

# 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	✓	✓	✓		



## VR SERIES PISTON CHECK VALVES – TRUE UNION, Y-PATTERN

The VR features an all PVC construction of high performance components. This Y-pattern valve will perform equally as well in both vertical and horizontal orientations. With an increased flow rate yet low-return pressure positive seal, and top-entry maintenance, our VR piston check valve far exceeds the limited performance of other popular check valves. Both EPDM and FPM seals are available.



Pressure: up to 232 psi depending on the size  
 Sizes: 1/2" – 4"

Size (in)	Diaphragm Material	Socket/Threaded		Flanged	
		Product Code	Universal #	Product Code	Universal #

### VR PVC TRUE UNION

Size (in)	Diaphragm Material	Socket/Threaded		Flanged	
		Product Code	Universal #	Product Code	Universal #
1/2	EPDM	053346	VRUV103	053879	VRQV103
	FPM	053289	VRUV203	053885	VRQV203
3/4	EPDM	053347	VRUV104	053880	VRQV104
	FPM	053290	VRUV204	053886	VRQV204
1	EPDM	053348	VRUV105	053881	VRQV105
	FPM	053291	VRUV205	053887	VRQV205
1-1/4	EPDM	053349	VRUV106	053882	VRQV106
	FPM	053292	VRUV206	053888	VRQV206
1-1/2	EPDM	053350	VRUV107	053883	VRQV107
	FPM	053293	VRUV207	053889	VRQV207
2	EPDM	053351	VRUV108	053884	VRQV108
	FPM	053294	VRUV208	053890	VRQV208

Size (in)	Diaphragm Material	Threaded		Socket		Flanged	
		Product Code	Universal #	Product Code	Universal #	Product Code	Universal #

### VR PVC NON TRUE UNION

3	EPDM	053352	VRFV110	053295	VRAV110	053925	VROV110
4	EPDM	053353	VRFV111	053296	VRAV111	053926	VROV111