

WASHDOWN PROOF ESTOP

THE PROBLEM

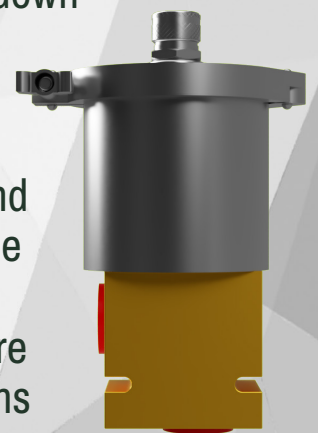
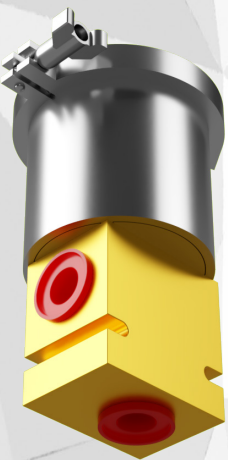
Safety hydraulic valves have to be normally closed by their nature. They HAVE to be energized for hydraulic oil to flow during production, so these valve coils can be energized 16 hours a day or more. And if a safety shutdown occurs during the production process, the valve is de-energized to block the fluid flow. When any washdown process occurs during the day or during the normal sanitation time frame, water of any temperature will typically hit this coil, which may operate at temperatures up to 240° F. Historically, these coils are epoxy encapsulated, and the epoxy could not tolerate the thermal shock, causing minute cracks which allowed the water to get into the windings and destroy the coil in a short time. Higher temperature epoxy compounds were developed, but there is still a safety issue with contact burns when operating at these high surface temperatures.



THE HSI SOLUTION

Our two position normally-closed hydraulic safety washdown valve is rated up to 3000 psi and 60 gpm for hydraulic oil or water glycol. It will withstand direct washdown spray and the coil has been tested to temperatures up to 284° F. This valve can be continuously energized and will normally operate at temperatures > 200° F. Because of the stainless steel enclosure, direct washdown water cannot contact this hot coil, which could cause premature failure. The enclosure will also prevent any contact burns from skin coming into direct contact with the coil.

It is available with a 24 VDC or a 115 VAC coil. Two flow rates are available, 35 and 60 gpm.



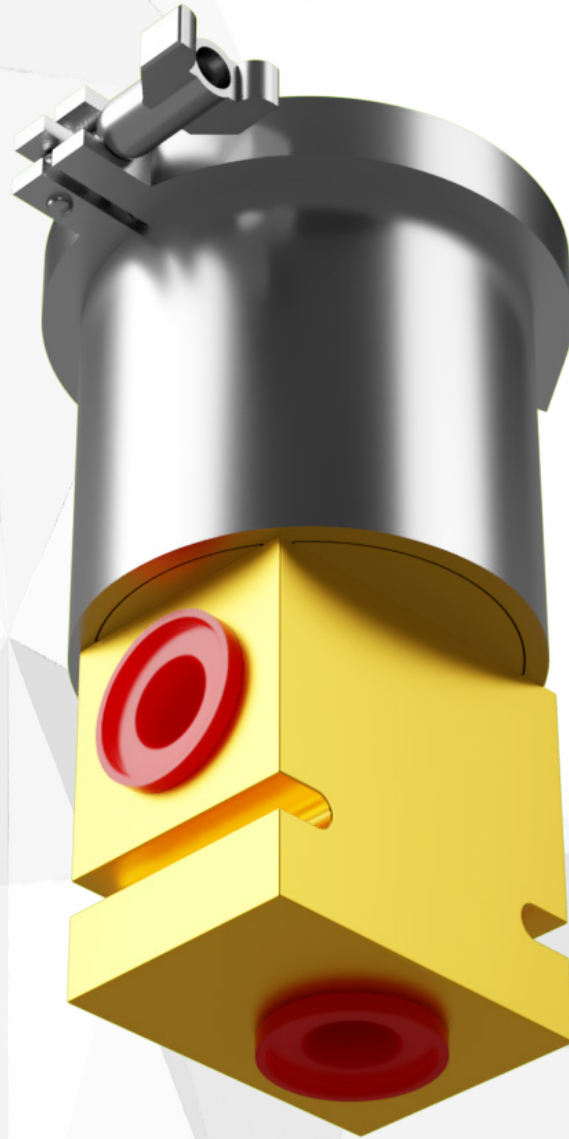
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HSI PRODUCT OFFERINGS

Stainless Enclosure, 35 gpm with -12 SAE O-ring boss ports:

P/N: WSV-35-024-SS 24 VDC coil voltage
WSV-35-115-SS 115 VAC coil voltage

Stainless Enclosure, 60 gpm with -16 SAE O-ring boss ports:

P/N: WSV-60-024-SS 24 VDC coil voltage
WSV-60-115-SS 115 VAC coil voltage

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