



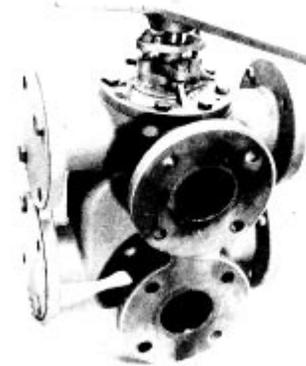
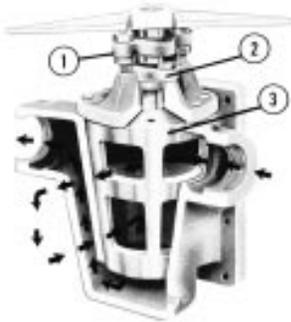
# KRAISSL TRANSFER VALVES

## MODEL 72ABF(S)(S) SERIES CAST IRON, CARBON STEEL OR STAINLESS STEEL

### THREADED NPT OR SOCKET WELD PORTS

### PRESSURE RANGE 200 TO 275 PSIG & HIGHER

U.S. Patent No. 3,567,181



### FEATURES

- 1 - Adjustable locking flange establishes valve clearance.
- 2 - Independent gland adjustment for external packing access.
- 3 - Tapered, all-metal valve plug for durability & renewability.
- 4 - Continuous flow without changeover interruption.
- 5 - Drain connection on valve chamber .
- 6 - Units individually tested.
- 7 - Handle indicates side in use.
- 8 - Optional gage taps.
- 9 - Optional lifting jack.
- 10 - Optional valve plug coatings.

### OTHER PRODUCTS

Our product lines of cast iron, bronze, aluminum, steel and stainless steel simplex and duplex strainers and filters, including flanged, NPT and weld-end models are covered in separate bulletins. Units can also be furnished in other special metals and higher pressure and temperature ratings.

### PURPOSE

Kraissl Transfer Valves are used to "parallel" or duplex two pieces of pipeline equipment in continuous flow without shut off of either one. Examples include duplexing of two heat exchangers, filters or tanks. These rugged units are time tested for many years in a wide variety of fluid applications, including lubrication oil systems built in accordance with the A.P.I. 614 specification.

### APPLICATION

Transfer valves with flanged ports are available in 1 1/2 through 3 inch sizes in various pressure ratings. They provide a simple, cost effective way to duplex flow equipment for applications where continuous flow must be maintained, **with no flow interruption** for down-side servicing.

### DESIGN SPECIFICATIONS

Model 72ABF(S)(S) series transfer valves provide a consistent design for many sizes and pressure ratings with "same-side" orientation of the single inlet and outlet ports. Other models with "straight-through" inlet and outlet ports on opposite sides are also available. These transfer valves are furnished in both standard and high pressure models. Flanged models are also available. Internal channels are 100% full-flow, having the same cross-sectional area as the equivalent pipe size.

Materials of construction include cast iron, carbon steel or stainless steel bodies and covers. Valve plugs are of cast iron, bronze or stainless steel. Special valve plugs can be furnished in other materials.

The valve handle guard indicates the side in use. The standard valve handle swings over the inlet port. Special reverse valve handles that swing over the opposite side can also be furnished. The adjustable locking flange holds the valve plug on its seat on standard models. An optional lifting jack can also be provided to lift the tapered valve plug off its seat for ease in valve turning in rough service. There are no internal linkages involved. A separate external gland is provided to allow easy access to stem packing without complete disassembly, even while in service. A drain plug is provided in the valve chamber.

Each valve is tested and serial numbered for accountability and traceability. The test results are provided with each valve. Special tests can also be arranged when specified.

### ADJUSTABLE, TAPERED VALVE PLUG

The tapered valve plug design provides inherent compensation for wear, temperature changes and other operating variations. Metal to metal contact of sealing surfaces prolong the life of the valve, even in rough service. No special seals or seats are necessary to restore Kraissl valves to their original condition. Optional surface treatments can be furnished on valve plugs to extend life and improve sealing characteristics. These include our special "Shure-tite™" rubberized valve plug for positive shut-off seal with easy operation.

A2368 (9703)

# KRAISSL TRANSFER VALVES

## MODEL 72ABF(S) SERIES SIZES, RATINGS AND DIMENSIONS

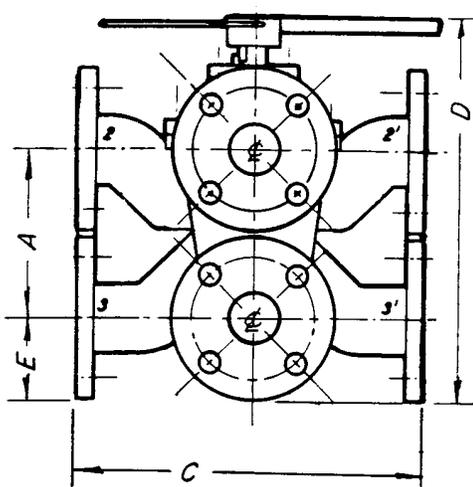
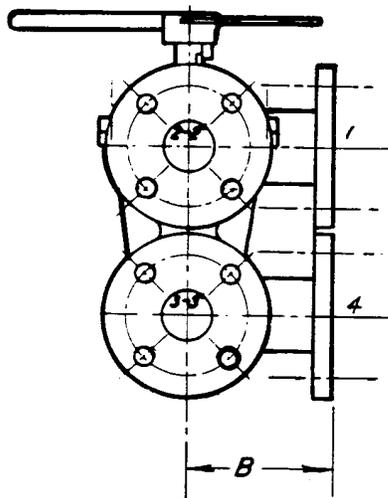
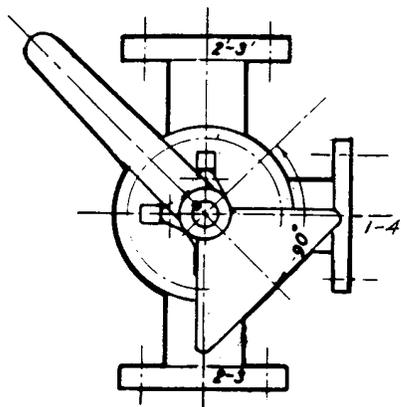
MAX. WORKING PRESSURE - 200 psig Cast Iron, 275 psig Cast Steel

### DESIGNED FOR CONTINUOUS FLOW.

PORT INTERCONNECTIONS -  
IN POSITION SHOWN - 1 & 2, 3 & 4.  
IN OTHER POSITION - 1 & 2', 3' & 4.

PORT FLANGES MATE WITH - C.I. ANSI B16.1 CL 125  
C.S. ANSI B16.5 CL150

Optional reverse handle shown.  
Standard handle swings over Ports 1-4.



MODEL NO.*	PIPE SIZE	A	B***	C***	D**	E
72-37ABF(S)	1 1/2"	6 3/8	4 7/16	10	14 1/2	2 1/2
72-39ABF(S)	2"	6 3/4	5 3/4	12	17	3
72-43ABF(S)	3"	7 3/4	5 5/8	14	18 3/4	3 3/4
72-47ABF(S)	4"	10 1/4	6 5/8	21	21 5/8	4 1/2

Dimensions in inches subject to casting & assembly variations.

\* Suffix letter "S" denotes Cast Steel (ASTM A216 WCB). "SS304" Cast 304 SS (ASTMA351-CF8). "SS316" Cast 316 SS (ASTM351-CF8M) housing & cover.

\*\* Add 1 1/2" if furnished with optional lifting jack (See drawing B3522).

\*\*\* Tolerance +1/8 -0.



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