

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	✓	✓	✓		



VM SERIES DIAPHRAGM VALVES – MANUAL HANDWHEEL

The VM series weir-style diaphragm valves are available in PVC, CPVC, PP, or PVDF, four body styles, and three choices of diaphragms (EPDM, FPM, or PTFE). Able to be mounted in any position, the VM is ideal for either very clean or abrasive slurry applications. A unique and proprietary PTFE diaphragm design, available automation, and multiple accessories make this one of the most advanced and versatile lines in the industry.

Pressure: up to 150 psi at 73°F depending on the size
 Size: 3" – 4"



Size (in)	Body Material	Diaphragm Material	IPS Spigot		ANSI 150 Flanged	
			Product Code	Universal #	Product Code	Universal #

Manual Handwheel

3	PVC	EPDM	054182	VMYV110	054227	VMOV110
		FPM	054191	VMYV210	054236	VMOV210
		PTFE	054200	VMYV310	054245	VMOV310
	CPVC	EPDM	054254	VMYC110	054299	VMOC110
		FPM	054263	VMYC210	054308	VMOC210
		PTFE	054272	VMYC310	054317	VMOC310
4	PVC	EPDM	054183	VMYV111	054228	VMOV111
		FPM	054192	VMYV211	054237	VMOV211
		PTFE	054201	VMYV311	054246	VMOV311
	CPVC	EPDM	054255	VMYC111	054300	VMOC111
		FPM	054264	VMYC211	054309	VMOC211
		PTFE	054273	VMYC311	054318	VMOC311

Pressure: up to 150 psi at 73°F depending on the size
 Size: 90mm – 110mm

Size (in)	Body Material	Diaphragm Material	IPS Spigot	
			Product Code	Universal #

Manual Handwheel

90mm	PP	EPDM	054326	VMDM110
		FPM	054335	VMDM210
		PTFE	054344	VMDM310
110mm	PP	EPDM	054327	VMDM111
		FPM	054336	VMDM211
		PTFE	054345	VMDM311

Note: EPDM diaphragms have EPDM o-rings, FPM and PTFE diaphragms have FPM o-rings. For ABS and u-PP VM diaphragm valves, please refer to the Duraplus ABS Industrial and Enpure. Other options are available on request. DK Series Diaphragm valves are made-to-order.