SYSTEM CERTIFICATION ISO 9001 SGS No. 08190322KTN.UU45

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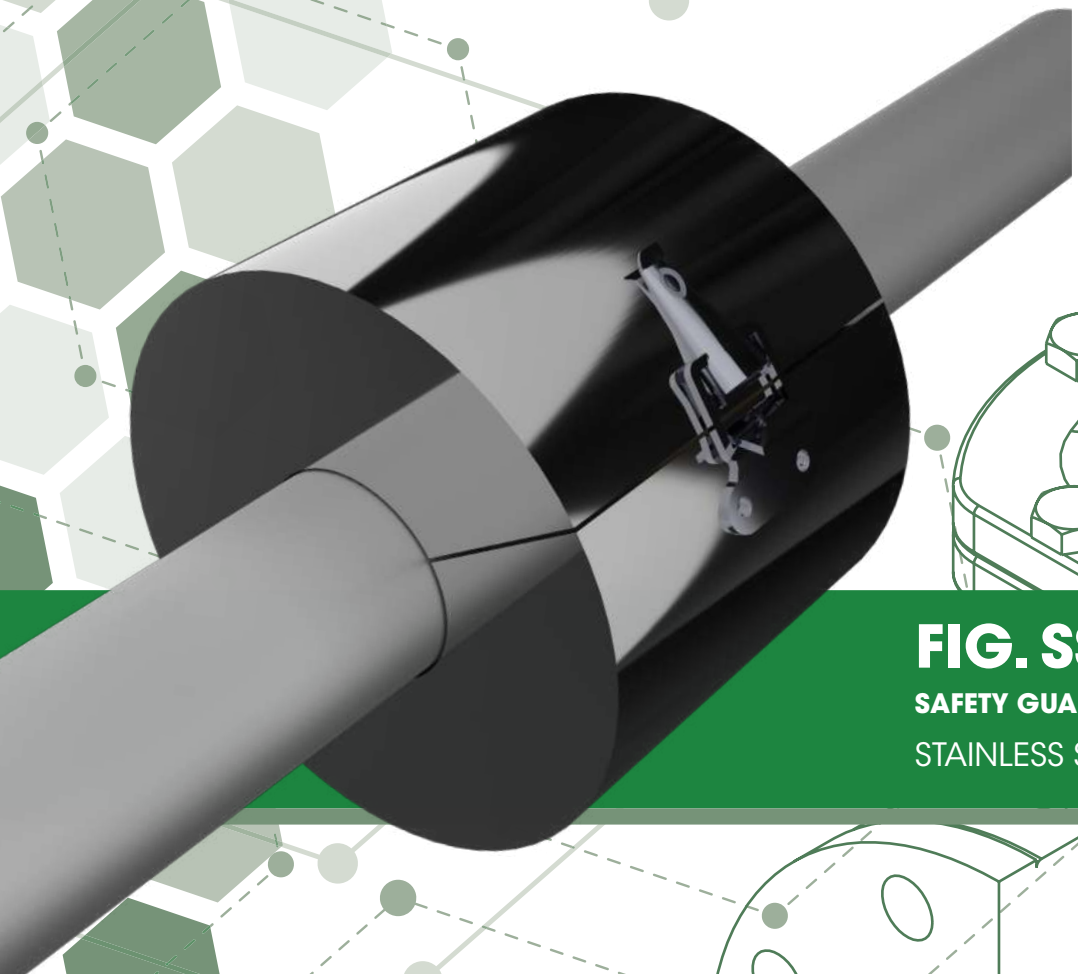


