

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	✓	✓	✓		



SXE SERIES BALL CHECK VALVES – TRUE UNION

The IPEX EASYFIT SXE Series True Union Ball Check Valves represent the latest innovation in thermoplastic valve manufacturing technology. The SXE is a complement to the VXE and VEE ball valve product lines, with many of the same features. SXE introduces an advanced method of installation, providing trouble free service for industrial, OEM and water service applications.

It is designed to work with just a few psi of back pressure for positive shutoff in both vertical and horizontal installations.

Pressure: 232 psi at 73°F

Sizes: 1/2" – 4"

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

SXE

1/2	PVC	EPDM	052013	SXEBV103	-	-
		FPM	052022	SXEBV203	-	-
	CPVC	EPDM	052121	SXEBC103	-	-
		FPM	052127	SXEBC203	-	-
3/4	PVC	EPDM	052014	SXEBV104	-	-
		FPM	052023	SXEBV204	-	-
	CPVC	EPDM	052122	SXEBC104	-	-
		FPM	052128	SXEBC204	-	-
1	PVC	EPDM	052015	SXEBV105	-	-
		FPM	052027	SXEBV205	-	-
	CPVC	EPDM	052123	SXEBC105	-	-
		FPM	052133	SXEBC205	-	-
1-1/4	PVC	EPDM	052016	SXEBV106	-	-
		FPM	052028	SXEBV206	-	-
	CPVC	EPDM	052124	SXEBC106	-	-
		FPM	052134	SXEBC206	-	-
1-1/2	PVC	EPDM	052017	SXEBV107	-	-
		FPM	052030	SXEBV207	-	-
	CPVC	EPDM	052125	SXEBC107	-	-
		FPM	052135	SXEBC207	-	-
2	PVC	EPDM	052018	SXEBV108	-	-
		FPM	052120	SXEBV208	-	-
	CPVC	EPDM	052126	SXEBC108	-	-
		FPM	052136	SXEBC208	-	-
2-1/2	PVC	EPDM	-	-	052478	SXEAV109
		FPM	-	-	052481	SXEAV209
	CPVC	EPDM	-	-	052484	SXEAC109
		FPM	-	-	052487	SXEAC209
3	PVC	EPDM	-	-	052479	SXEAV110
		FPM	-	-	052482	SXEAV210
	CPVC	EPDM	-	-	052485	SXEAC110
		FPM	-	-	052488	SXEAC210
4	PVC	EPDM	-	-	052480	SXEAV111
		FPM	-	-	052483	SXEAV211
	CPVC	EPDM	-	-	052486	SXEAC111
		FPM	-	-	052489	SXEAC211



With optimized fluid dynamics design the SXE has an improved Cv value. The seat stop carrier is a threaded design for safe disconnection upstream. The ball is machined smooth for optimal service and prolonged life. The SXE also utilizes the EASYFIT torque wrench to tighten union nuts with defined torque and the EASYFIT LCE labelling system for custom identification.

Note: See page 147 for EasyFit Accessories

Check valves should be used whenever there is a need to prevent back-flow of process media. This may be when two incompatible fluids cannot be allowed to mix, or when reverse flow would cause undesirable drainage of a system line or tank. Many styles exist including: simple ball checks, heavy duty swing checks, and highly efficient piston checks. These valves are typically gravity operated and require very little back pressure to seal. Air release valves safely allow any entrapped air or gas to escape, avoiding damage to the piping system.