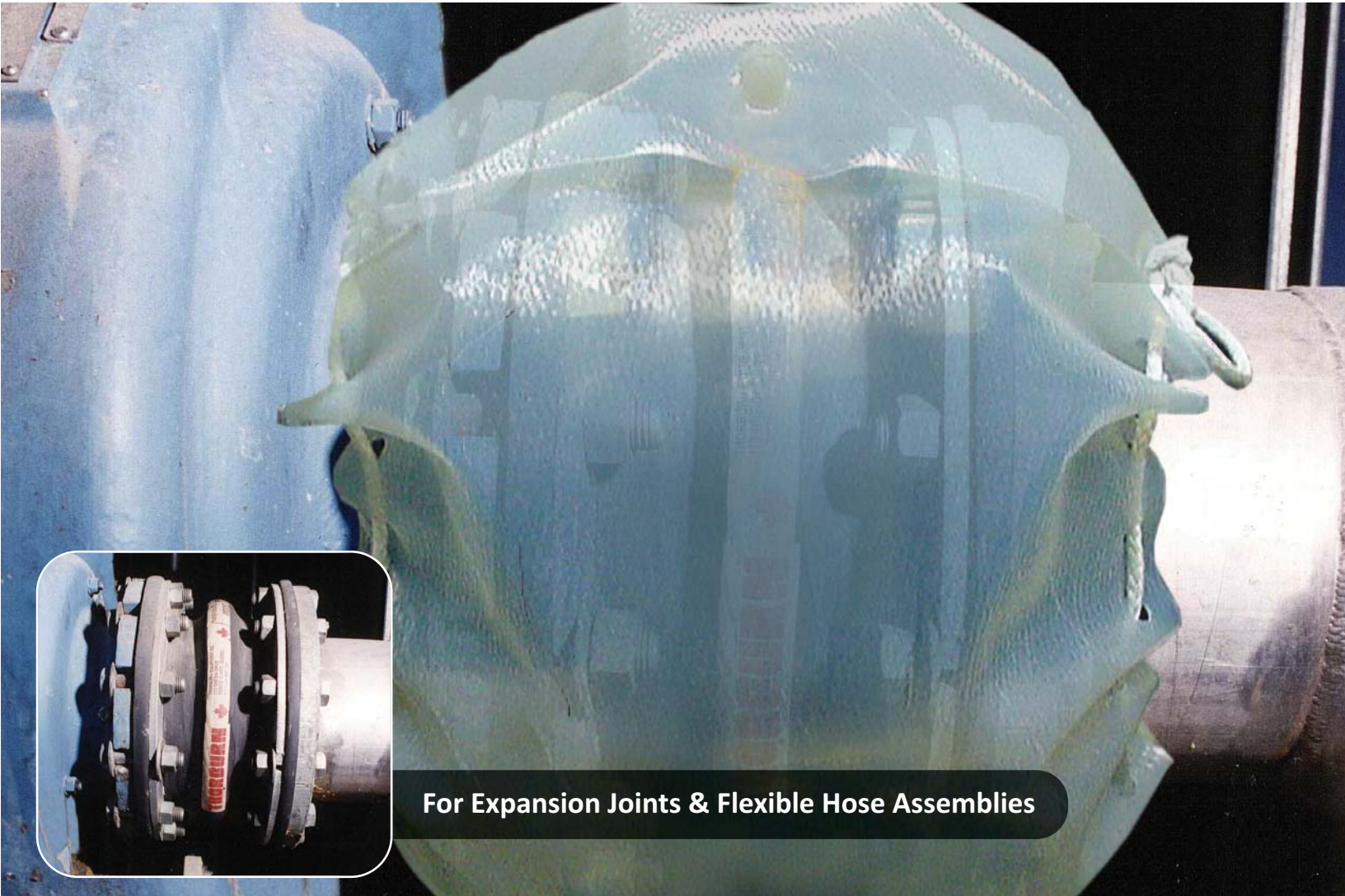


# *ThorburnFlex*



For Expansion Joints & Flexible Hose Assemblies

**THOR-SHIELD - TLFP Spray Shields**  
Engineered Solutions For Pipe Motion

Canada

[www.thorburnflex.com](http://www.thorburnflex.com)

## THOR-SHIELD TLFP Spray Shields



### Available with 150 psi (10 bar) & 300 psi (20 bar) rating

Thorburn Flex offers safety spray shields manufactured with a non-porous, 100% PTFE multi-directional TLFP material. THOR-SHIELD TLFP Spray Shields guarantee performance against harmful spray out and leakage regardless of severity and duration of chemical exposure.

