

Metal Safety Spray Shields for Flanges & Valves

Prevent Hazardous Leaks and Sprays

Style I

- New, simple and effective, patent-pending design.
- Lockable, adjustable, quick latch fastener.
- No tools required, installs in seconds.
- Allows for complete visibility of bolt ends and nuts.
- No sharp edges.
- Minimal space requirements.
- Stainless steel netting absorbs and dissipates pressurized sprays by distributing it around the flange circumference.
- Locking feature allows integration for lockout/tag out procedures and record keeping.
- Optional safety pin available.
- Constructed of 316 stainless steel.
- Available for all size and ratings of flanges, including square and oval shaped flanges.
- Available in widths of 2" and 2 ¾".
- Maximum operating temperature of 1093°C.
- Suitable for hazardous processes of high temperatures, high pressures, steam, chemicals, and flammables for fire prevention.



Style II

- Recognized, well-known industry design.
- Overlapping, slotted side edges prevent lateral sprays.
- Spacer rods ensure pressure reduction & fluid distribution through flow space.
- Fabricated of 24 gauge, 316 stainless steel.
- Hose clamp style fastener assures securing.
- Maximum operating temperature of 1093°C.
- Recommended for high temperatures, high pressures, steam, chemicals, and flammables for fire prevention.
- Style II 's wider design & overlapping edges are suitable for valves, fittings, and custom fit applications.
- Two hose clamps per Shield ensure complete securing.



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Style II Valve Shields available for:

- Ball Valves
- Butterfly valves
- Plug Valves
- Check Valves
- Gate Valve Bonnets
- Globe Valve Bonnets



**“Style II” with optional
drain nipple**



Style II Options

- Optional anti-spray screen liner reduces splashing.
- Optional gasket liners.
- Optional drain nipple benefits:
- Drain port for visual inspection.
- Vent port for complete air circulation.
- Connection point for spill recovery and secondary containment related purposes.

SS Flange Shields-Style I



- New, simple & effective patented design.
- 316 SS construction.
- Allows for complete visibility of bolt ends and nuts.
- No sharp edges, re-usable.
- Available in widths of 2" and 2 ¾".
- Max temp. 2000°F/1093°C.
- Min. temp -383°F/-195°C.
- Max deflective pressure 3000 psi.
- Excellent for high temperatures, high pressures, aggressive chemicals, & flammables for fire prevention.
- Suitable for cryogenic service-LNG.

Style I - Design Features



- Layers of stainless netting absorbs and dissipates pressurized spray.
- No tools required, installs quickly via adjustable clamp.
- Lockable, adjustable, quick-latch fastener clamp.
- Locking feature accepts safety pin or lockout/tagout devices.
- SS safety pin for secondary locking:
 - Vibration purposes
 - Construction areas
 - Final inspection.

Style I – Locking Feature



- Accepts lockout/tagout tags to incorporate with plant lockout/tagout procedures and standards.
- Accepts tags for recordkeeping – installation date, inspection date, etc.

Photo of Actual Spray

- Here is a picture of a pressurized spray. A worker within 10 feet of the flange would get sprayed.
- What if this spray was acid, caustic or a flammable liquid?



Photo of Shield in Action



- Picture of same actual pressurized spray, yet under control with Spray Shield.
- Notice how pressure is minimized and fluid simply drips down.

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