

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"



Size (in)	Body Material	Diaphragm Material	Socket/Threaded L-Port		Socket/Threaded T-Port	
			Product Code	Universal #	Product Code	Universal #

TKD w/ PTFE Seats

1/2	PVC	EPDM	253844	TKDLBV103	253850	TKDTBV103
		FPM	253856	TKDLBV203	253862	TKDTBV203
	CPVC	EPDM	253893	TKDLBC103	253899	TKDTBC103
		FPM	253905	TKDLBC203	253907	TKDTBC203
3/4	PVC	EPDM	253845	TKDLBV104	253851	TKDTBV104
		FPM	253857	TKDLBV204	253863	TKDTBV204
	CPVC	EPDM	253894	TKDLBC104	253900	TKDTBC104
		FPM	253922	TKDLBC204	253908	TKDTBC204
1	PVC	EPDM	253846	TKDLBV105	253852	TKDTBV105
		FPM	253858	TKDLBV205	253864	TKDTBV205
	CPVC	EPDM	253895	TKDLBC105	253901	TKDTBC105
		FPM	253906	TKDLBC205	253909	TKDTBC205
1-1/4	PVC	EPDM	253847	TKDLBV106	253853	TKDTBV106
		FPM	253859	TKDLBV206	253865	TKDTBV206
	CPVC	EPDM	253896	TKDLBC106	253902	TKDTBC106
		FPM	253923	TKDLBC206	253910	TKDTBC206
1-1/2	PVC	EPDM	253848	TKDLBV107	253854	TKDTBV107
		FPM	253860	TKDLBV207	253866	TKDTBV207
	CPVC	EPDM	253897	TKDLBC107	253903	TKDTBC107
		FPM	253924	TKDLBC207	253911	TKDTBC207
2	PVC	EPDM	253849	TKDLBV108	253855	TKDTBV108
		FPM	253861	TKDLBV208	253867	TKDTBV208
	CPVC	EPDM	253898	TKDLBC108	253904	TKDTBC108
		FPM	253925	TKDLBC208	253912	TKDTBC208

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.