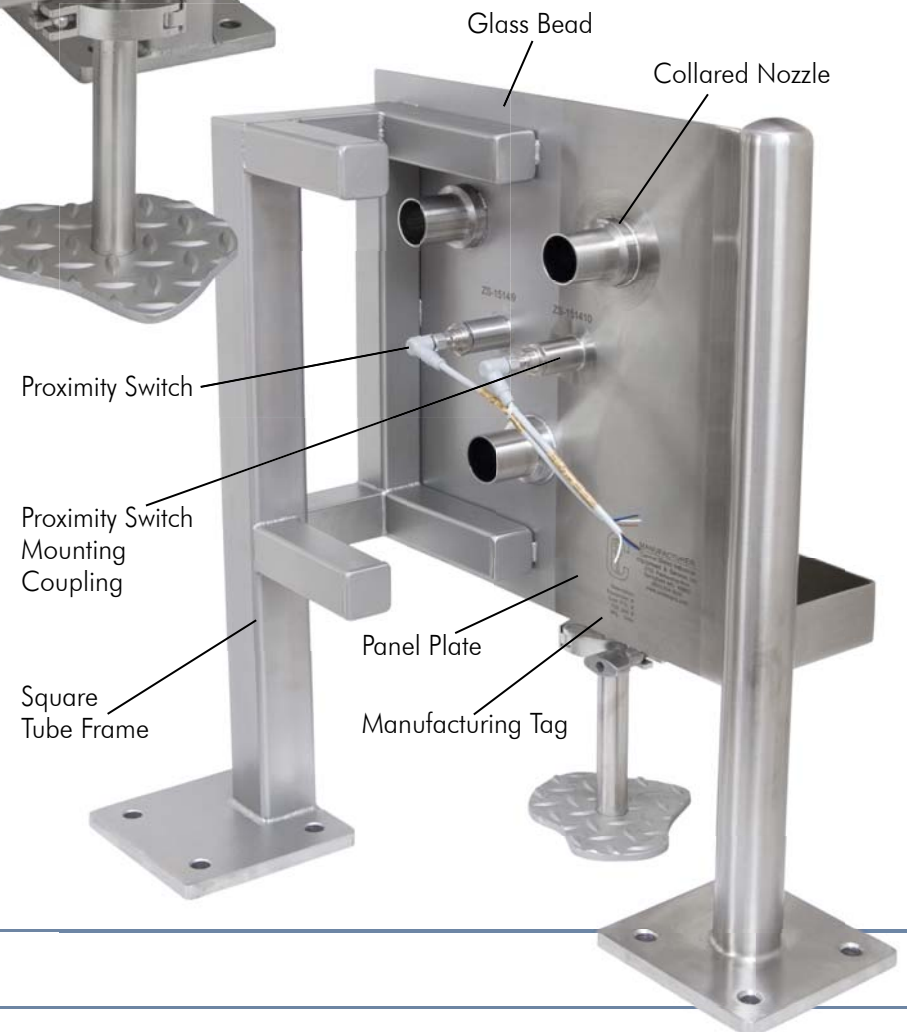
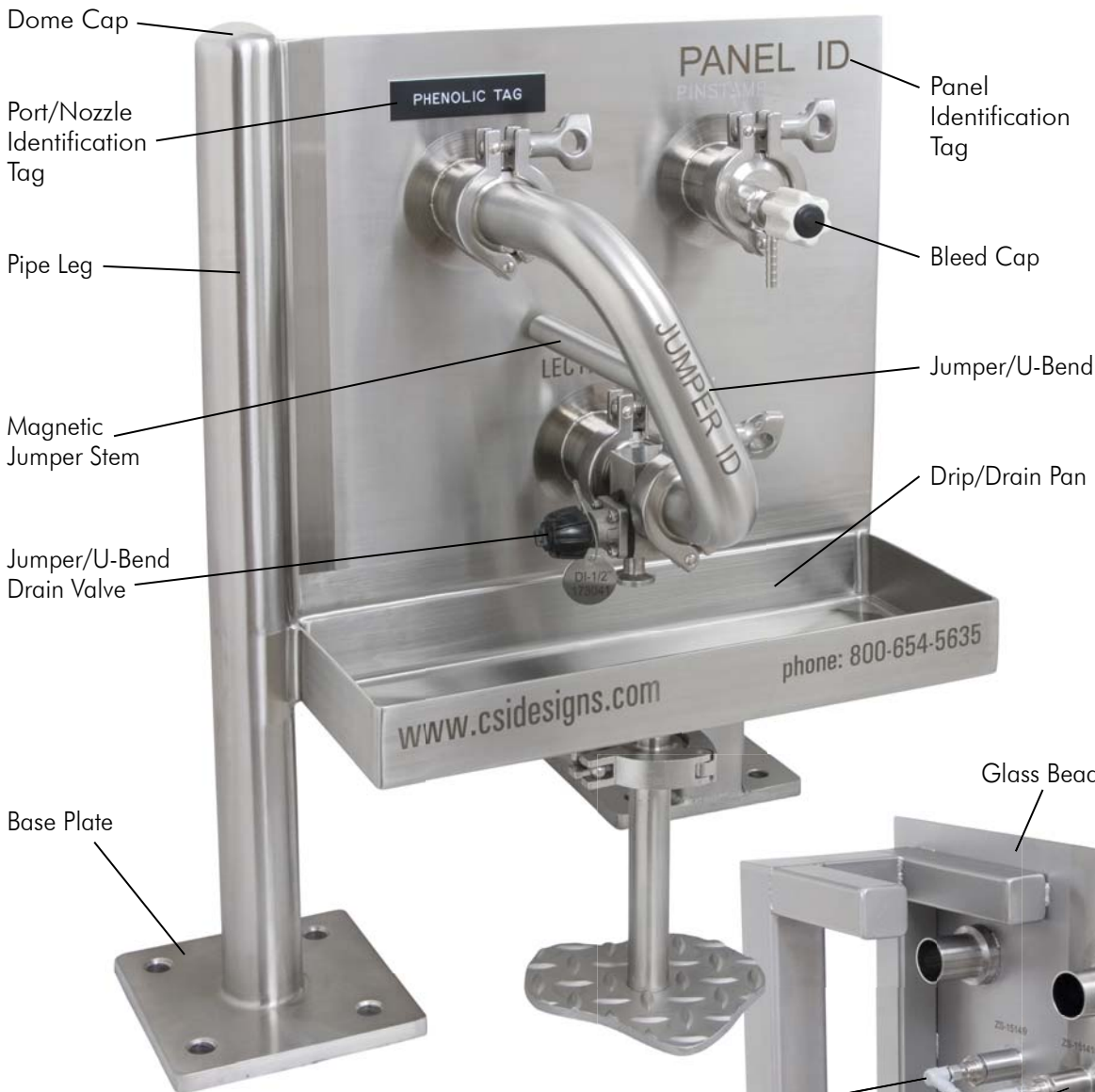


