

SSCEPBV SERIES - 304 STAINLESS STEEL FULL PORT COLD EXPANSION PEX (CEP) BALL VALVE

Quarter turn shut-offs, ideal for hot and cold potable water systems. Compatible with glycol solutions used in hydronic heating systems and commonly used in commercial applications including but not limited to agricultural and maple syrup industries.

CAUTIONS: *These valves are not for use in direct burial applications and cannot be used behind a wall without an access panel. It is the sole responsibility of the end user to determine the product's suitability for its intended use. For chlorinated water over 2ppm it is recommended to install a chlorine reduction system. For full details, visit Boshart Industries [Reference Documents](#) for our User Safety Responsibility Statement and other important documents.*

FEATURES:

- Two piece investment cast body with blow out proof stem
- Solid stainless steel ball for 1/2" through 1-1/4" sizes
- Hollow stainless steel ball for 1-1/2" and 2" sizes
- Stainless steel handle with blue plastic sleeve

SPECIFICATIONS:

- Full Port conforms to IAPMO/ANSI Z1157
- Historically compatible only with PEX-A PEX pipe. Some manufacturers are stating their PEX-B PEX pipe is compatible with cold expansion fittings. It is the sole responsibility of the installer to confirm the piping is suitable for CEP applications.
- For use with ASTM F2769-22 tubing (Standard Specification for Polyethylene of Raised Temperature (PE-RT/SDR9) Plastic Hot and Cold Potable Water Tubing and Distribution Systems)
- For use with ASTM F2623-22 tubing (Standard Specification for Polyethylene of Raised Temperature (PE-RT/SDR9) Systems for Non-Potable Water Applications)
- For use with ASTM F876-23 PEX pipe (Standard Specification for Crosslinked Polyethylene (PEX/SDR9) Tubing that is Outside Diameter Controlled)
- Cold expansion PEX ends conform to ASTM F1960

RATINGS:

- Max Pressure rating: 600 PSI at 100°F (37.8°C)
- CWP - Cold Working Pressure, is an indication of the pressure rating for valves at a temperature range of up to +100 °F (37 °C)
- Temperature Range: 33.8°F (1°C) to 200°F (93°C)

CAUTION: Regardless of the valve's pressure & temperature ratings, you must never exceed the manufacturer's maximum pressure and temperature ratings of PEX or PE-RT pipe. See typical ratings on underside of valve handle, these may vary from one manufacturer to the next.

CERTIFICATIONS:

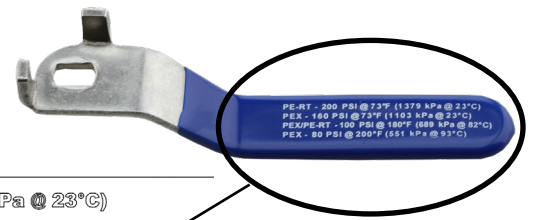
- cUPC (Canadian Uniform Plumbing Code) Listed; IAPMO/ANSI Z1157 and ASME A112.4.14/CSA B125.14 Certified
- NSF/ANSI/CAN Standard 61 Certified (Drinking Water System Components - Health Effects)
- NSF/ANSI/CAN Standard 372 Certified (Drinking Water System Components - Lead Content - Stainless Steel alloys do not contain any lead, 0.00% Pb)
- NSF/ANSI/CAN Standard 14 Certified (Plastic Piping System Components and Related Materials)

BOSHART
INDUSTRIES

25 Whaley Avenue, PO Box 310, Milverton,
ON CANADA N0K 1M0
Tel: 800-561-3164

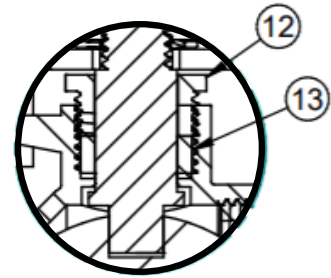
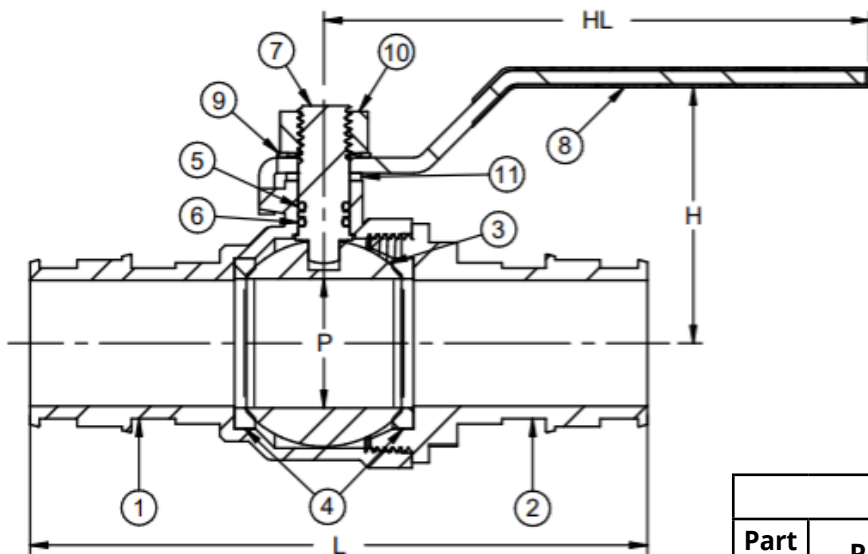
VISIT US ONLINE AT [BOSHART.COM](https://www.boshart.com)

For more information on installation,
adjustment, repair & operation, visit
Boshart Knowledge Base at
[SUPPORT.BOSHART.COM](https://support.boshart.com)



PE-RT - 200 PSI @ 73°F (1379 kPa @ 23°C)
PEX - 160 PSI @ 73°F (1103 kPa @ 23°C)
PEX/PE-RT - 100 PSI @ 180°F (689 kPa @ 82°C)
PEX - 80 PSI @ 200°F (551 kPa @ 93°C)





*SSCEPBV-15 AND SSCEPBV-20 do not have stem O-rings (Part No. 5 & No. 6), they have a Packing Nut (No. 12) and Stem Packing (No. 13).



