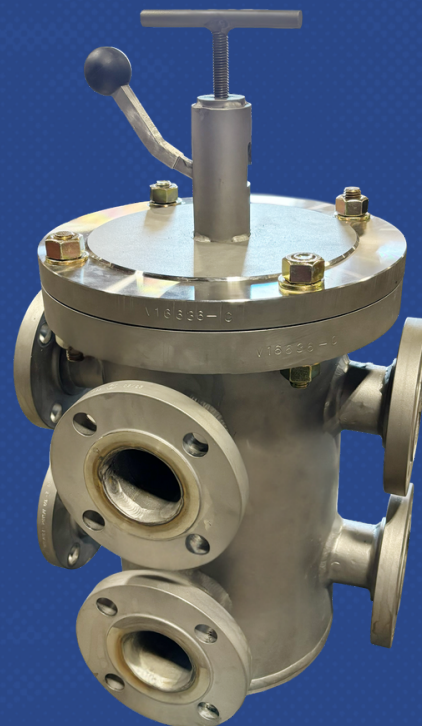


TRANSFER VALVES

6-WAY ■ 3-WAY

- Zero process interruption during vessel switchover
- Leak-free shut-off
- Long, low-maintenance service life

Multi-port valve that directs fluid flow between multiple pipes using a single actuated device. Consolidates multiple valves into one unit, reducing connections, saving space, and ensuring only one flow path is active at a time to eliminate the risk of cross-flow.



PRODUCT OVERVIEW

INLET/OUTLET	1-1/2" to 6" Flange
RATINGS	ASME Class 150, ASME Class 300
DESIGN PRESSURE	Up to 630 PSI @ 400°F (204°C)
AVAILABLE MATERIALS	Carbon Steel, Stainless Steel 304, Stainless Steel 316
ADDITIONAL FEATURES	Stainless Steel Internals for High Reliability, Leak-free Sealing Pads

APPLICATIONS

- Duplex Filtration Systems
- Duplex Heat exchangers
- Lube oil systems
- Compressors and Gearboxes
- Oil & Gas Refineries
- Pulp & Paper Mills
- Marine & Power Generation

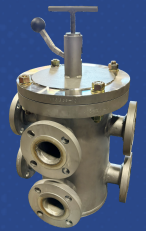
Application Support

Fil-Trek helps match replacement elements or design new systems with balanced media, housing, and application support. Contact us for more information.

TRANSFER VALVE

6-WAY ■ 3-WAY

- Zero process interruption during vessel switchover
- Leak-free shut-off
- Long, low-maintenance service life



PRODUCT SPECIFICATIONS

Inlet/Outlet	Standard Class 150 or 300 ASME B16.5 Flange	Materials	Carbon Steel, Stainless 304, Stainless 316
Equalizing Line	3/8"	Seals	Viton (400°F), Buna (225°F)
Closure	Thru bolt closure, Thru bolts B7 CSYZP	Certifications	ASME Section VIII, Div. I (U/UM), CE, NB, CRN

HOW IT WORKS

Transfer valves manage uninterrupted fluid flow across duplex filtration and process systems. Using dual sealing pads, the valve shifts system flow from one active vessel to an alternate standby vessel without stopping the line.

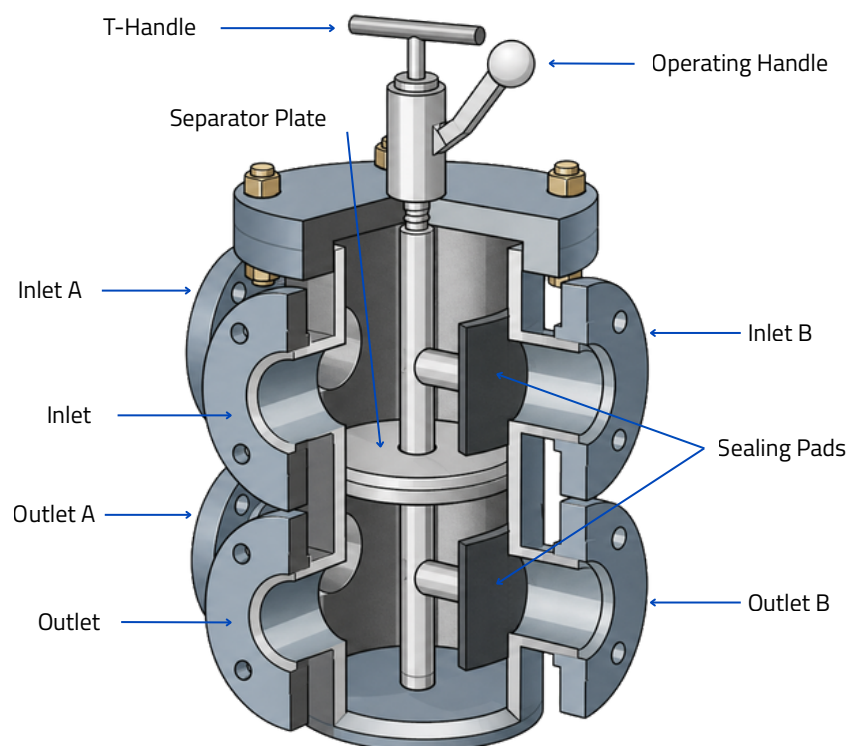
- **Unseat:** Turn the T-Handle CCW to unlock the valve, then push the Operating Handle downward to retract the Sealing Pads.
- **Transfer:** Rotate the Operating Handle 180 degrees (A -> B or B -> A).
- **Reseat:** Release the Operating Handle, turn the T-Handle CW until the Sealing Pads are firmly seated and the valve is locked in position.

