

Product Spotlight - Spray Shields

In certain applications, the concern over valves and flanges is not necessarily over heat, but rather from the potential leak of chemicals or fluids under high pressure. As such, many industrial settings call for spray shields to be wrapped around potential problem areas, to protect personnel and the surrounding environment in the event of a spray out at a valve or flange.

"We already produce removable insulation blankets to wrap flanges and valves where heat containment is an issue ", said Paul Herman, Firwin's president. "Some of our customers operate in environments where leak containment is also a concern. As such, when we decided to offer a line of spray shields as well, we wanted to ensure that they would surpass other spray shields already available on the market."



Firwin's spray shields are made using a non-porous, all-PTFE material. "Many materials are used for spray shields", noted Paul. "Some, like PTFE coated fiberglass, can be weakened by challenging industrial environments, and often require monitoring. With our spray shield, the body and drawstring are both made of 100% PTFE. This ensures that worker safety will not be jeopardized by degraded spray shield materials in the event of a spray-out at a flange", added Paul.

The translucent material allows for easy detection of moisture leakage. Since the spray shields are unaffected by corrosive chemical environments, chemical compatibility tables do not need to be referenced. In the event of a leakage at the flange, the spray shield can be cleaned and re-used without concern for weakening of the material.

Firwin spray shields have a pH range of 1 - 14, and a temperature range of -73°C (-100°F) to 288°C (550°F). They can be used in a wide range of industrial settings, including marine, offshore, pharmaceutical, chemical processing, and cryogenic applications.

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