

# 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	✓	✓	✓		



## VKD SERIES BALL VALVES – TRUE UNION

The next generation industrial valve features the patented Dual Block® system which allows locking of the union nuts in a preset position, assuring seal integrity under severe service conditions. A patented seat stop carrier, high quality stem and ball support system, integral mounting flange and bracketing, and a multifunctional locking handle (standard on sizes 2-1/2" to 4") set this valve apart from the rest. The VKD is available in PVC, CPVC, PP, PVDF, and ABS with PTFE seats and either EPDM or FPM seals.

Pressure: up to 232 psi at 73°F depending on the material  
 Sizes: 3/8" – 4"



End Conn.	Size inches	Significant Number	EPDM Product Code	Significant Number	FPM Product Code
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### PVC w/ PTFE Seats

S/T	3/8	VKDBV102	253067	VKDBV202	253068
S/T	1/2	VKDBV103	053461	VKDBV203	053467
S/T	3/4	VKDBV104	053462	VKDBV204	053468
S/T	1	VKDBV105	053463	VKDBV205	053469
S/T	1-1/4	VKDBV106	053464	VKDBV206	053470
S/T	1-1/2	VKDBV107	053465	VKDBV207	053471
S/T	2	VKDBV108	053466	VKDBV208	053472
Socket	2-1/2	VKDAV109	053539	VKDAV209	053542
Socket	3	VKDAV110	053540	VKDAV210	053543
Socket	4	VKDAV111	053541	VKDAV211	053544

### Corzan® CPVC w/ PTFE Seats

S/T	3/8	VKDBC102	253069	VKDBC202	253070
S/T	1/2	VKDBC103	053473	VKDBC203	253008
S/T	3/4	VKDBC104	053474	VKDBC204	253009
S/T	1	VKDBC105	053475	VKDBC205	253010
S/T	1-1/4	VKDBC106	053476	VKDBC206	253011
S/T	1-1/2	VKDBC107	053477	VKDBC207	253012
S/T	2	VKDBC108	053478	VKDBC208	253013
Socket	2-1/2	VKDAC109	053545	VKDAC209	053548
Socket	3	VKDAC110	053546	VKDAC210	053549
Socket	4	VKDAC111	053547	VKDAC211	053550

### PP w/ PTFE Seats

Threaded	1/2	VKDFM103	053525	VKDFM203	253002
Threaded	3/4	VKDFM104	053526	VKDFM204	253003
Threaded	1	VKDFM105	053527	VKDFM205	253004
Threaded	1-1/4	VKDFM106	053528	VKDFM206	253005
Threaded	1-1/2	VKDFM107	053529	VKDFM207	253006
Threaded	2	VKDFM108	053530	VKDFM208	253007

### PP w/ PTFE Seats

Socket	20mm	VKDIM103	053513	VKDIM203	053519
Socket	25mm	VKDIM104	053514	VKDIM204	053520
Socket	32mm	VKDIM105	053515	VKDIM205	053521
Socket	40mm	VKDIM106	053516	VKDIM206	053522
Socket	50mm	VKDIM107	053517	VKDIM207	053523
Socket	63mm	VKDIM108	053518	VKDIM208	053524