SAFETY SHIELDS

STAINLESS STEEL

TEXTILE

NEW COMPONIT

FLANGE SAFETY SHIELDS

Flange safety shields to enhance security

One of the most dangerous and critical part inside industrial plants is represented by flanged couplings whose failure endanger operators safety, in particular if high temperatures or toxic fluids are present. The accidental damage of the gasket can cause a sudden leakage from the flanges generating a jet of high kinetic energy.

We propose two types of flange safety shield: stainless steel made or high tech fabrics made. In any case they both are is the best waterproof and protective barrier capable of avoiding the already mentioned hazards.

Safety shields are easy to be installed directly on the gasket in order to create a barrier between the flanged coupling and the outside environment. The aim is to prevent possible injuries due to the contact with corrosive and dangerous fluids, therefore representing an effective tool to reduce industrial and social costs.

Industries where flange safety shields are used

- Food and Beverage
- Naval Industry
- Paper Mills
- Thermoelectric Power Plants
- Chemistry
- Pharmaceutical
- Oil & Gas
- Refineries
- Sewerage and waste water treatment
- Steel Industry

JETSHIELD

Made in stainless steel

Jetshield L

CHARACTERISTICS

- Stainless Steel
- Adjustable
- Light
- Temperature up to 900°C
- Resistence pressure up to 90 bar

JETSHIELDS are made in stainless steel AISI 316L and they are less than a millimeter thick. They are produced with a special drainage system made up by a multi-layer of stainless steel nets welded together.
They have been projected, tested and produced to resist to temperature up to 900°c and pressure up to 90 bar.
Jetshields are equipped with an adjustable hook fastener to fit different flange sizes.
They are available both classic version (Jetshield L) or version with special drenage system included, to convey possible loss far from the flanged coupling (Jetshield LD).

FABRIC SAFETY SHIELD

Our fabric safety shields are able to resist to most chemical agents. They are manufactured with technical and specific fabrics, like PVC or glass fabric coated PTFE or silicone.

They can be designed with different fastening methods depending on the needs but they are always supplied with fireproof hook-and-loop fasteners for easy installation.

Some safety shield models can reach temperatures up to 300°C (Chemshield).

Other models are studied for low temperatures, and their function is to change color when in contact with corrosive or acid media, serving as a visual signal of a dangerous leakage (Detectorshield).

They can be installed in every environment, indoor or outdoor, since they are realized with hydro repellent, fire-retardant and UV-resistant materials.

Detectorshield

Chemshield T

MANUFACTURING METERIALS

- Fabric for environment with an explosive atmosphere (ATEX)
- Glass fabric + PTFE
- Glass Fabric + silicone
- PTFE
- FEP
- PVC

Chemshield V

NEWS

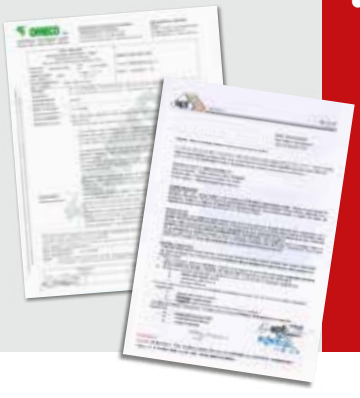
Pyroshield a new benchmark in **Oil&Gas sector**

It is engineered to avoid jet fire in dangerous environments,
It is realized taking advantages from intumescent fabrics and nanotechnology insulation.
It guarantees both thermal and mechanical protection to the gasket between flanges.
It is certified RINA and tested in one of the best Italian laboratory.
Pyroshield is providing a new benchmark for Oil & Gas sector in the field of safety at work.

CERTIFICATIONS

New Componit metal safety shields called JETSHIELD reduce the risks to activate a "jet-fire" event due to a loss of liquid from defective flanged couplings on valves, actuators or air tanks.

All New Componit safety shields are products designed to satisfy the European laws on safety at work. (D.lgs. n°81 del 9 aprile 2008)



Pyroshield and jetshield are certified RINA:

- **Tested Jet Fire (APT)**
- **Tested in pressure up to 90 bar (OMECO)**

NEW COMPONIT

REFERENCE LIST

Some of our customers:

- Alstom Power
- Amsa
- Ansaldo Boiler
- ArcelorMittal
- A2A Gencogas
- Bono Energia
- BWE
- Cerrey
- Clyde Bergmann
- Danieli
- Demont
- Edf Fenice
- Edipower
- Edison
- Endesa
- Enel
- Engie Group
- Eni
- Enipower
- E-ON
- EP Produzione
- Erg
- Fincantieri
- Foster Wheeler
- GE Oil&Gas
- GE Energy
- Hera
- Fisia
- Idreco
- Isab
- John Zinc
- Kirchner
- KTI
- Linde Impianti
- Macchi Caldaie
- Magaldi
- Mapna
- Metso Paper
- Namag
- Nem
- Nooter Eriksen
- Pan American Energy
- Q-Power
- Repsol
- Riva Group
- Selas Linde
- Siemens
- Sorgenia
- Stejasa
- Tecnimont KT
- Termokimik
- Wartsila
- Zambon

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