CSI TRANSFER PANELS



TRANSFER PANELS are used to transfer process fluids through multiple process lines within a piping system. A transfer panel jumper, or u-bend, provides a clean break between different process fluid transfers without cross contamination.



FEATURES

BENEFITS

Dome Cap	Eliminates a flat edge, preventing fluid and soil buildup.
Port/Nozzle Identification Tag	Identifies the particular service associated with each panel nozzle. Common types of port tags include: Phenolic, Lectroetch and Pin Stamp.
Pipe Leg	Polished pipe is continuously fillet welded to both sides of the panel to provide extra rigidity to the panel structure. These welds are fully ground and polished to provide a hygienic finish.
Magnetic Jumper Stem	Fully enclosed design seals the magnet inside the proximity stem. This prevents the ferrous material within a magnet from contaminating a clean room environment.
Jumper/U-Bend Drain Valve	Drains process fluid, bleeds line pressure or relieves vacuum from the panel piping after completing the transfer process. Can also be used as a product sample point at the front side of the panel without removing jumper assembly. Multiple options and configurations are available.
Base Plate	Anchors the panel to the floor – 1/2" thick for extra structural rigidity, continuously fillet welded to pipe legs and fully ground and polished to provide a hygienic finish.
Panel Identification Tag	Identifies the transfer panel assembly.
Bleed Cap	Enables the operator to bleed off line pressure or drain fluid from the nozzle before removing the port cap, which provides an additional safety precaution. Multiple options and configurations are available (concentric, eccentric, straight drain, 90 degree drain, etc.).
Jumper/U-Bend	Connects to panel nozzles and enables product to be transferred from one nozzle to another.
Drip/Drain Pan	Collects process fluids that may spill during panel operations. Constructed from 12 gauge stainless steel and continuously fillet welded to the front side of the panel for extra rigidity. These welds are fully ground and polished to provide a hygienic finish.
Glass Bead	Generally supplied on the back side of a transfer panel in the grey space/utility area. This finish removes weld discoloration and creates a uniform satin finish for surface aesthetics.
Collared Nozzle (Patented Design)	Protects internal surface finish while the nozzle is seal welded to the panel. This hygienic seal weld eliminates cracks, crevices and the possibility of product entrapment.
Proximity Switch	Provides an electronic signal to the control system, indicating the ports connected by the jumper/u-bend. Magnetic proximity switches eliminate unnecessary panel penetrations, which would otherwise contribute to entrapment and/or sterility concerns. CSI's standard magnetic proximity switch is ifm efector MGT200. The features of this switch are a stainless steel cylindrical housing, UL and CE compliance, 360° LED status indication, and a micro quick-connect for ease of maintenance.
Proximity Switch Mounting Coupling	Welded to the backside of the panel. Mounting couplings are engineered to conceal proximity switch threads, thus providing a hygienic design.
Square Tube Frame	Distributes the weight of a wall-mounted panel to the floor. The frame structure is stitch welded to the panel to minimize possible plate deflection caused by the welding process.
Panel Plate	1/4" thick plate is standard, which provides structural rigidity to uphold the required ferrule face flatness tolerances on all panel nozzles.
Manufacturing Tag	Identifies the transfer panel, customer purchase order, shop job number, and date of manufacture.

DOCUMENTATION

CSI PROVIDES A STATE OF THE ART DOCUMENTATION PACKAGE

We provide a documentation binder with a table of contents and tabbed sections to aid in locating the required information. The binder includes:

- As-Built drawings
- Weld logs
- Material inspection reports
- Material test reports
- Welder certifications and test requirements
- Additional items for complete validation of transfer panels into the process piping system

In addition to the binder, weld coupons are provided with the package.

Video recordings of boroscope inspections and electronic copies of the turnover package can also be provided upon request.



MEASUREMENT EQUIPMENT



VIDEO BOROSCOPE



FLOW TRANSFER PANELS

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