

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	✓	✓	✓		



RV SERIES SEDIMENT STRAINERS

TRUE UNION – Y PATTERN

The RV Y-pattern strainer protects critical pipeline components by removing solids and suspended impurities. Clear PVC construction allows for inspection of the screen while in service, whereas the bottom-entry design permits maintenance on the valve while in-line. The RV is available with either EPDM or FPM seals, as well as in Corzan® CPVC.



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 #

CLEAR PVC TRUE UNION, W/PVC 35 MESH SCREEN

Size (in)	Diaphragm Material	Socket/Threaded		Flanged	
		Product Code	Universal #	Product Code	Universal #
1/2	EPDM	053261	RVUT103	053935	RVOT103
	FPM	053233	RVUT203	053941	RVOT203
3/4	EPDM	053262	RVUT104	053936	RVOT104
	FPM	053234	RVUT204	053942	RVOT204
1	EPDM	053263	RVUT105	053937	RVOT105
	FPM	053235	RVUT205	053943	RVOT205
1-1/4	EPDM	053264	RVUT106	053938	RVOT106
	FPM	053236	RVUT206	053944	RVOT206
1-1/2	EPDM	053265	RVUT107	053939	RVOT107
	FPM	053237	RVUT207	053945	RVOT207
2	EPDM	053266	RVUT108	053940	RVOT108
	FPM	053238	RVUT208	053946	RVOT208

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

CPVC TRUE UNION, W/PP 20 MESH SCREEN

Size (in)	Diaphragm Material	Socket/Threaded	
		Product Code	Universal #
1/2	FPM	053334	RVUC203
3/4	FPM	053335	RVUC204
1	FPM	053336	RVUC205
1-1/4	FPM	053337	RVUC206
1-1/2	FPM	053338	RVUC207
2	FPM	053339	RVUC208

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

CLEAR PVC NON TRUE UNION, W/PVC 35 MESH SCREEN

Size (in)	Diaphragm Material	Socket		Threaded	
		Product Code	Universal #	Product Code	Universal #
3	EPDM	053211	RVAT110	053267	RVFT110
	FPM	054012	RVAT210	053239	RVFT210
4	EPDM	053212	RVAT111	053268	RVFT111
	FPM	054013	RVAT211	053240	RVFT211

Sizes ASTM Mesh	Hole Pitch inches	Holes / in ²	Hole Dia Microns / μm	Availability		
				PVC	SS	PP
18 Mesh	0.098	226	1000	X	–	–
20 Mesh	0.059	271	850	–	–	X
30 Mesh	0.079	387	600	X	–	–
35 Mesh	0.059	645	500	X	–	–
50 Mesh	0.039	1226	300	X	–	–
35 Mesh	0.028	1548	500	–	X	–