

## FLANGE GUARDS™



### FlangeGuard Solutions

As well as providing a safer working environment, FlangeGuard solutions from Adept HSG reduce risk of hazardous spray-out by diffusing and condensing (vapours + liquids) into a safe drip.

The new innovative Safety Spray Shield design from FlangeGuards has significant improvements against conventional shielding products.

With no pull cords and fitment time of a few seconds, the SUREBAND Safety Spray Shields, in Steel and Clear, both feature a multi layered internal mesh that diffuses pressure release.

### Advantages of FlangeGuards

- UK Design and manufactured so we can respond rapidly to non standard and bespoke technical requirements.
- Made in a range of materials to cover various temperatures and media.
- Fitted and removed within seconds.
- Innovative mesh design diffuses explosive leaks into safe drips.



**abbeyseals.ie**



SEAL MANUFACTURERS

DISTRIBUTORS

GASKET CUTTERS

**DUBLIN** Unit B1, Nangor Road Business Park, Nangor Road, Dublin D12 TNY6, Ireland **T:** +353 (0)1 427 7900 **E:** dublin@abbeyseals.ie

**CORK** 31B Euro Business Park, Little Island, Cork, T45 X310, Ireland **T:** +353 (0)21 500 3555 **F:** +353(0)21 500 3554 **E:** cork@abbeyseals.ie

**DIRECTORS** P.J. Flanagan, C. Flanagan, J. Flanagan, A. Flanagan, N. Flanagan. Registered in Ireland No. 110912

## SOURCE. SUPPLY. SERVICE.



### SUREBAND<sup>Clear</sup>

#### Ideal for Acid / Caustic / E15 Oil and Diesel mist prevention

Manufactured from All-PTFE materials (no fibreglass) comprising clear ECTFE outer and multi-layered ETFE mesh inner. This material provides unparalleled chemical resistance.

The internal mesh is compressed against the flange and prevents direct and lateral spray. The liquid pressure inside is rapidly diffused, resulting in a safe drip-release.



#### Specification:

|                       |                        |
|-----------------------|------------------------|
| Band Material:        | ECTFE                  |
| Mesh Material:        | ETFE                   |
| Fastener:             | Heavy Duty Velcro      |
| Shear Force:          | 196 N                  |
| Max Temperature:      | 200 Deg C              |
| Flange Ratings:       | ANSI / DIN / B.S + JIS |
| Pipe Sizes:           | 15mm to 1200mm         |
| Leak Detection:       | Visual Litmus Paper    |
| Typical Applications: | Acid, Bases, Oil       |

### SUREBAND<sup>Steel</sup>

#### Ideal for Fuel / Hydraulic oil / Steam E15 Oil and Diesel mist prevention

This shield design comprises a steel band and an internal layer of steel mesh which is compressed against the flange itself. This mesh, which is crimped along the centre to fill the gap between the two flange faces, is critically important. It quickly and efficiently diffuses the spray-out, resulting in a safe drip-release. All our shields are tested on our hydrostatic pressure test facility, test certificates available on request.

SUREBAND<sup>Steel</sup> is quick to install and typically used on high pressure pipe lines. It is ideally suited to Steam / Oil applications & has been leak tested at various orifice sizes at pressure up to 335 Bar. It can be re-used in the event of a leak, thus providing a long term solution.

#### Specification:

|                       |                        |
|-----------------------|------------------------|
| Band Material:        | 316 st st              |
| Mesh Material:        | 316 st st              |
| Fastener:             | 316 st st              |
| Shear Force:          | 2,000 N                |
| Max Temperature:      | 500 Deg C              |
| Flange Ratings:       | ANSI / DIN / B.S + JIS |
| Pipe Sizes:           | 15mm to 1200mm         |
| Typical Applications: | Steam / Oil            |



## BETTER.



### SUREBAND<sup>®</sup>Steel

Comprising all-316 stainless steel outer band and inner, multi-layered mesh. SUREBAND Steel works effectively at high pressure and wide temperature ranges. The quick-connection latch makes installation simple.



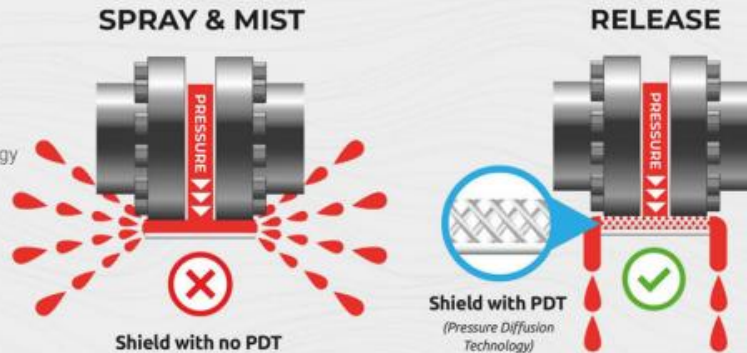
### SUREBAND<sup>®</sup>Clear

100% ETFE and ECTFE. Conventional fabric shields are made from fibreglass coated with PTFE. Over time, with exposure to corrosive environments, the fibreglass is exposed and ultimately degrades. Clear contains no fibreglass, ensuring a considerably longer life span.

## SAFER.

### PDT Technology

Our Pressure Diffusion Technology makes Adept FlangeGuards the most effective shield design on the market.



## QUICKER.



### Quick-fit connection

Our Quick-fit connection makes installation and removal of Safety Spray shields quick and simple

- The Clear shield uses propriety technical hook+loop connection (40kg lateral shear strength).
- The Steel shield uses a quick-connection latch which locks into one of 4 specially designed louvre slots.

Better. Safer. Quicker.

abbeyseals.ie



SEAL MANUFACTURERS

DISTRIBUTORS

GASKET CUTTERS

**DUBLIN** Unit B1, Nangor Road Business Park, Nangor Road, Dublin D12 TNY6, Ireland **T:** +353 (0)1 427 7900 **E:** dublin@abbeyseals.ie

**CORK** 31B Euro Business Park, Little Island, Cork, T45 X310, Ireland **T:** +353 (0)21 500 3555 **F:** +353(0)21 500 3554 **E:** cork@abbeyseals.ie

**DIRECTORS** P.J. Flanagan, C. Flanagan, J. Flanagan, A. Flanagan, N. Flanagan. Registered in Ireland No. 110912