

Series L8 Ball Valve

Three-Piece Instrument Ball Valve
 Sizes 1/4" ~ 1"



The SVF Series L8 Ball Valves are compression-ended valves designed to be compatible with all of the leading instrument fittings. In addition to an integral ISO mounting pad, this high performance valve has a vast selection of seats and seals.

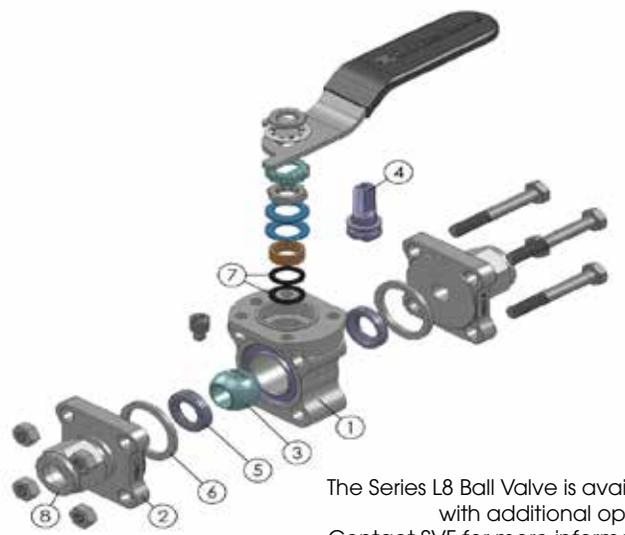
SERIES L8 DESIGN FEATURES

- ✓ High performance design for process-quality applications
- ✓ Compression ends are compatible with all leading instrument fittings
- ✓ Live-loaded stem seal ensures seal-tight pressure containment even under thermal cycling
- ✓ Three-piece "swing out" design offers easy access for in-line maintenance
- ✓ ISO 5211 mounting pad for easy actuation
- ✓ Standard seat material is TFM1600™
- ✓ Blowout proof stem adds safety & reliability
- ✓ Full range of options to suit specific requirements



MATERIALS OF CONSTRUCTION

ITEM	DESCRIPTION	MATERIALS SPECIFICATIONS
1	Body	316 Stainless Steel (ASTM A351 CF8M)
2	End Connector	316L Stainless Steel (ASTM A351 CF3M)
3	Ball	316 Stainless Steel (ASTM A351 CF8M)
4	Stem	316 Stainless Steel (ASTM A276 316) 17-4 pH Stainless Steel (ASTM A564 630)
5	Seat	TFM1600™, Delrin®, SupraLon™, PEEK
6	Body Seal	PTFE, Buna "N", SupraLon™, GRAFOIL®, Viton®, EPDM
7	Stem Seal	SupraLon™
8	Compression Fittings	316 Stainless Steel with silver plated threads



The Series L8 Ball Valve is available with additional options. Contact SVF for more information.

SPECIFICATION STANDARDS OF COMPLIANCE

SVF Series L8 Ball Valves are available in designs that meet the following Industry Standards:

- ANSI
- DIN
- ASTM
- ASME
- ISO
- NACE
- API
- MSS

Contact SVF for specific applications

What do you need today?™



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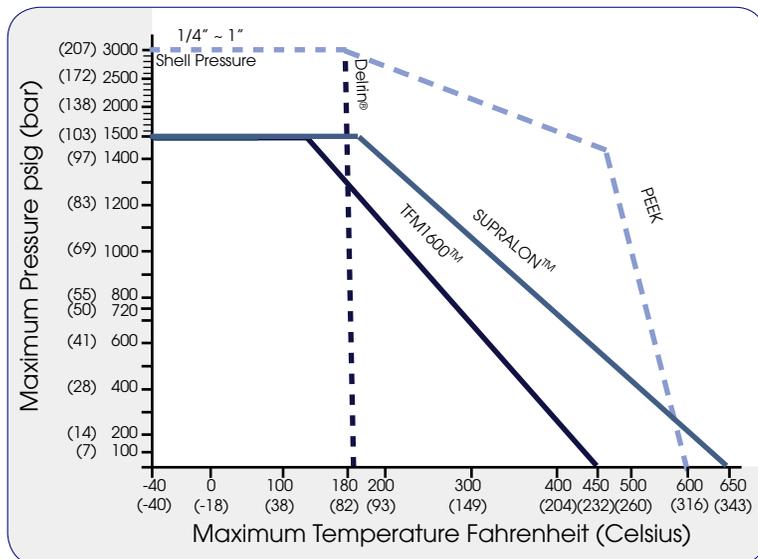
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DIMENSIONS, WEIGHT, Cv, TORQUE

