



FNC S.p.A. is an Italian company established in 1927 with the purpose of manufacturing high precision mechanical products on customer request. For more than 50 years it has specialised in the manufacture of safety systems and components for Oil&Gas, Chemical and Pharmaceutical plants.

The products

FNC has developed two main lines within a vast range of products, the FLAME ARRESTERS and the BREATHING VALVES, which are applied widely in the storage sector.

The quality

In order to guarantee the best service for the customer, FNC has structured itself throughout the years in a way to obtain the highest qualitative standards, thus obtaining ISO9001 certification in 1994, ATEX 94/9/EC certification in 2003 and successively ISO14000, GOST and GLLOYD certification.

The mission

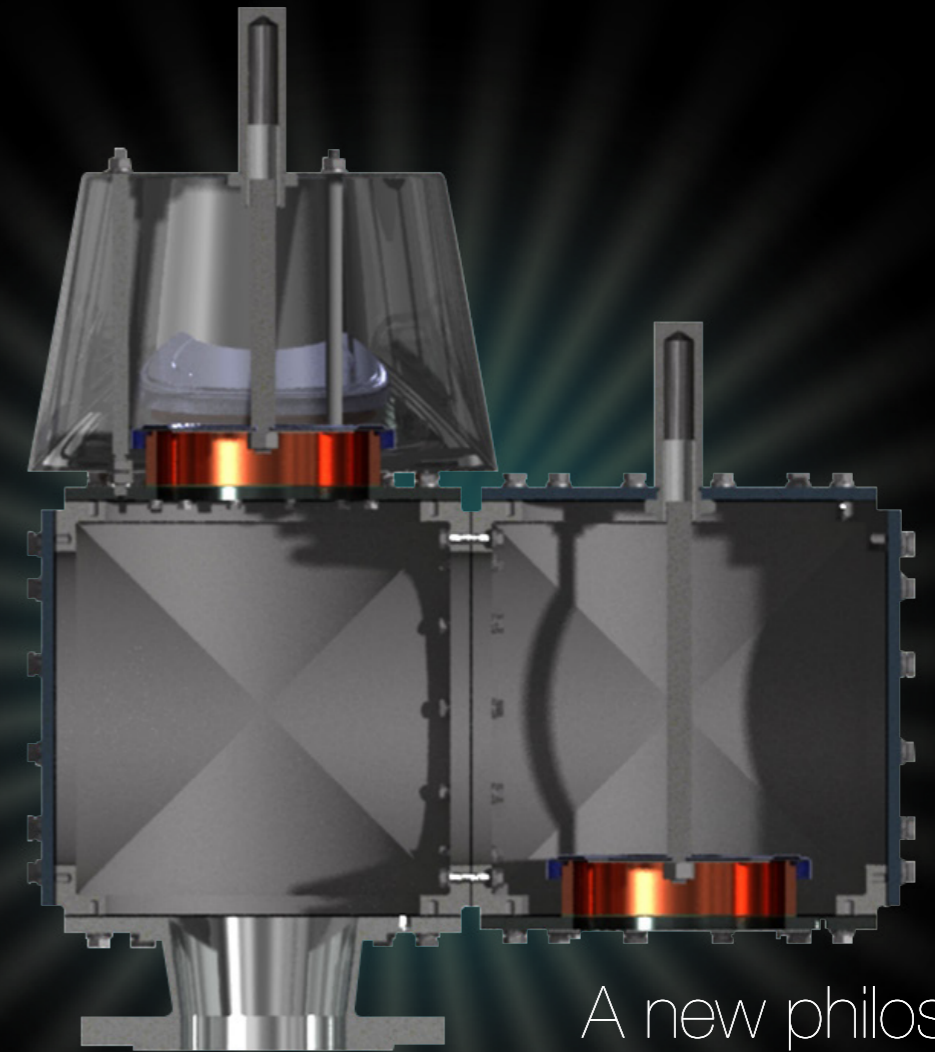
FNC wants to be a company acknowledged worldwide for the best quality/price ratio in the main product lines and leader in technological innovation for the service and customer safety.

The strategy

FNC continues with the development of its network or subsidiaries, distributors and agents, selected and prepared worldwide. Larger investments are allocated to Research and Development every year and also in continuous improvement projects regarding the products and processes.



Tank Protection Division



A new philosophy

Fabbrica Nazionale Cilindri S.p.A.