Many materials used for spray shields, like PTFE coated fiberglass, can be weakened by challenging industrial environments and often require monitoring. With the THOR-SHIELD TLFP Spray Shield, the body and drawstrings are all made of 100% PTFE. This ensures that the worker safety will not be jeopardized by degraded materials of a spray shield in the event of a spray out at a flange.

Since THOR-SHIELD TLFP Spray Shield will be unaffected by even the most corrosive chemical environments, chemical capability tables do not need to be referenced.



Made from non-porous 100% PTFE multi-directional TLFP Material.

The translucent material used in the THOR-SHIELD TLFP Spray Shield allows safe and easy detection of moisture leakage at a flange. If leakage does occur at the flange, the spray shield can be cleaned and reused without concern for weakening due to chemical attack.

THOR-SHIELD TLFP Spray Shields can be used in a pH range of 1-14 and a temperature range of - 340°F (-207°C) to 600°F (316°C). The versatility and cost-effectiveness of this type of spray shield allows it to be used in almost all industrial settings such as marine, offshore, pharmaceutical, chemical processing, FDA approved, cryogenic, and clean room applications.

### THOR-SHIELD TLFP FEATURES

- Zero porosity
- Unaffected by constant exposure to wet, chemical environments
- Rated for 600°F (316°C) constant exposure
- Unaffected by ultraviolet exposure
- Fire and tear resistant
- Translucent material allows leak detection
- Drawstring is all-PTFE cord
- Curl over inhibits side spray-out
- Reusable
- Available in many colors
- Many options, such as drain nipples, are available
- Custom sizes are available



#### REEF KNOT

Right over left and under, left over right and under.



Only a reef knot should be used as this will tighten under pressure.

### THOR-SHIELD Installation Instructions

1. Wrap the safety shield tightly around the flanges, valve or fitting.
2. Press the two parts of the velcro fastenings together to close the shield.
3. Pull the tie cords together tightly on each side, take one or two turns around the pipe and fasten over the pipe with a reef knot
4. Do not cut the tie cords but tuck them in between the flange and shield.

## THOR-SHIELD Optional Features



### Sensitive pH Indicating Patch

Immediately signals a leak and will change color to red in the presence of acid or green in the presence of alkali. The pH indicating patch is also replaceable which allows continued use of the spray shield.



### Clear PTFE Strip & Drain

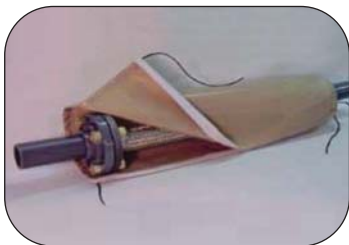
Clear PTFE strip in center allows for visual inspection of the expansion joint with a drain nipple attached to the bottom of the shield.

## Additional THOR-SHIELD Products



### Transfer Line Sleeves

- Quickly fits over the locking mechanism
- Is reusable
- Is UV resistant
- Are economical



### Hose Assembly Shields

- Available for any size and length
- pH indicating patch signals leaks
- Attached by velcro fasteners and drawstrings



### Pipe Vent Shields

- Designed to cover pipe vent outlets on safety relief valves & rupture discs
- Prevents rainwater & snow from entering the vent
- Keeps out birds, rodents & insects
- UV stabilized & chemical resistant
- Available for all pipe sizes

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ISIR Romania | CNCAN Romania | EN 13480-2002 | HAF 604 China | TSG China

## How To Order Series Thor-Shield TLFP Spray Shields

Model	Size	Flange Type
<b>TS</b>	<b>192</b>	<b>FL4</b>
Thor-Shield	12 inch (DN300)	PN16 Flange
<b>32 = 2 in (DN50)</b> <b>160 = 10 in (DN250)</b> <b>40 = 2.5 in (DN65)</b> <b>192 = 12 in (DN300)</b> <b>48 = 3 in (DN80)</b> <b>224 = 14 in (DN350)</b> <b>64 = 4 in (DN100)</b> <b>256 = 16 in (DN400)</b> <b>96 = 6 in (DN150)</b> <b>288 = 18 in (DN450)</b> <b>128 = 8 in (DN200)</b> <b>320 = 20 in (DN500)</b>		<b>FL1 = ANSI B16.5, CI 150</b> <b>FL2 = ANSI B16.5, CI 300</b> <b>FL3 = PN10</b> <b>FL4 = PN16</b> <b>FL5 = PN25</b> <b>FL6 = PN40</b>



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