

ENHANCE SECURITY

SAFETY SHIELDS

Protect and save money



INDUSTRIES

Energy

Naval

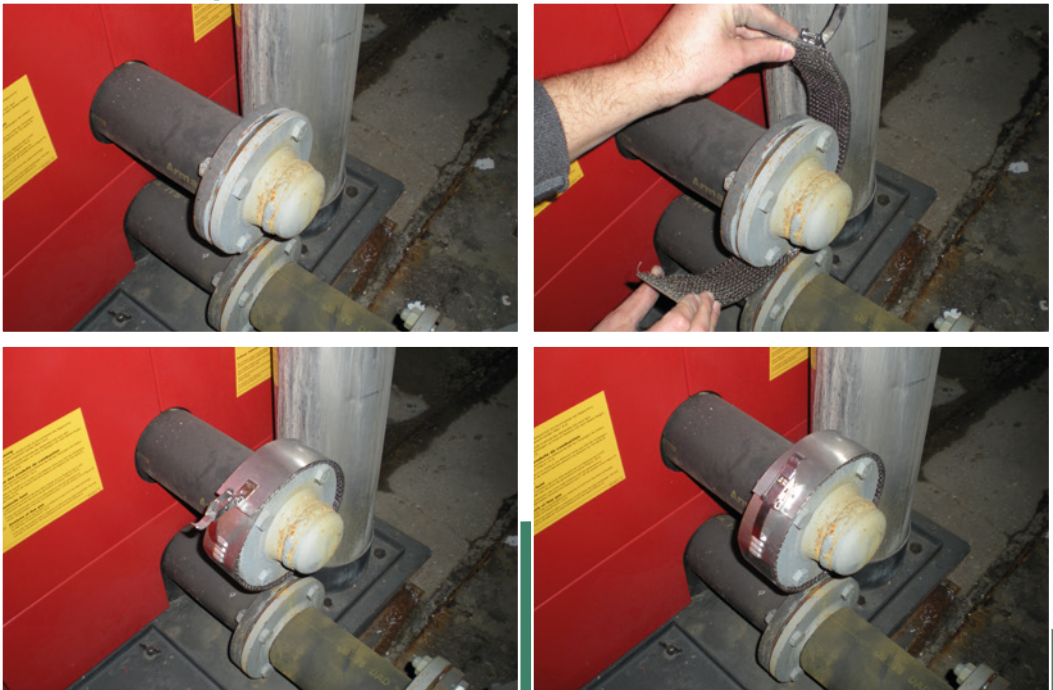
Oil&Gas

NEW COMPONENT
textile solutions for heat treatment

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 both of them is the **best waterproof and protective barrier** capable of avoiding the hazards already mentioned.



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 in which our flange covers find application

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



METAL SAFETY SHIELDS

Made in **stainless steel**

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 stainless steel net 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 drainage system included**, to convey possible loss far from the flanged coupling (*Jetshield LD*).

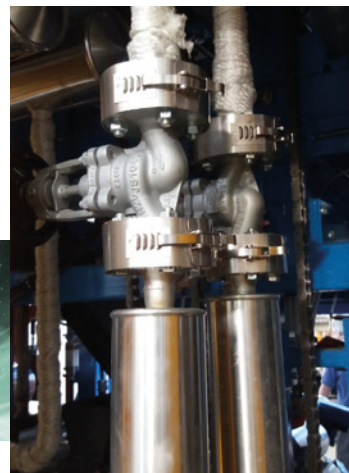


CHARACTERISTICS

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



Jetshield L



FABRIC SAFETY SHIELDS

Our fabric safety shields are able **to resist to various 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 possibility depending on the needs but they are **always supplied with fire-proof hook-and-loop fasteners** for easy installation.



Detectorshield

MANUFACTURING MATERIALS

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

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



Chemshield



Detectorshield ag



Detectorshield av



Detectorshield b



Easyshield



Ghostshield

Other models are studied for low temperatures, and their function is **to change color** when in contact with corrosive or acid substances, 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**.

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.



Pyroshield and *Jetshield*
are certified RINA:

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

New Composit 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 the New Composit safety shields are **products designed to satisfy the European laws** on safety at work.

(D.lgs. n°81 del 9 aprile 2008).



ENERGY SAVING

ENVIRONMENTAL SUSTAINABILITY AND THE FUTURE

We want to improve our climate by **promoting sustainable insulation systems** with the goal of **saving energy** and reducing CO₂ emissions.

Ours is a choice of safety and quality

An extra guarantee for those who work with us

- **ISO9001:2015**
Quality System
- **ISO14001:2015**
Environmental Management System
- **ISO45001:2018**
Systems for Health and Safety Management of Workers



WE KNOW HOW **TO PROTECT YOU**

safety shields



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