Via Maestri del Lavoro - Z.I. via per Gorla

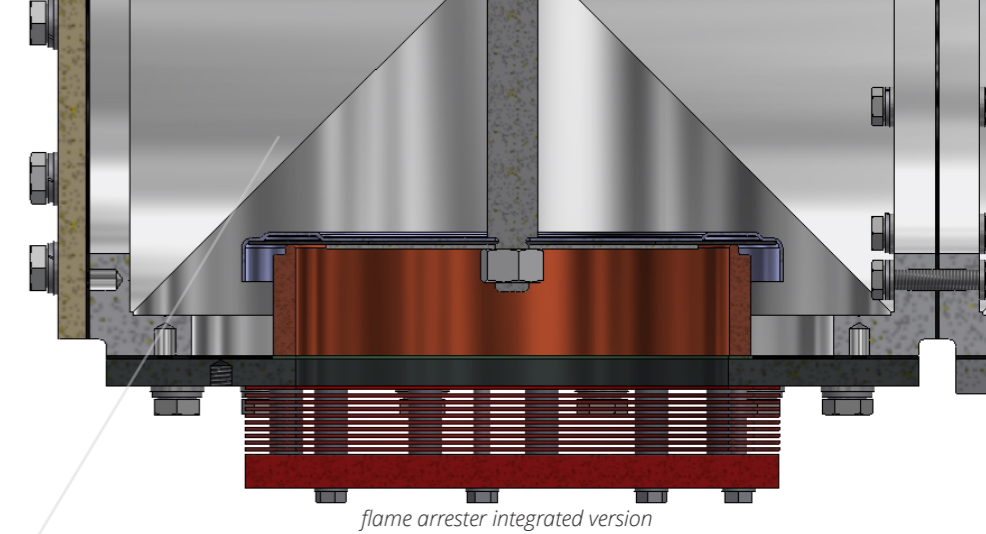
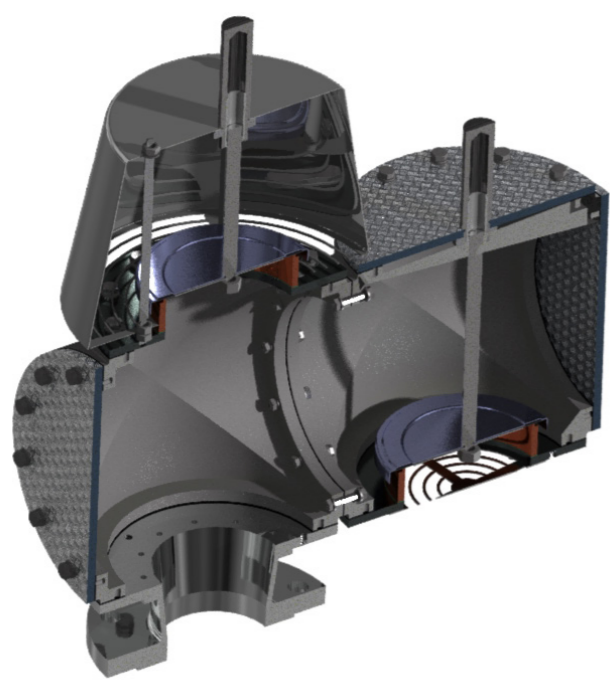
21040 | CISLAGO (VA) Italy

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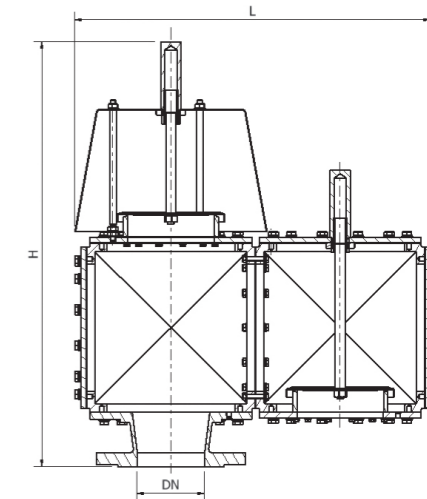
sales@fncitalia.it

<http://www.fncitalia.it>





flame arrester integrated version



SIZE: from **DN25** to **DN300** (different sizes available upon request)

