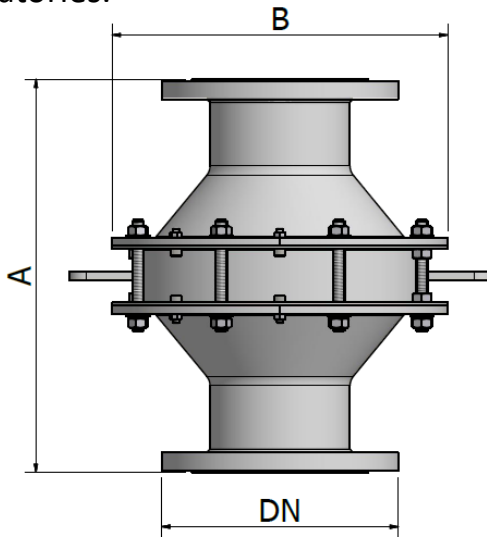


**IN LINE DEFLAGRATION PROOF FLAME ARRESTER**

# THE BEST SOLUTION FOR YOUR SAFETY

In-line flame arresters, with two connections, one on each side of the flame arrester, prevent the transmission of the flame when a flammable mixture of steam/air or gas/air is present. They are designed to allow flow but prevent flame transmission. The bidirectional design prevents flame transmission on both sides. The flame arrestors are formed from a corrugated sheet spiral wound in a circular housing. The number of discs depends on the design as well as the explosion group. All INNOVA flame arrestors are tested and certified in accordance with EN16852 by independent international laboratories.



## TECHNICAL DATA STANDARD PRODUCT

- » Explosion Group: IIA- IIA1-IIB-IIB1-IIB2-IIB3-IIC.
- » Sizes: 1/2" (DN15) – 3/4" (DN20) – 1" (DN25);  
1.1/4" (DN32) – 1.1/2" (DN40) – 2" (DN50);  
2.1/2" (DN65) – 3" (DN80) – 4" (DN100);  
6" (DN150) – 8" (DN200) – 10" (DN250);  
12" (DN300) – 14" (DN350) – 16" (DN400);  
18" (DN450) – 20" (DN500) – 24" (DN600).
- » Flange Ratings: ANSI 150/300/600 – UNI PN10/16/40.
- » Flange Faces: R/F, F/F.
- » Connections: Flanged, Screwed.

	DN15 TO 40	DN50/2"	DN65/2.1/2"	DN80/3"	DN100/4"	DN150/6"	DN200/8"	DN250/10"
A	161	246	286	286	332	456	520	576
B	125	212	260	260	327	370	470	568

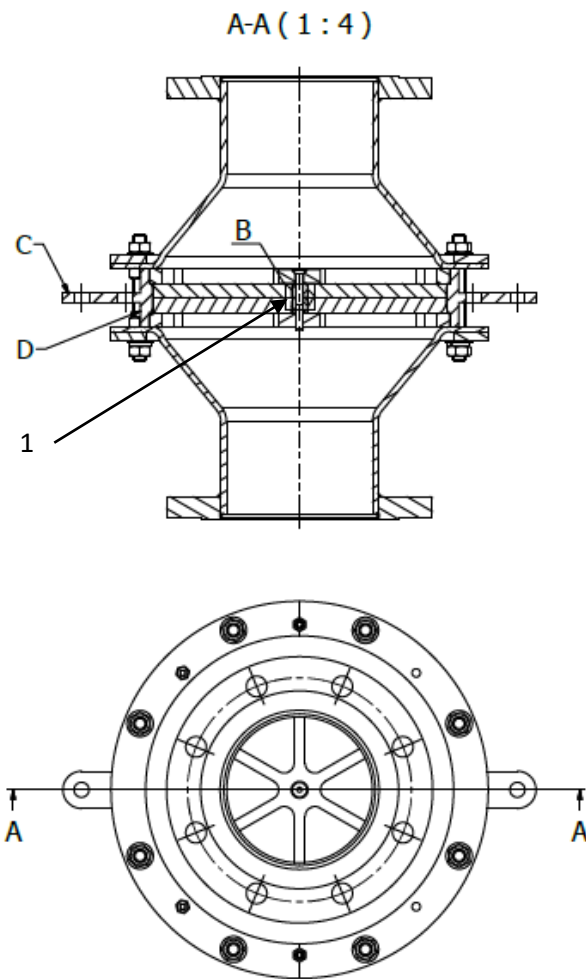
	DN300/12"	DN350/14"	DN400/16"	DN450/18"	DN500/20"	DN600/24"
A	646	816	816	874	874	972
B	685	930	930	1130	1130	1390

All measurements are expressed in mm (international metric system S.I.), the dimension "A" provided in the table is valid only if the flame arrester has only one element, therefore it depends on the quantity of elements expected in the ATEX certificate. For greater dimensional accuracy ask for the detailed drawing of the selected product.