3-Way: The valve provides a single flow path from Inlet Port to either Inlet A or Inlet B. Similar to a 3-Way L-Port ball valve.

6-Way: Combines the functionality of two 3-Way valves working in unison into one compact package. The internal Separator Plate divides the valves into separate upper and lower flow paths. Both paths shift simultaneously between the two port pairs.

FEATURES & BENEFITS

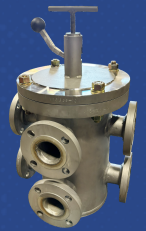
- **Positive Mechanical Lockdown:** Holds sealing pads securely without springs for reliable, leak-free shut-off.
- **Pressure-Assisted Sealing:** Increasing line pressure increases the sealing force, helping maintain reliable sealing performance.
- **Low-torque Design:** Retracting pads eliminate seal drag and wear, delivering smooth, low-torque operation that reduces operator effort.
- **Compact Package:** Space-saving design minimizes the installation footprint and provides improved operator access in space-constrained areas.
- **Fabricated Steel Construction:** Durable, pressure-resistant construction allows flexibility in sizes, port layouts, materials, and custom configurations.
- **ASME Code-Compliant:** Built to applicable ASME requirements for pressure-containing industrial service.
- **Fully Serviceable:** Internal sealing and operating components can be inspected and replaced without replacing the complete valve assembly.
- **Drop-In Replacement:** Designed to fit existing transfer valve installations, minimizing piping modifications and system downtime.
- **Stainless Steel Internals:** enhanced resistance to corrosion and wear for reliable long-term service.



TRANSFER VALVE

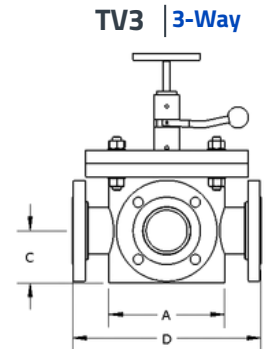
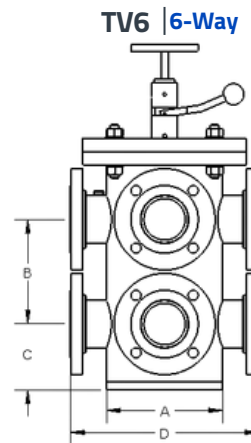
6-WAY ▪ 3-WAY

- Zero process interruption during vessel switchover
- Leak-free shut-off
- Long, low-maintenance service life



PRESSURE & TEMPERATURE DESIGNATION

DESIGNATION	MOC	PSI	TEMP (°F)	ANSI RATING
PT1	CS	280	100	ANSI 150
	SS304/SS316	270		
PT2	CS	195	400	ANSI 150
	SS304/SS316	185		
PT3	CS	735	100	ANSI 300
	SS304/SS316	715		
PT4	CS	630	400	ANSI 300
	SS304/SS316	490		



DIMENSIONAL DETAILS

MODEL	FLANGE	SHIPPING WGT (LBS)	PT1 & PT2				PT3 & PT4			
			A	B	C	D	A	B	C	D
TV6-1.5F	1 1/2"	115	6 5/8"	6 3/8"	4 1/16"	10"	6 5/8"	6 3/8"	4 1/16"	10"
TV6-2F	2"	120	6 5/8"	6 3/4"	4 1/8"	12"	6 5/8"	6 3/4"	4 1/8"	12"
TV6-3F	3"	215	8 5/8"	7 3/4"	4 7/8"	14"	8 5/8"	8 1/2"	4 7/8"	14"
TV6-4F	4"	340	10 3/4"	10 1/4"	6	21"	10 3/4"	10 1/4"	6	21"
TV6-6F	6"	590	12 3/4"	11 1/2"	6 13/16"	26"	12 3/4"	13"	6 13/16"	26"
TV3-1.5F	1 1/2"	70	6 5/8"	-	4 1/16"	10"	6 5/8"	-	4 1/16"	10"
TV3-2F	2"	75	6 5/8"	-	4 1/8"	12"	6 5/8"	-	4 1/8"	12"
TV3-3F	3"	130	8 5/8"	-	4 7/8"	14"	8 5/8"	-	4 7/8"	14"
TV3-4F	4"	200	10 3/4"	-	6	21"	10 3/4"	-	6	21"
TV3-6F	6"	360	15 1/4"	-	6 13/16"	26"	15 1/4"	-	6 13/16"	26"

ORDERING INFORMATION

S4	TV6	-	3F	-	A	-	PT2
MATERIAL	MODEL		INLET/OUTLET & STYLE		CONFIGURATION		PRESSURE CLASS
(-) - Carbon Steel S4 - SS304 S6 - SS316	TV3 - 3-Way Transfer Valve TV6 - 6-Way Transfer Valve		1.5F - 1 1/2" Flanged 2F - 2" Flanged 3F - 3" Flanged 4F - 4" Flanged 6F - 6" Flanged		A - Offset opposite side in/out D - Offset same side in/out (-) TV3 standard configuration		See Pressure & Temperature Designation Table