

Protect your critical flange connection with

KLINGER KEMPCHEN SPRAY SHIELDS

KLINGER FOR SAFETY

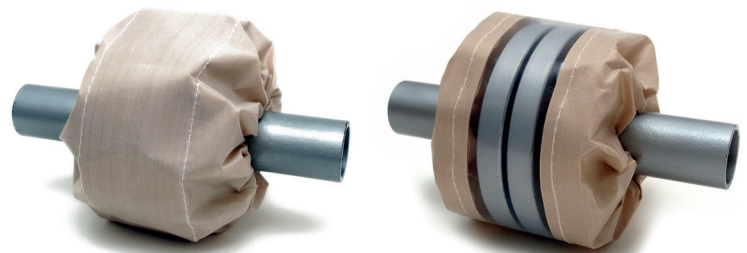


PERSONAL PROTECTION 

LECK DETECTION 

ENVIRONM. PROTECTION 

SAFE DISPOSAL 



- » Recommended protection for critical flange protections
- » Reduces the risk of incidents
- » Optimal safety for your employees

REDUCE THE RISK OF ACCIDENTS

With the growing focus on safety and environmental protection, preventing leaks at flange connections has become a key issue for industry.

KLINGER Kempchen is aware of this challenge and provides tailored support from the outset (correct gasket selection, flange joint calculations, recommended installation methods, inspections, etc.) to help prevent issues before they arise.

Regardless of this, flange connections through which, for example, aggressive chemicals, thermal oils or high-pressure steam are conveyed always involve risks. These are the so-called "critical flange connections."

Failure of critical flange connections can lead to significant damage (environmental, human and economic) and may also affect surrounding plant components.

To minimize damage caused by leaks and the release of hazardous media, we recommend the use of spray shields.

Spray shields are easy to install and available in various designs for different applications. They serve for personnel protection, monitoring flange connections during operation, and environmental protection.

Our team looks forward to receiving your enquiries.

Available in PP, PE, PVC, PTFE or metal. Depending on the material used, suitable for:

TEXTILE SPRAY

Acids (sulfuric acid, hydrochloric acid, nitric acid, phosphoric acid)

Hydrogen fluoride

Solvents

Ammonia

Peroxides

Glycol

Max. 250 °C and 64 bar – higher pressures available upon request.

METAL SPRAY SHIELDS

Steam

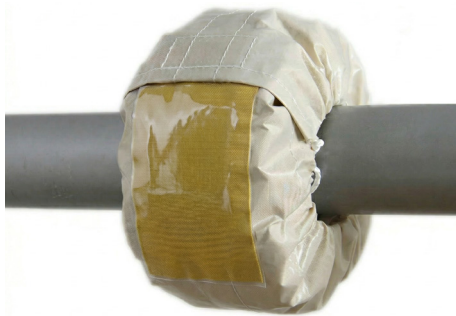
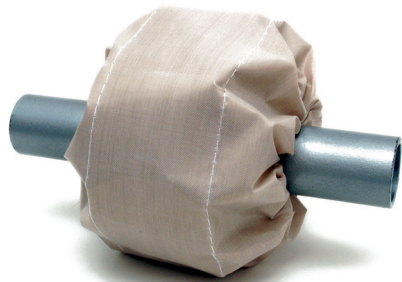
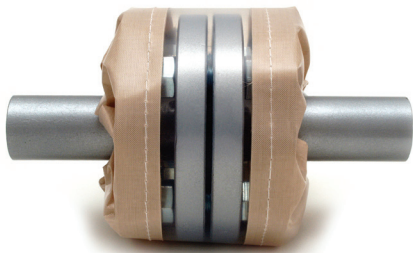
Thermal oils

Hydraulic oils

Max. 500 °C and 100 bar – higher pressures available upon request.

TYPES OF SPRAY SHIELDS

Available in PP, PE, PVC, PTFE or metal designs.



PROPERTIES – TYPE FG-PTFE

- » The material consists of fully PTFE-impregnated glass fibres
- » Transparent viewing window made of ETFE
- » Seams and cords are also PTFE-impregnated.
- » Spray shield with double seams for optimum strength

- » Excellent mechanical strength properties.
- » Chemical resistance
- » Temperature range from -200 bis 250°C
- » 64 bar
- » Both maximum parameters must not occur simultaneously

OPTIONS:

- » Standard version
- » With viewing window.
- » With drain connection.
- » With indicator strips for leak detection.

METAL

- » Material: stainless steel 316 or 304
- » Thickness: 0,6 mm
- » Temperature up to max. 500°C.
- » 100 bar
- » Both maximum parameters must not occur simultaneously

OPTIONS

- » With or without drain connection
- » With spacer cylinders