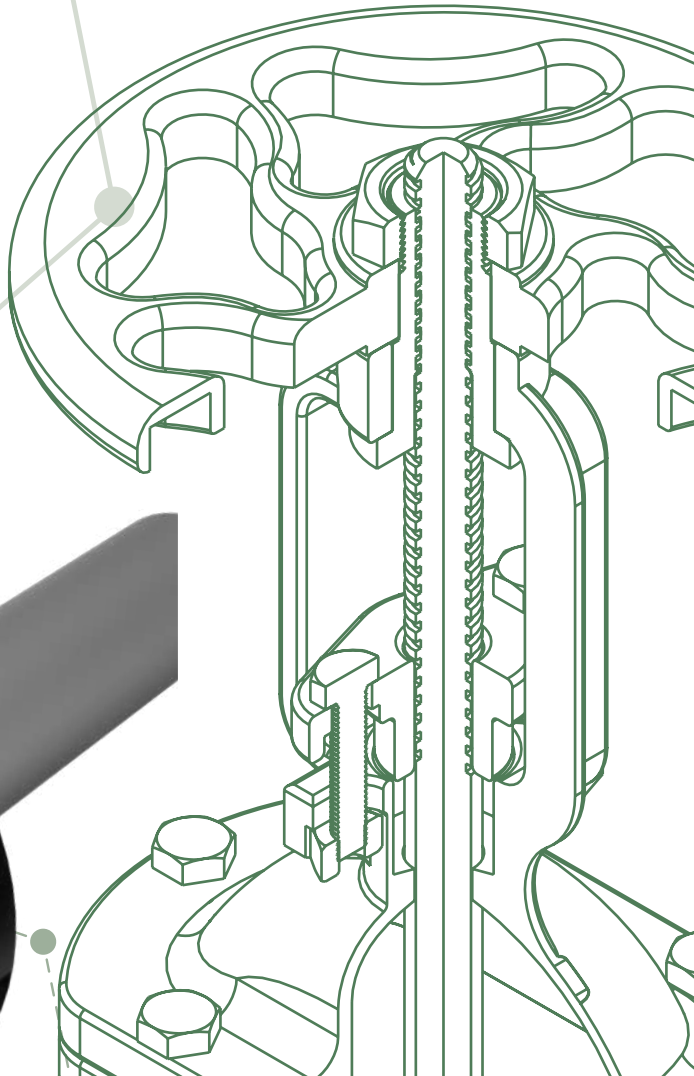
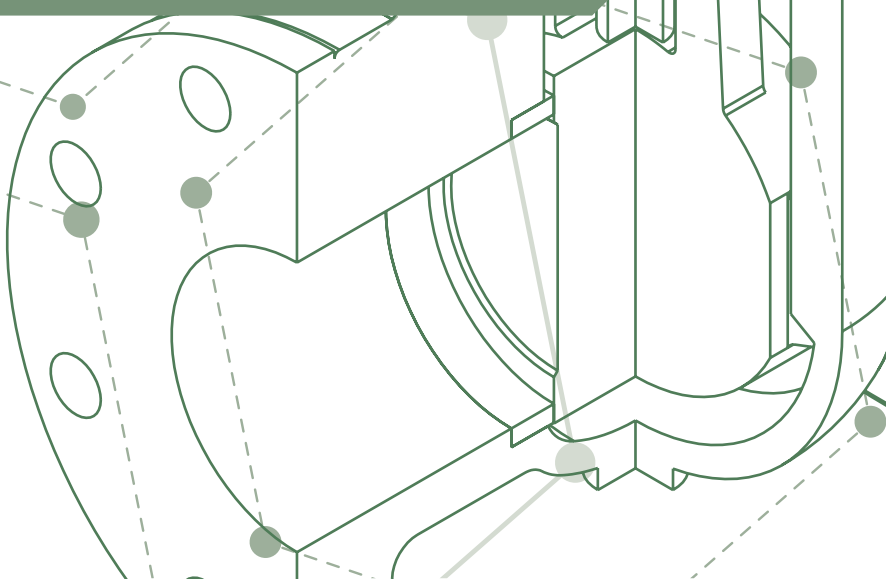


