

## Compact Ball Valves



### Features – PVC, CPVC

This industrial grade, quarter turn shutoff valve is popular where maintenance-free installations are desired for a variety of chemical processing, industrial and OEM applications. IPS Sizes 1/2" - 4" available with socket, threaded or flanged end connectors, 6" size available with socket or flanged end connectors. 6" valve uses high-efficiency lever style handle for easier operation.

- Chemical & Corrosion Resistant PVC or CPVC Construction
- Maintenance-Free Sealed Unit
- Schedule 80 Full-Bore Design
- High Impact Polypropylene Handle
- Spears® Single O-ring Safe-T-Shear® Stem Design
- EPDM or FKM O-rings
- Self Adjusting PTFE Floating Seat Design
- Sizes 1/2" - 2" Pressure Rated to 235 psi @ 73°F, Sizes 3" - 6" and all Flanged Pressure Rated to 150 psi @ 73°F
- EPDM valves NSF® Certified for Potable Water use
- Suitable for Vacuum Service
- Assembled with Silicone-Free, Water Soluble Lubricant
- Manufactured to ASTM F 1970

**Note:** Valve size 6" uses Lever Handle (not shown)

### Sample Engineering Specification

All thermoplastic ball valves shall be Compact sealed unit type constructed from PVC Type I, ASTM D 1784 Cell Classification 12454 or CPVC Type IV, Cell Classification 23447. All O-rings shall be EPDM or FKM. All valves shall have Safe-T-Shear® stem and Polypropylene handle. All EPDM valves shall be certified by NSF International for use in potable water service. All 1/2" - 2" valves shall be pressure rated at 235 psi, all 3" - 6" and all flanged valves shall be pressure rated at 150 psi for water at 73°F, as manufactured by Spears® Manufacturing Company.

### Quick-View Valve Selection Chart

Valve Size	O-ring Material	PVC Part Numbers <sup>1</sup>			Pressure Rating	
		Socket	Threaded	Flanged		
1/2	EPDM	2122-005	2121-005	2123-005	235 psi Non-Shock Water @ 73°F	
	FKM	2132-005	2131-005	2133-005		
3/4	EPDM	2122-007	2121-007	2123-007		
	FKM	2132-007	2131-007	2133-007		
1	EPDM	2122-010	2121-010	2123-010		
	FKM	2132-010	2131-010	2133-010		
1-1/4	EPDM	2122-012	2121-012	2123-012		(Flanged 150 psi Non-Shock) Water @ 73°F
	FKM	2132-012	2131-012	2133-012		
1-1/2	EPDM	2122-015	2121-015	2123-015		
	FKM	2132-015	2131-015	2133-015		
2	EPDM	2122-020	2121-020	2123-020		
	FKM	2132-020	2131-020	2133-020		
3	EPDM	2122-030	2121-030	2123-030	150 psi Non-Shock Water @ 73°F	
	FKM	2132-030	2131-030	2133-030		
4	EPDM	2122-040	2121-040	2123-040		
	FKM	2132-040	2131-040	2133-040		
6	EPDM	2122-060	---	2123-060		
	FKM	2132-060	---	2133-060		

1: For CPVC valves, add the letter "C" to the part numbers listed (e.g., 2131-005C).

### Optional Accessories\*

- Round Safety Handle
- Stem Extension Kit
- Mini-Mount Actuation Mounting Kit
- 2" Square/T-Style Operator Nut

\*See "BALL VALVE ACCESSORIES" section for details of individual products.