OPERATING TEMPERATURE: from **-60°C** to **400°C**

OPERATING PRESSURE: from **-450mbar** to **450mbar**

CALIBRATION METHOD: **weight** or **spring**

TYPE OF SEALS: with **membrane** or **metal on metal**

DN	50	80	100	150	200	250	300
L	310	445	520	730	910	1055	1200
H	405	578	675	950	1180	1370	1560



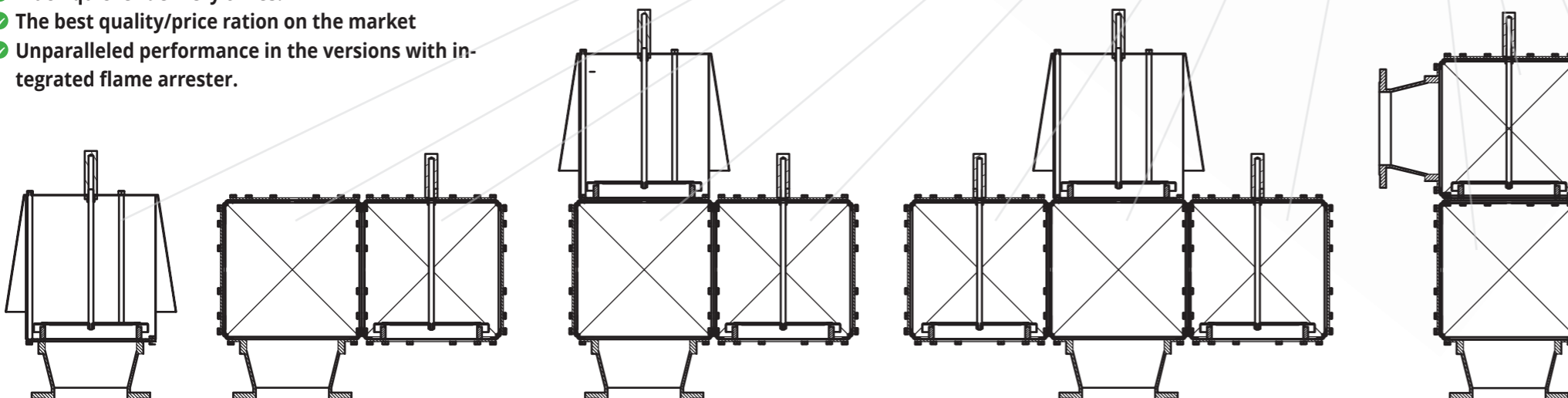
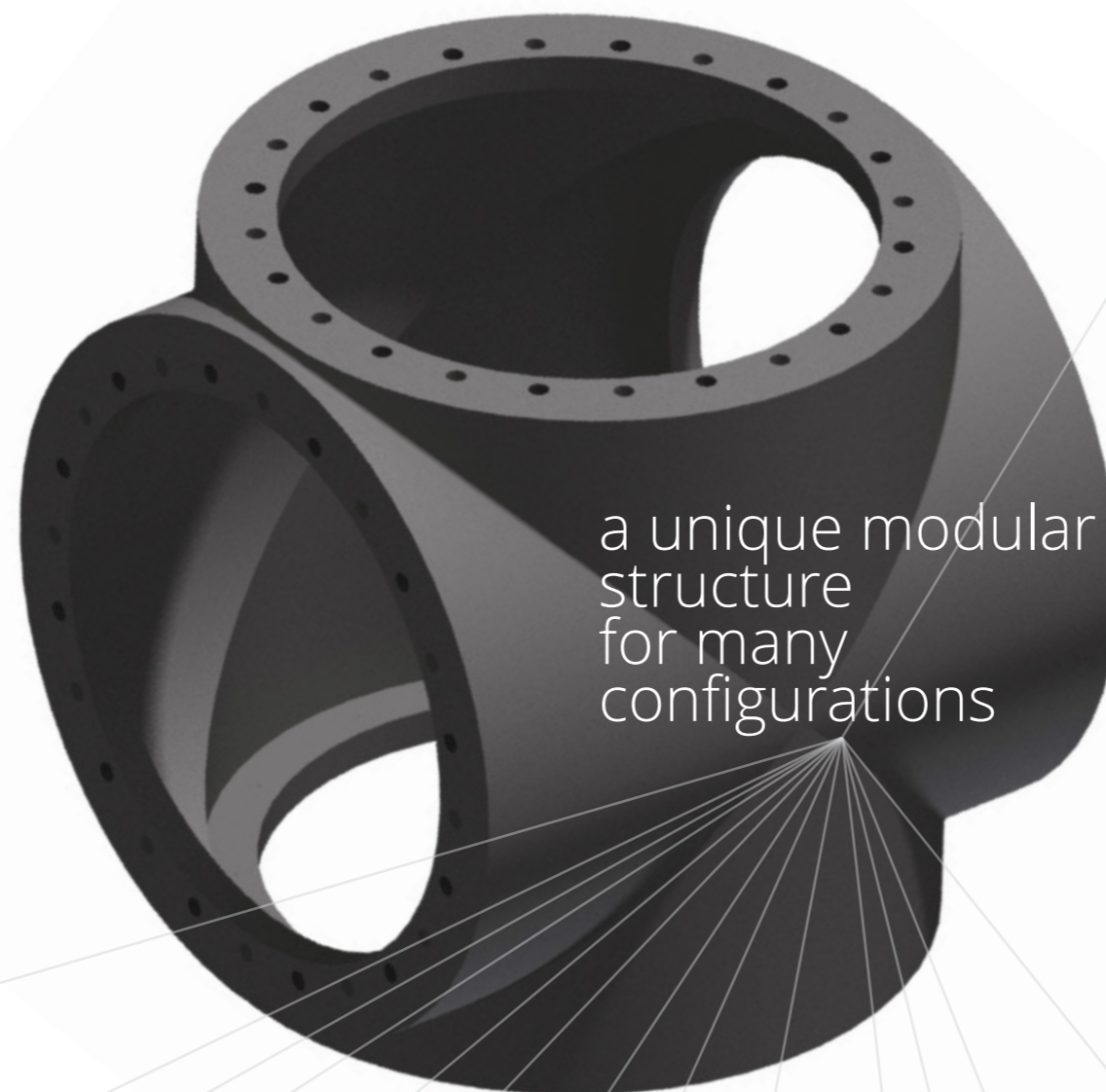
PARTS	C.STEEL	S.STEEL	COATED	HASTELLOY	PLASTIC	SPECIAL
Body	C.Steel	SS316	C.Steel	C-276	HDPE	Upon request
Flange	C.Steel	SS316	C.Steel	C-276	HDPE	Upon request
Seat	SS316	SS316	C-276	C-276	HDPE	Upon request
Pallet	SS316	SS316	C-276	C-276	HDPE	Upon request
Stem	SS316	SS316	C-276	C-276	HDPE	Upon request
Guide	C.Steel	SS316	C.Steel	C-276	HDPE	Upon request
Plate	C.Steel	SS316	C.Steel	C-276	HDPE	Upon request
Cover	C.Steel	SS316	C.Steel	C-276	HDPE	Upon request
Rainproof	C.Steel	SS316	C.Steel	C-276	C.Steel	Upon request
Bars	SS304	SS316	C.Steel	C-276	HDPE	Upon request
Sealing	VITON	PTFE	PTFE	PTFE	PTFE	Upon request
Gasket	NON ASB.	NON ASB.	PTFE	PTFE	PTFE	Upon request
Net	SS316	SS316	SS316	C-276	SS316	Upon request