Size	A		B		D		L		Weight		Cv	Torque* TFM1600™		Torque* SupraLon™		Torque* Delrin		Torque* PEEK	
	in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg		in-lbf	Nm	in-lbf	Nm	in-lbf	Nm	in-lbf	Nm
1/4"	3.03	77	0.26	7	5.00	127	1.8	46	2	0.9	3	45	5	50	6	50	6	61	7
3/8"	3.11	79	0.38	10	5.00	127	1.8	46	2	0.9	5	45	5	50	6	50	6	61	7
1/2"	3.35	85	0.51	13	5.00	127	1.8	46	2	0.9	8	45	5	50	6	50	6	61	7
3/4"	3.74	95	0.76	19	5.00	127	1.9	48	2	0.9	12	45	5	50	6	60	7	130	15
1"	4.53	115	1.01	26	6.00	152	2.4	61	4	1.8	32	100	11	150	17	90	10	250	28

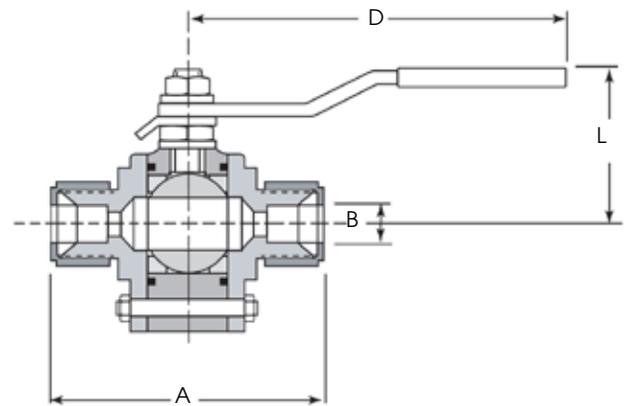
L8 - PRESSURE/TEMPERATURE CHART



Class 1500 (Sizes: 1/4" to 1")

Note: Maximum pressure & temperature is limited to the seat material rating

*At full differential with clean fluids



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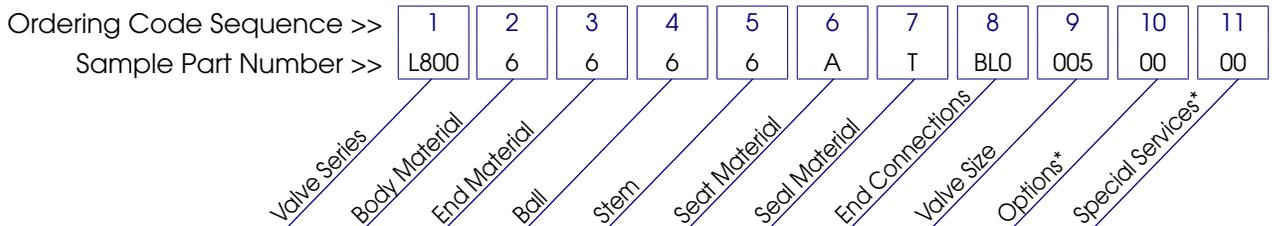


How To Order Guide (Columns 1 thru 11)

1 SERIES	2 BODY	3 ENDS	4 BALL	5 STEM	6 SEAT MATERIAL
L800*	6 = 316 Stainless Steel ASTM A351 CF8M	6 = 316L Stainless Steel ASTM A351 CF3M	6 = 316 Stainless Steel ASTM A351 CF8M	6 = 316 Stainless Steel ASTM A276 316 M = 17-4pH Stainless Steel ASTM A564 630	A = TFM1600™ D = Delrin** (1/4" - 2") S = SupraLon™ K = PEEK (1/4" - 2") (Requires 17-4 Stem - Code M)

7 BODY SEAL	8 END CONNECTIONS	9 VALVE SIZE	10 OPTIONS*	11 SPECIAL SERVICES*
T = PTFE B = Buna "N" G = GRAFOIL U = UHMWPE V = Viton E = EPDM S = SupraLon	BLO = Compression Ends with Nuts and Ferrule	002 = 1/4" 003 = 3/8" 005 = 1/2" 007 = 3/4" 010 = 1"	00 = None OH = Oval Handle LK = Locking Device SX = ISO Cast Stem Extension AD = Anti-Static Device AA = Oval Handle & Locking Device AB = Oval Handle & ISO Cast Stem Extension AC = Locking Device & Anti-Static Device AG = ISO Cast Stem Extension & Locking Device JA = Oval Handle, ISO Cast Stem Extension & Locking Device JB = Oval Handle, ISO Cast Stem Extension & Anti-Static Device JE = Locking Device, ISO Cast Stem Extension & Anti-Static Device	00 = None XC = Oxygen Cleaned SF = Degreased (Silicone Free) UH = Vent/Relief Hole ¹ AS = Ammonia Service HC = High Cycle Stem Kit VV = Vacuum & Searching Gas Stem Kit

Order Example: (L8006666ATBL00050000) The Part Number will contain 20 digits.



¹ Vent Hole is on the Upstream Side

*Not all Options or Special Services available on all ball valves. Consult SVF for additional information.

**Delrin Seats cannot be used for Oxygen Service

