

# Series KB9 Ball Valve

Three-Piece Cryogenic Ball Valve, Full Port  
Sizes 1/2" ~ 2"



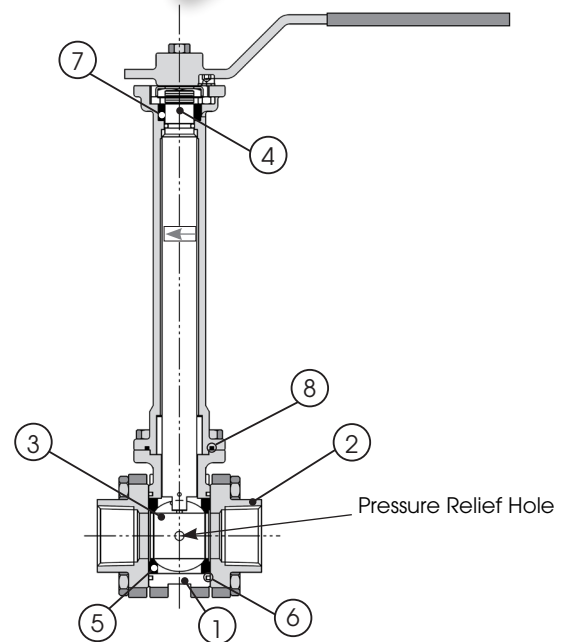
The SVF Series KB9 Cryogenic Ball Valve is the quality solution for tough application involving all types of cryogenics: oxygen, hydrogen, methane, ammonia, nitrogen, fluorine and LNG. Our complete line of KB9 Cryogenic Valves are backed by years of successful field experience and incorporates superior technology and design.

## SERIES KB9 DESIGN FEATURES

- ✓ High performance design for process-quality applications
- ✓ Pressure rated to 2000 WOG
- ✓ Anti-Static stem device
- ✓ Three-piece "swing out" design offers easy access for in-line maintenance
- ✓ ISO 5211 mounting pad for direct mount automation
- ✓ Standard seat material is PCTFE
- ✓ Blowout proof stem adds safety & reliability
- ✓ Standard locking device
- ✓ Certified to BS 6364 cryogenic standard

## 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	17-4 pH Stainless Steel (ASTM A564 630)
5	Seat	PCTFE
6	Body Seal	PCTFE
7	Stem Seal	PCTFE
8	Bonnet Seal	TFM1600



## SPECIFICATION STANDARDS OF COMPLIANCE

SVF Series KB9 Ball Valves have been third party tested and certified to according to BS 6364 standard

*What do you need today?*™



# Series KB9 Ball Valve

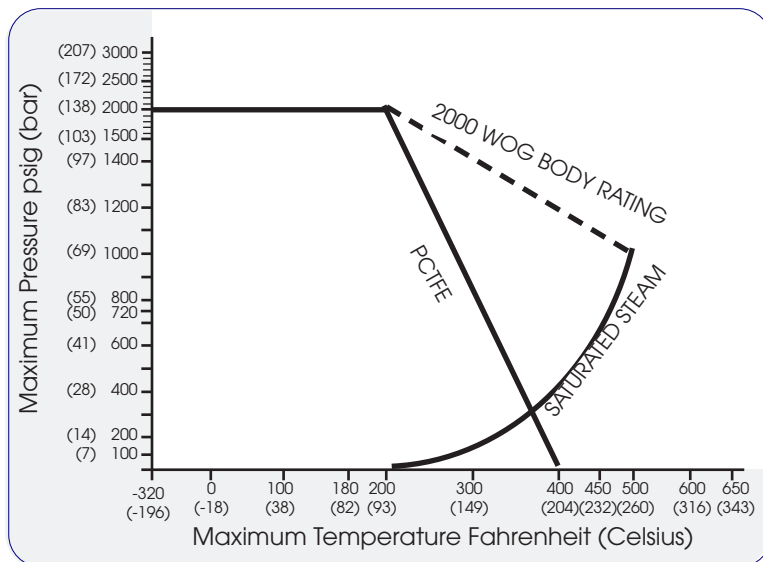
Three-Piece Cryogenic Ball Valve, Full Port  
 Sizes 1/2" ~ 2"