FIG. SS

SAFETY GUARDS FOR VALVES

STAINLESS STEEL



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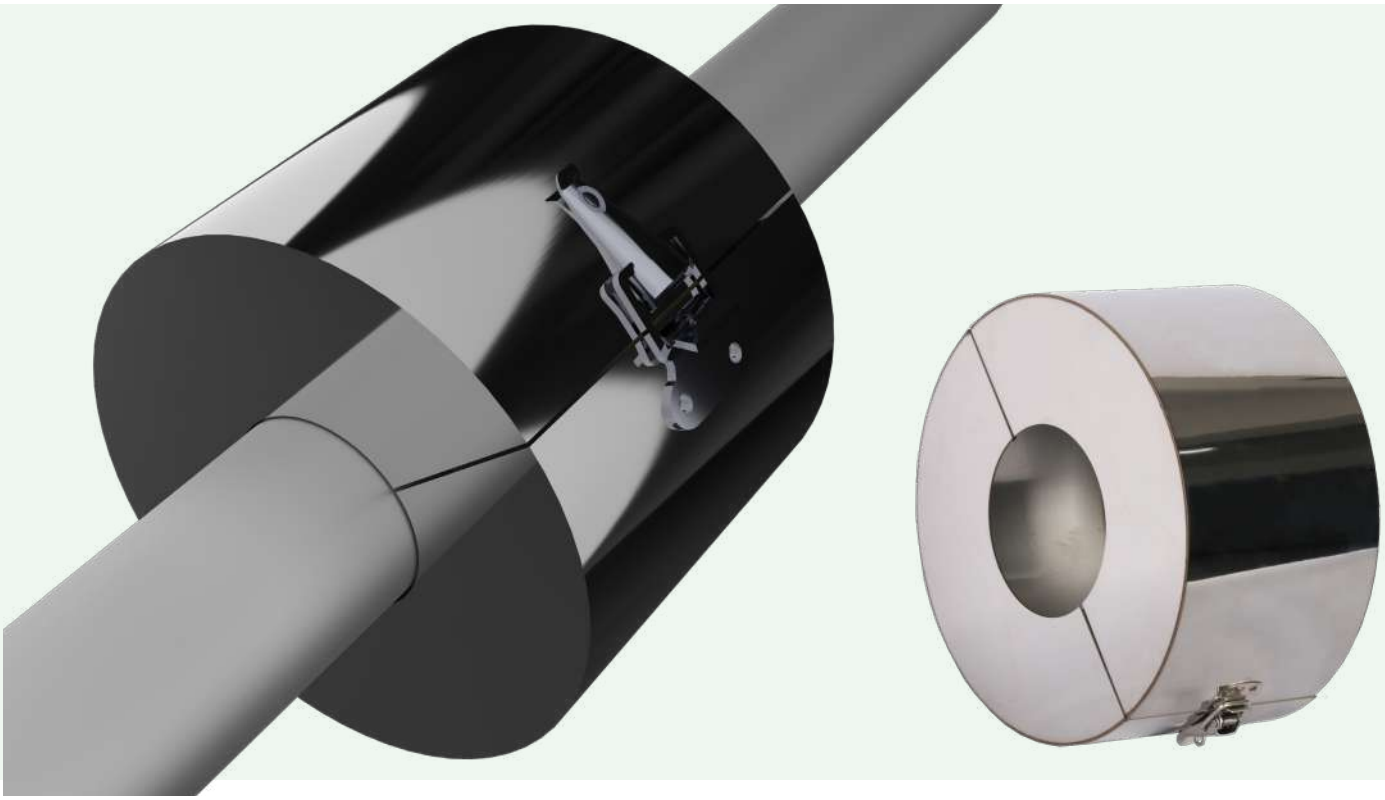
HIGH TEMPERATURE RESISTANCE / SUPERIOR CHEMICAL DURABILITY / HIGH PRESSURE CONTAINMENT

STAINLESS STEEL FLANGE GUARD FLANGE GUARDS:



GENERAL SPECIFICATIONS	
MATERIAL	304 SS
FASTENER	304 SS
MAX PRESSURE	2000 N
TEMPERATURE RANGE	-50° C ~ +500 ° C
FLANGE RATINGS	ANSI / DIN / many others
PIPE SIZES	15mm to 1200mm
TYPICAL APPLICATIONS:	Steam / Oil / LNG / Hydrogen

Stainless Steel Flange Guard – Engineered Containment Solution for Critical Piping Systems

Stainless steel spray shields for flanges are specifically designed to **provide temporary and controlled containment of hazardous fluid** leaks, including corrosive chemicals, flammable hydrocarbons, superheated steam, and high-pressure or high-temperature liquids. These devices are essential for mitigating risk in **pressurized piping systems, where system integrity is critical to operational safety,** environmental protection, and personnel security.

Superior Chemical Resistance: AISI 304SS offers excellent corrosion resistance in aggressive environments, including diluted hydrochloric acid, alkalis, saline solutions, and oxidizing agents.

High Thermal Tolerance: Operates reliably in continuous service from -50°C to +500°C without loss of critical structural properties. Ideal for thermal processes, superheated steam, or systems with thermal cycling.

Mechanical Strength: Typical yield strength of 170–310 MPa and tensile strength of 485–620 MPa, ensuring structural integrity under vibration, pulsating pressure, and dynamic loads.

HIGH TEMPERATURE RESISTANCE / SUPERIOR CHEMICAL DURABILITY / HIGH PRESSURE CONTAINMENT

Leak Detection and Safety Features

Each unit is equipped with a visual pH indicator patch, providing immediate passive detection of accidental leaks. The patch changes color instantly—red for acids, green for alkalis—enabling rapid response without the need for electronic instrumentation.

Compliance and Regulatory Compatibility

Engineered to meet or exceed industrial safety standards set by leading regulatory agencies, including:

- OSHA (Occupational Safety and Health Administration)
- EPA (Environmental Protection Agency)
- MSHA (Mine Safety and Health Administration)
- SOLAS (Safety of Life at Sea)
- ABS (American Bureau of Shipping)
- DNV (Det Norske Veritas)

These solutions are widely recognized—and in some cases required—by industrial insurers for their proven role in reducing incident rates and minimizing exposure to operational risk.

Installation and Maintenance

The fastening design allows for quick installation by a single operator without the need for special tools, significantly reducing downtime during scheduled maintenance or emergency shutdowns.