SSCEPBV ball valves are supplied with PVC protective caps on the end connections

MATERIAL LIST

Part No.	Part Name	Qty.	Material
1	Valve Body	1	304 Stainless Steel
2	End Cap	1	304 Stainless Steel
3	Ball	1	304 Stainless Steel
4	Seat	2	PTFE (Polytetrafluoroethylene)
5	Stem O-ring only up to 1-1/4" *	1	1 x NBR (Nitrile Butadiene Rubber)
6	Stem O-ring only up to 1-1/4" *		1 x FKM (Fluoroelastomer)
7	Stem	1	304 Stainless Steel
8	Handle	1	304 Stainless Steel with blue PVC sleeve
9	Internal tooth lock washer	1	304 Stainless Steel
10	SS Hex Nut	1	304 Stainless Steel
11	Washer	1	PTFE (Polytetrafluoroethylene)
*1-1/2" and 2" only (instead of above no. 5 and no. 6)			
12	Packing Nut	1	304 Stainless Steel
13	Stem Packing	1	PTFE (Polytetrafluoroethylene)

DIMENSIONS

Part No.	Size	L		H		HL		P		Weight	
		in	mm	in	mm	in	mm	in	mm	lbs	grams
SSCEPBV-05	1/2"	2.50	63.5	1.53	38.8	3.27	83.0	0.41	10.5	0.28	128
SSCEPBV-07	3/4"	3.22	81.9	1.67	42.5	3.27	83.0	0.63	16.0	0.46	208
SSCEPBV-10	1"	3.82	97.0	1.97	49.9	4.13	105.0	0.80	20.2	0.73	330
SSCEPBV-12	1-1/4"	4.70	119.3	2.11	53.7	4.19	106.5	0.98	25.0	1.23	558
SSCEPBV-15	1-1/2"	5.51	140.0	2.72	69.1	4.95	125.7	1.18	30.0	1.89	857
SSCEPBV-20	2"	7.07	179.5	3.41	86.7	6.57	166.8	1.73	44.0	4.13	1874

BOSHART
INDUSTRIES

25 Whaley Avenue, PO Box 310, Milverton,
ON CANADA N0K 1M0
Tel: 800-561-3164

VISIT US ONLINE AT BOSHART.COM

For more information on installation,
adjustment, repair & operation, visit
Boshart Knowledge Base at
SUPPORT.BOSHART.COM



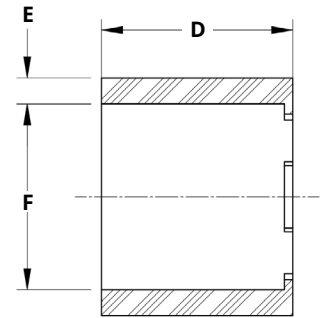
SSCEPBV SERIES - ACCESSORY PARTS:

720CEP-EC SERIES - EXPANSION COLLAR

- For use with cold expansion PEX fittings
- Dimensional tolerances as per ASTM F1960
- Material: PEX (cross-linked polyethylene)



Part No.	Description	D		E		F	
		in	mm	in	mm	in	mm
720CEP-EC05*	1/2" CEP Collar	0.63	16.0	0.12	3.12	0.63	16.1
720CEP-EC07*	3/4" CEP Collar	0.87	22.0	0.12	3.12	0.88	22.4
720CEP-EC10*	1" CEP Collar	1.10	28.0	0.14	3.63	1.13	28.8
720CEP-EC12*	1-1/4" CEP Collar	1.35	34.29	0.14	3.55	1.39	35.31
720CEP-EC15*	1-1/2" CEP Collar	1.61	40.89	0.14	3.55	1.64	41.66
720CEP-EC20*	2" CEP Collar	1.97	50.04	0.24	6.10	2.15	54.61



*Dimensional tolerances as per ASTM F1960

SSCEPBV SERIES REPLACEMENT PARTS:

RPSSCEPBV SERIES - REPLACEMENT HANDLE KIT

- (includes handle, internal tooth lock washer & nut)

Part No.	Description	SS Hex Nut Thread
RPSSCEPBV-H1V2898	Fits 1/2 and 3/4" ball valves	M6 x 1
RPSSCEPBV-H2V2898	Fits 1" ball valve	M8 x 1.25
RPSSCEPBV-H3V2898	Fits 1-1/4" ball valve	M8 x 1.25
RPSSCEPBV-H4V2898	Fits 1-1/2" ball valve	M10 x 1.5
RPSSCEPBV-H5V2898	Fits 2" ball valve	M12 x 1.5



BOSHART
INDUSTRIES

25 Whaley Avenue, PO Box 310, Milverton,
ON CANADA N0K 1M0
Tel: 800-561-3164

VISIT US ONLINE AT BOSHART.COM

For more information on installation,
adjustment, repair & operation, visit
Boshart Knowledge Base at
SUPPORT.BOSHART.COM

