



PVC & CPVC COMPACT 2000 BALL VALVES

CB2000-2-0604

Industrial Grade, Maintenance-Free Sealed Unit New Lower-Profile, More Compact Design Provides Even Greater Space-Savings



- New Actuation-Ready Body – Accepts Spears® Improved Mini-Mount Actuator Mounting Kits
- New Double O-ring Stem Seal
- Spears® Safe-T-Shear Stem
- PTFE Self Adjusting Floating Seats
- EPDM or Viton® O-ring Seals
- Full 235 psi Pressure Rating @ 73°F
- NSF Certified for Use with Potable Water
- Suitable for Vacuum Service
- Produced in ASTM IPS sizes 1/2" - 2" with Socket or Threaded End Connectors

Corrosion Resistant PVC or CPVC Construction, Silicone Free Assembly

Spears® Compact 2000 Ball Valves never rust, scale, or pit, providing exceptional chemical and corrosion resistance. Assembled with water soluble, silicone free lubricant.

Actuation-Ready Body Mounting Lugs

Valve body has built-in mounting lugs for direct attachment to Spears® improved Mini-Mount actuator mounting kits.

PTFE Ball Seats

Spears® PTFE floating seat design reduces seat wear for extended valve life, smooth operation, and bubble-tight shutoff. 100% factory tested.

EPDM or Viton® O-ring Options

Available with high grade, abrasion resistant EPDM or Viton® elastomer O-ring seals. Allows application specific selection for optimum chemical resistance.

High Impact Polypropylene Handle

Low profile, double stop design. Exhibits excellent resistance to most chemical environments.

Sample Engineering Specification

All thermoplastic ball valves shall be Compact 2000 sealed unit type manufactured to ASTM F 1970 and constructed from PVC Type I, ASTM D 1784 Cell Classification 12454 or CPVC Type IV, Cell Classification 23447. All Valve bodies shall have actuation mounting lugs. All O-rings shall be EPDM or Viton®. All valves shall have Safe-T-Shear® stem with O-ring stem seal and double-stop Polypropylene handle. All valves shall be listed by NSF International for use in potable water service. All 1/2" - 2" valves shall be pressure rated at 235psi, for water at 73°F, as manufactured by Spears® Manufacturing Company.

Full Schedule 80 Bore

In open position, full-bore provides optimum flow with pressure drop equal to that of an equivalent length of Schedule 80 pipe.

Suitable for Vacuum Service

Compact 2000 Ball Valves have been tested at 26 in-Hg. vacuum for one hour with less than 1-in. Hg loss.

NSF Certified for Potable Water

All Compact 2000 Ball Valves are NSF Certified for use in potable water systems.

Optional Accessories

- Round Safety Handle
- Stem Extension Kit
- Mini-Mount Actuation Mounting Kit (AMB3 Series)
- 2" Square/T-Style Operator Nut

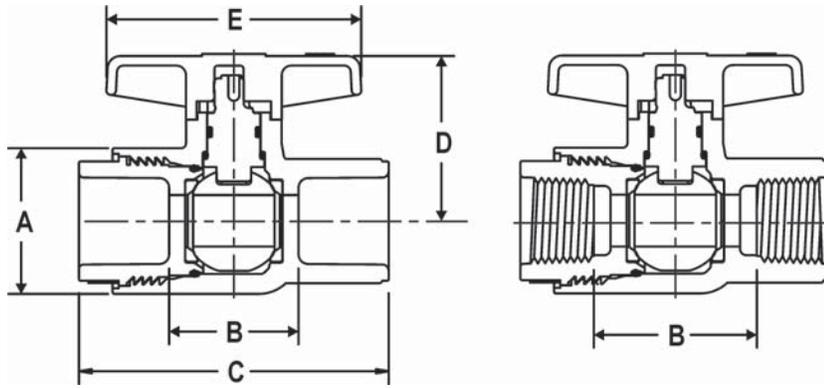


Viton® is a registered trademark of Dupont Dow Elastomers.

PROGRESSIVE PRODUCTS FROM SPEARS® INNOVATION & TECHNOLOGY

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Technical Information



Dimensions

Size	Dimension Reference (inches, ± 1/16)					
	A	B ¹		C	D	E
		Socket	Threaded			
1/2	1-7/16	1-1/4	1-5/8	3-1/16	1-5/8	1-5/8
3/4	1-13/16	1-1/2	2-1/16	3-9/16	2	2
1	2-1/16	1-3/4	2-3/16	4	2-5/16	2-5/16
1-1/4	2-5/8	2-1/6	2-3/4	4-5/8	2-13/16	2-13/16
1-1/2	3	2-1/2	3-3/8	5-5/16	3-1/16	3-1/16
2	3-5/8	3	4	6	3-3/4	3-3/4

1: Valve Lay Length

Temperature Pressure Rating

System Operating Temperature °F (°C)		100 (38)	110 (43)	120 (49)	130 (54)	140 (60)	150 (66)	160 (71)	170 (77)	180 (82)	190 (88)	200 (93)	210 (99)
Valve Pressure Rating psi (MPa)	1/2" - 2"	PVC	235 (1.62)	211 (1.45)	150 (1.03)	75 (.52)	50 (.34)	-0- (-0-)	-0- (-0-)	-0- (-0-)	-0- (-0-)	-0- (-0-)	-0- (-0-)
		CPVC	235 (1.62)	219 (1.51)	170 (1.17)	145 (1.00)	130 (.90)	110 (.76)	90 (.62)	80 (.55)	70 (.48)	60 (.41)	50 (.34)

NOT FOR USE WITH COMPRESSED AIR OR GASES

Spears® Manufacturing Company DOES NOT RECOMMEND the use of thermoplastic piping products for systems to transport or store compressed air or gases, or the testing of thermoplastic piping systems with compressed air or gases in above and below ground locations. The use of our product in compressed air or gas systems automatically voids any warranty for such products, and its use against our recommendation is entirely the responsibility and liability of the installer.

WARNING: DO NOT USE COMPRESSED AIR OR GAS TO TEST ANY PVC OR CPVC THERMOPLASTIC PIPING PRODUCT OR SYSTEM, AND DO NOT USE DEVICES PROPELLED BY COMPRESSED AIR OR GAS TO CLEAR SYSTEMS. THESE PRACTICES MAY RESULT IN EXPLOSIVE FRAGMENTATION OF SYSTEM PIPING COMPONENTS CAUSING SERIOUS OR FATAL BODILY INJURY.

Prices subject to change without notice. Possession of this price schedule shall not be construed as an offer to sell the products listed. Product drawing(s) and/or photograph(s) are representative and may not fully reflect product configuration.

Viton® is a registered trademark of DuPont Dow Elastomers.



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