SAIFEX INDUSTRIES

PRODUCT DATA SHEET

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FLANGE GUARDS

PTFE Flange Guards

PTFE Flange Guards — also known as flange spray shields, pipeline spray safety guards, or chemical flange protectors — are purpose-built protective sleeves manufactured by Saifex Industries from multiple layers of PTFE-coated fiberglass cloth, stitched together with Kevlar threads.



Technical Specifications (Typical)

Property	Value
Construction Material	PTFE-Coated Fiberglass Cloth (multi-layer) + Kevlar Threads
Coefficient of Friction	Low
Fire Retardant	Yes
UV & Chemical Resistance	Very High
Max. Temperature	240°C
Max. Pressure	1,650 PSI / 120 Bar
Joint / Connection Type	Flanges, Couplings, Elbows, Tees, and Unions
Leak Detection	Integrated litmus patch — included as standard
Fastening System	Quick-connect double-locking — tool-free fitting and removal
Pressure Diffusion	Central scrim — inbuilt spray pressure diffusing mechanism
Typical Applications	Oil, Fuel, Acids, Caustics, Corrosive Service Line Fluids

(Standard ANSI, DIN, and JIS flange sizes available. Custom dimensions on request.)

Key Features

- PTFE-coated fiberglass construction — chemically inert and resistant to virtually all industrial acids, caustics, solvents, and corrosive process fluids
- Kevlar-stitched multi-layer build — high mechanical strength and fatigue resistance under sustained pressure and plant vibration
- Central scrim — inbuilt pressure diffusion prevents dangerous spray jetting and improves flange grip
- Quick-connect double-locking fastening — tool-free installation and removal, designed for full PPE conditions
- Integrated litmus patch — early visual leak detection enabling proactive maintenance before spray escalation

Applications

- Oil and gas pipeline flanges — containment of hydrocarbon spray-out at pressurised joints in upstream, midstream, and downstream facilities
- Fuel service lines — spray containment at couplings and unions in refineries, fuel terminals, and storage facilities
- Acid and caustic process lines — chemical spray protection in chemical plants, water treatment, and desalination facilities
- Offshore platform pipework — spray safety compliance on high-pressure marine process systems exposed to salt air and UV
- Petrochemical and refining plant process lines — protection across aggressive multi-fluid, high-temperature service environments

Important Notes

1. Saifex Industries reserves the right to change product design and specifications without prior notice.
2. Product data may be updated to reflect product updates, new or revised manufacturing standards, or changes in manufacturing.
3. Images and diagrams are for illustration only and may show non-standard configurations.
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5. Values shown are typical, for guidance only, and do not form a specification. Mill Test Certificates (MTC) available on request.

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