## MATERIAL OF CONSTRUCTION

Housing	F.A. Element	Terminal body	Gasket
Stainless steel	316 Stainless	Stainless steel	PTFE
Carbon steel		Carbon steel	Viton
Hastelloy C276	Hastelloy C276	Hastelloy C276	Flexseals
Other exotic material		Other exotic material	Other on request

# TECHNOLOGY OF IN LINE DEFLAGRATIONPROOF FLAME ARRESTER



## VIEW-B

The flame arrester block consists of several elements "1" (indicated in the ATEX certificate) with different features according to the various operating conditions.

## C-LIFTING LUGS

Welded on the external jacket "D", they facilitate the lifting of the flame arrester on construction yard.

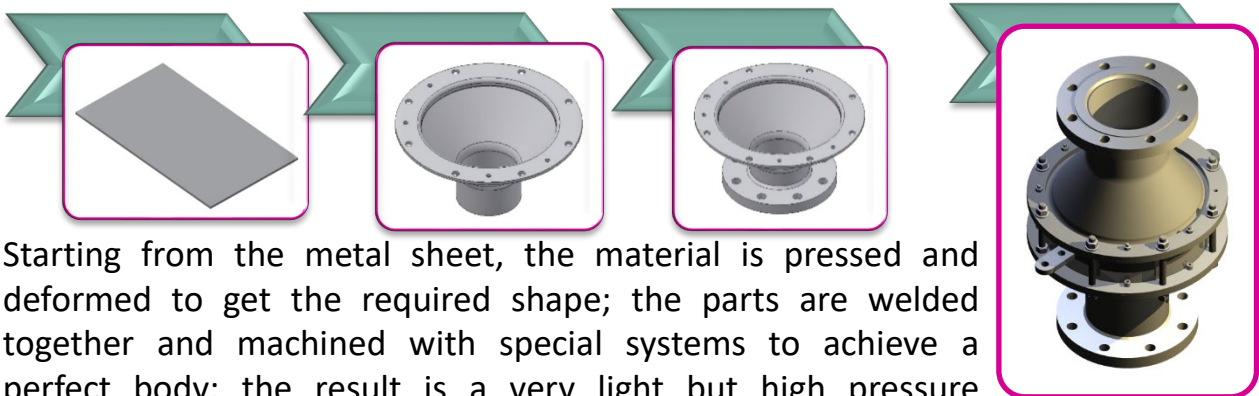
## DRAIN CONNECTION

On request it's possible to implement a flanged or threaded connection for drain, which purpose is to expel the condensation that could form inside the process.

## PROBE CONNECTION

On request it is possible to make a flanged or threaded connection for a temperature or pressure probe. Our standard for probe connections is the 1/2 "female gas connection, but on request we can make the connection that best suits your needs.

## A NEW MANUFACTURING METHOD FOR THE HIGHEST QUALITY



Starting from the metal sheet, the material is pressed and deformed to get the required shape; the parts are welded together and machined with special systems to achieve a perfect body; the result is a very light but high pressure resistance housing. The raw materials come from Europe and we are the only one providing a 100% Italian manufacturing.



## **HISTORY**

INNOVA s.r.l. is an Italian metalworking company founded in October 2018.

The company was established to expand the SAIAPCK s.r.l. with the acquisition of the TANK PROTECTION DIVISION, branch of FNC.

SAIAPCK s.r.l., founded in 2012 with headquarters in MILAN (already a purchaser of the activity of BIMEC snc, founded in 1983), expert in precision machining and industrial automation. TANK PROTECTION DIVISION, specialist in the production of valves and systems for the protection of tanks and plants of low pressure.

INNOVA srl, despite being a young company, for its activity, it can immediately trust the professionalism, competence and experience of the staff of the two old companies and the reputation of their products on the market.

The fusion of the technological and mechanical know-how of SAIAPCK and the product and market know-how of TANK PROTECTION DIVISION has resulted in a perfect combination for worldwide development.

## **PRODUCTS**

Currently the company is able to provide processing and assembly services for third parties through the OMAW division as well as propos-

als and solutions for industrial automation; the FNC VALVES division manufactures innovative products for the safety of storage facilities such as breather valves, flame arresters and a wide range of accessories for tanks and gas lines.

## **QUALITY**

The company is ISO9001 and ATEX 2014/34 / UE certified with more than 250 type certifications according to ISO16852 in addition to the innumerable certifications related to the different applications (PED, DNV-GL, TR-CU, etc.).

## **MISSION**

Providing real improvement proposals through innovation to satisfy customers by differentiating from commodities and low cost alternatives; expanding the business globally through rapid but structured growth, creating profit through process improvement and the satisfaction of all stakeholders with a particular focus on the quality of life of employees.

## **VISION**

Excellence in service for automation and world leadership in the production of safety devices for plants.

### **INNOVA SRL**

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