TRANSFER PANELS FOOD. DAIRY. BEVERAGE. PERSONAL CARE.



ELIMINATE CROSS-CONTAMINATION OF PRODUCT AND CLEANING FLUIDS

CSI transfer panels are built to address your process flow requirements with multiple panel configurations. The effectiveness of CSI's design is attributed to the patented spool and fabrication process.

The patented spools are proven to provide a secure, clean, and effective method for directing fluid flow during production or cleaning.

Unlike other transfer panels, a CSI panel is fabricated with such accuracy ensuring a consistent fit for jumper replacement.

MATERIALS

- 304L and 316L stainless steel
- AL-6XN[®] and Hastelloy[®] C-22[®] Super Alloys[™]

APPLICATIONS

- Finished or raw products
- Bulk ingredients
- CIP routing
- Food, dairy, and beverage industries
- Personal care industries
- Breweries



TRANSFER PERSONAL CARE.

SPECIFICATIONS AT A GLANCE

- 1 **Dome cap** prevents fluid and soil buildup on pipe legs.
- **2 Panel tagging** displays the customer-specified unique identifier.
- **3 Port/nozzle tagging** identifies the service associated with each panel nozzle via Lectroetch (as pictured) or Phenolic port tags.
- Jumper/U-bend enables product to be transferred from one nozzle to another.
- **5** Jumper stem establishes a presence that activates a shielded proximity switch.
- 6 Panel plate (1/4" thick) provides structural rigidity to uphold required ferrule face flatness tolerances on all panel nozzles.
- Plate brake incorporates additional structural rigidity into larger panel plates. The angled brake eliminates a flat surface.
- 8 **Pipe leg** without base plate is core-drill ready.
- 9 Nozzle is continuously welded to the panel. This autogenous, hygienic weld eliminates cracks, crevices, and the possibility of product entrapment.
- Drain valve (optional) provides operator with the ability to safety relieve pressure from the system before removing a jumper. It also allows the safe and controlled draining of a process before jumper removal.
- Drain/drip pan (optional) catches dripping product or cleaning chemicals to be routed to a desired location — protecting the floor where the operator stands.
- Proximity switch provides an electronic signal to the control system, indicating the ports connected by the jumper/U-bend.

Our standard shielded inductive proximity switch features a short stainless steel cylindrical housing, extended sensing range, UL and CE compliance, 360° LED status indication, and a micro quick-connect for ease of maintenance.

The optional magnetic proximity switch eliminates panel penetrations which cause entrapment and/or sterility concerns.

- **Base plate (optional)** anchors panel to the floor. It is 1/2" thick for extra structural rigidity and is continuously fillet welded to legs which provides a hygienic finish.
- Accessory basket with screen floor for drainage provides a place for operator to temporarily store caps, clamps, and gaskets that are not in use.





- Pre-piping can be added to the back of the panel. Piping, manifolds, valves, and instrumentation are added into one packaged unit which minimizes the number of field-welded connections.
- Termination panel can be locally mounted for electrical.
- Finishes are available in a wide variety including polished material, buffed weld, and glass bead blasted.
- Ask about documentation options.

MOUNTING OPTIONS

- Support legs (pipe or square tube)
- Weld tabs (standard for easy welding in place)
- Flush wall mounts
- Recessed wall mounts
- No mounting



71-PORT TRANSFER PANEL

A brewery in Phoenix was looking to send large quantities of water to different areas of their building.

We fabricated this 71-port transfer panel to safely and efficiently direct the fluid. Each port features 4-inch butterfly valves connecting to 4 and 6 inch headers on the back. Our welders carefully crafted the panel to ensure a predictable center-to-center dimension between all 71 ports.

The finished panel stands over 6 feet tall, features 15 jumpers, and allows the brewery to easily transport hundreds of gallons of water throughout their facility every day.



STANDARD CONFIGURATIONS

PORT LAYOUT	FIG	SIZE 1-1/2			SIZE 2			SIZE 2-1/2			SIZE 3			SIZE 4		
		А	В	CL	А	В	CL	Α	В	CL	А	В	CL	Α	В	CL
2 Port Vertical	1	6	12	4-1/2	6	12	6	8	16	7-1/2	8	16	9	7	19	12
2 Port Horizontal	-	12	6	4-1/2	12	6	6	16	8	7-1/2	16	8	9	19	7	12
3 Port Triangle Down	2	12	12	4-1/2	12	12	6	16	16	7-1/2	16	16	9	19	19	12
3 Port Triangle Up	-	12	12	4-1/2	12	12	6	16	16	7-1/2	16	16	9	19	19	12
4 Port 3 Around 1	3	12	12	4-1/2	16	12	6	16	16	7-1/2	20	16	9	24	19	12
4 Port Square	4	12	12	4-1/2	12	12	6	16	16	7-1/2	16	16	9	19	19	12
4 Port Diamond	5	12	12	4-1/2	12	16	6	16	20	7-1/2	20	24	9	19	28	12
5 Port 4 Around 1	6	12	12	4-1/2	16	16	6	20	20	7-1/2	24	24	9	24	24	12
5 Port 4 Arc Around 1	0	12	10	4-1/2	18	10	6	22	16	7-1/2	24	16	9	32	21	12
6 Port Horizontal	-	14	10	4-1/2	18	12	6	22	14	7-1/2	26	16	9	31	19	12
6 Port Vertical	8	10	14	4-1/2	12	18	6	14	22	7-1/2	16	26	9	19	31	12
6 Port 5 Around 1	9	12	12	4-1/2	18	16	6	20	22	7-1/2	24	24	9	32	31	12
6 Port 5 Arc Around 1	10	12	10	4-1/2	18	12	6	22	16	7-1/2	24	18	9	32	25	12
7 Port 6 Around 1	1	12	12	4-1/2	16	16	6	20	20	7-1/2	24	24	9	28	31	12
8 Port Horizontal	12	20	10	4-1/2	24	12	6	28	14	7-1/2	34	16	9	43	19	12
9 Port 8 Around 1	13	12	12	4-1/2	16	16	6	20	20	7-1/2	24	24	9	31	31	12

ALL DIMENSIONS ARE SHOWN IN INCHES. CUSTOM LAYOUTS ARE AVAILABLE. IF TAGGING IS REQUIRED, PANEL SIZE WILL BE LARGER TO ALLOW SPACE FOR TAGGING OR ETCHING.

PANELS WITH A "B" DIMENSION OF 20" OR MORE WILL HAVE THREE WELD TABS PER SIDE. PANELS WITH AN "A" DIMENSION OF 32" OR MORE WILL BE BROKEN ALONG THE TOP AND, POSSIBLY, BOTTOM SIDES.





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