

THERMOPLASTIC VALVES

Manual & Actuated Thermoplastic Valves

IPEX offers one of the most comprehensive ranges of high quality, high performance thermoplastic valves and actuation products available today. With more than 50 years of design and manufacturing experience, our lightweight, long life, maintenance free valves will save you time and money.

Material options such as PVC, CPVC, PP, PVDF, and ABS make our corrosion resistant valves ideal for use in a wide variety of applications. Quarter turn pneumatic and electric actuation, pneumatically actuated diaphragm valves, and many options and accessories allow for fully automated control. Whether a valve is required for isolation, diversion, control, or throttling, IPEX has a solution to meet your needs.

APPLICATIONS

- Acid products handling for refineries, metal works, etc.
- Alum and ferric chloride handling
- Aquariums and aquatic animal life support systems
- Bleach, dye and acid lines
- Brine and seawater systems
- Chlorine injection, chlorine dioxide and chloralkali plant piping
- Pharmaceutical
- Plant chemical distribution lines
- Plant water supply and distribution
- Swimming pools
- Wash water recovery systems
- Water and wastewater treatment



WHAT TYPE OF VALVE TO USE	Ball Valves	Butterfly Valves	Diaphragm Valves	Check & Vent Valves	Specialty Valves
On/Off Service	✓	✓			
High Capacity	✓	✓			
Throttling	✓	✓	✓		✓
Quick & Frequent Cycling	✓				✓
Slurries/Dirty Fluids		✓	✓		
Filtering					✓
Back Flow Prevention				✓	
Air & Gas Release				✓	
Electro-Mechanical Control					✓
Actuation	✓	✓	✓		



TKD SERIES 3-WAY BALL VALVES – TRUE UNION

The TKD offers a host of advanced features that set it apart from other multi-port valves. The patented seat stop carrier allows for in-line micro-adjustment of the ball seating, and features o-ring cushioning to minimize wear and prevent seizing. Integral mounting flange and bracketing allows for direct actuation and simple support, while a locking handle can prevent improper positioning. The TKD is available in PVC, CPVC, and PP with PTFE seats and either EPDM or FPM seals. Other materials are available upon request.

Pressure: 232 psi at 73°F

Sizes: 1/2" – 2"



Ball valves are generally used for on/off service, but can range from simple molded-in-place construction to high-end industrial designs with many features and benefits. Multi-port ball valves allow for mixing, diverting, and bypassing flow. Extensive material options provide for complete chemical compatibility in highly corrosive processes. Many ball valves feature full port flow, blocking true union ends, and compact ergonomic designs allowing for simple installation and maintenance.

End Conn.	Size inches	Significant Number	EPDM Product Code	Significant Number	FPM Product Code
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PVC w/ PTFE Seats, L-Port

S/T	1/2	TKDLBV103	253844	TKDLBV203	253856
S/T	3/4	TKDLBV104	253845	TKDLBV204	253857
S/T	1	TKDLBV105	253846	TKDLBV205	253858
S/T	1-1/4	TKDLBV106	253847	TKDLBV206	253859
S/T	1-1/2	TKDLBV107	253848	TKDLBV207	253860
S/T	2	TKDLBV108	253849	TKDLBV208	253861

PVC w/ PTFE Seats, T-Port

S/T	1/2	TKDTBV103	253850	TKDTBV203	253862
S/T	3/4	TKDTBV104	253851	TKDTBV204	253863
S/T	1	TKDTBV105	253852	TKDTBV205	253864
S/T	1-1/4	TKDTBV106	253853	TKDTBV206	253865
S/T	1-1/2	TKDTBV107	253854	TKDTBV207	253866
S/T	2	TKDTBV108	253855	TKDTBV208	253867

CPVC w/ PTFE Seats, L-Port

S/T	1/2	TKDLBC103	253893	TKDLBC203	253905
S/T	3/4	TKDLBC104	253894	TKDLBC204	253922
S/T	1	TKDLBC105	253895	TKDLBC205	253906
S/T	1-1/4	TKDLBC106	253896	TKDLBC206	253923
S/T	1-1/2	TKDLBC107	253897	TKDLBC207	253924
S/T	2	TKDLBC108	253898	TKDLBC208	253925

CPVC w/ PTFE Seats, T-Port

S/T	1/2	TKDTBC103	253899	TKDTBC203	253907
S/T	3/4	TKDTBC104	253900	TKDTBC204	253908
S/T	1	TKDTBC105	253901	TKDTBC205	253909
S/T	1-1/4	TKDTBC106	253902	TKDTBC206	253910
S/T	1-1/2	TKDTBC107	253903	TKDTBC207	253911
S/T	2	TKDTBC108	253904	TKDTBC208	253912