## DIMENSIONS, WEIGHT, CV, TORQUE

Size	A		B		D		L		Weight		Cv	Torque* PCTFE	
	in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg		in-lbf	Nm
1/2"	2.95	75	0.59	15	5.31	135	8.94	277	3.9	1.77	19	250	28
3/4"	3.15	80	0.81	20.5	5.31	135	11.06	281	4.8	2.18	35	300	34
1"	3.54	90	0.98	25	6.50	165	11.22	285	6.1	2.77	50	400	45
1-1/2"	4.72	120	1.46	37	7.68	195	15.63	397	16.3	7.39	200	700	79
2"	5.91	150	1.97	50	7.68	195	16.30	414	20.9	9.48	350	1,600	181

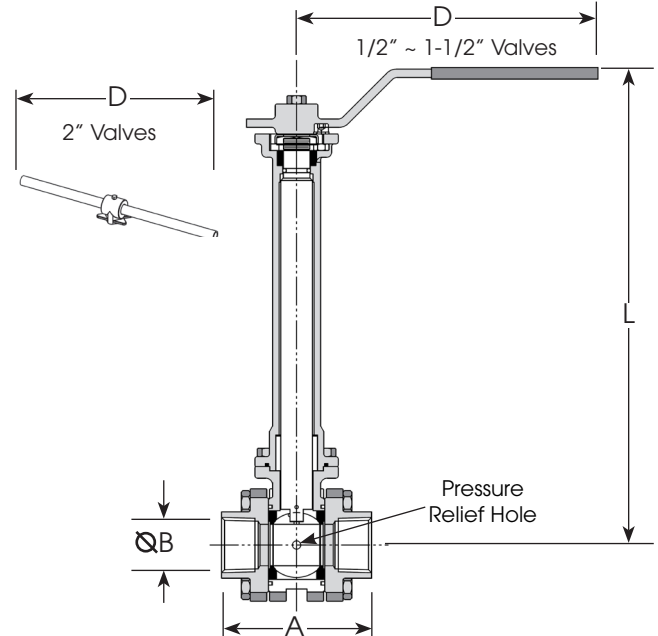
## KB9 - PRESSURE/TEMPERATURE CHART



### Class 900

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

\* At full differential pressure for clean fluids (-320°F (-196°C))



# Series KB9 Ball Valve

Three-Piece Cryogenic Ball Valve, Full Port  
 Sizes 1/2" ~ 2"



How To Order Guide (Columns 1 thru 11)

1	2	3	4	5	6
SERIES	BODY	ENDS	BALL	STEM	SEAT MATERIAL
KB90	6 = 316 Stainless Steel ASTM A351 CF8M	6 = 316L Stainless Steel ASTM A351 CF3M	6 = 316 Stainless Steel ASTM A351 CF8M	M = 17-4pH Stainless Steel ASTM A564 630	F = PCTFE

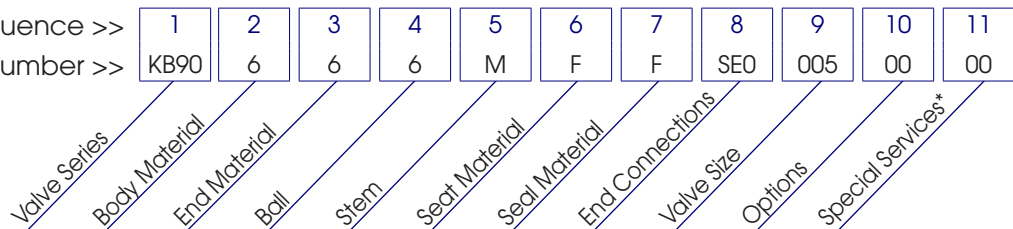
  

7	8	9	10	11
BODY SEAL	END CONNECTIONS	VALVE SIZE	OPTIONS	SPECIAL SERVICES*
F = PCTFE	SE0 = Threaded Ends (FNPT)  SW0 = Socket Weld Ends  BW0 = Butt Weld Ends (Sched 40)	005 = 1/2"  007 = 3/4"  010 = 1"  015 = 1-1/2"  020 = 2"	00 = None	00 = None XC = Oxygen Cleaned

Order Example: (KB90666MFFSE00050000) The Part Number will contain 20 digits.

Ordering Code Sequence >>

Sample Part Number >>



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