials:  
Carbon Steel & Stainless Steel, additional metals and  
coating
  - » Arresting element:  
Crimped Metal Ribbon
- Atex approval for most sizes and materials



## PV relief valves

- » size:  
1" (25 mm) - 12" (300 mm)
- » constructed:  
aluminium, carbon steel, stainless steel,  
additional materials and coating.
- » setting pressure:  
+2,5 mbar +50 mbar.  
Upon request until +450 mbar
- » vacuum settings:  
-2,5 mbar -50 mbar.  
Upon request until -450 mbar
- » Flange Ratings:  
ANSI 150LB - PN16
- » Flange Faces:  
R/F, F/F

## Breather valves

- » size:  
2" (50mm) - 12" (300mm)
- » constructed:  
aluminium, carbon steel, stainless steel  
and additional materials.
- » setting pressure:  
+2,5 mbar +50 mbar.  
Upon request until +450 mbar
- » vacuum settings:  
-2,5 mbar -50 mbar.  
Upon request until -450 mbar
- » Flange Ratings:  
ANSI 150LB - PN16
- » Flange Faces:  
R/F, F/F
- » Connections:  
Flanged

## Emergency vents

This valve Size 10" - 20" and 24", that can also be used as a manhole (20" and 24"), it serves very well as an emergency vent, as the cover rests on its seat.  
A perfect tightness is provided by a seal ring.  
These valves can also be made in any material.

## Gauge hatches

Generally installed on tanks where volatile liquids are stored, it combine pressure relief with a gauge hatch, there by offering two functions in one economical fitting.  
Supplied in aluminium, optionally carbon steel, stainless steel.  
When ordering please specify size and materials of construction.

- » size:  
4" through 10"
- » constructed:  
aluminium, carbon steel, stainless steel  
and additional materials.



The year **2007** marks the **80th anniversary of FNC** as a manufacturer of made to measure mechanical components. For more than **30 years** FNC has been manufacturing fire prevention fittings for storage tanks and tank venting accessories.

The range of **Flame Arrester** and **Low Pressure Weight Loaded relief valve** is completed by Blanketing System and Emergency Vents.

FNC obtained **ISO 9000** certification since 1994 and has always paid great attention to quality and to innovation offered by the market in order to enable more rational and efficient production.

Since 2003 **ATEX** certified according directive **94/9/EC**.  
Flame arresters are tested certificated to **EN 12874** by independent third party Institutes.

#### **Mission**

FNC is a leading, innovative, international supplier of a wide range of venting and fire prevention fittings for low pressure storage tank. We offer our products and services based on our broad and deep knowledge of market developments, product properties, product applications, product processing. This enables us to contribute positively to our customers' and manufacturers' business operations.

#### **Strategy**

FNC took various types of action and initiated and completed various projects in the year under review in line with the plans outlined under 'Key objectives for 2007'.

In order to achieve the group's objectives, and taking into account the conclusions that can be drawn from external and internal analyses, we have categorised our strategy spearheads as follows:

#### **Wide range of products**

FNC possess a broad and deep range of products and services and are able to serve defined sectors. Their professional, top-flight product management adapts the range to meet the market's demands.

#### **Engineering and processing**

The sales and application engineers in FNC are actively involved in helping customers develop new products. FNC possesses in-house facilities for adapting all of its products to the wishes of customers.

## **Fabbrica Nazionale Cilindri S.p.A.**

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