A NEW PHILOSOPHY FOR BREATHING VALVES

FNC has developed a new valve philosophy; introducing some effective ideas taken from the **AUTOMOTIVE** and **LEAN MANUFACTURING** sectors: modularity, interchangeability of the parts, reduction of the components to specification, economy of scale, are just a few of the concepts applied to a product which, even if old, has gained **NEW LIFE**, giving the possibility to obtain performance never seen before.

ADVANTAGES

- ✔ A large **number of configurations** able to optimise the dimensions of the valve with the applications, minimising over-sizing and the amount necessary to meet project requirements.
- ✔ **Higher flow rates** with smaller pressure drops.
- ✔ **Simplified maintenance** thanks to better access to the internal parts.
- ✔ Fewer spare parts to be kept in the warehouse because it is a complete line realised with a unique body and the same internal parts (pressure, vacuum, breathing, in line, end of line, etc.)
- ✔ Possibility of increasing the **performance of valves already installed**.
- ✔ **Tighter sealing** thanks to the shape of the parts easy to machine to very small tolerances.
- ✔ Product flexibility thanks to the **modular system**.
- ✔ **Smaller and lighter solutions**, where requested.
- ✔ **Much quicker delivery times**.
- ✔ **The best quality/price ration on the market**
- ✔ **Unparalleled performance in the versions with integrated flame arrester**.



configuration examples

