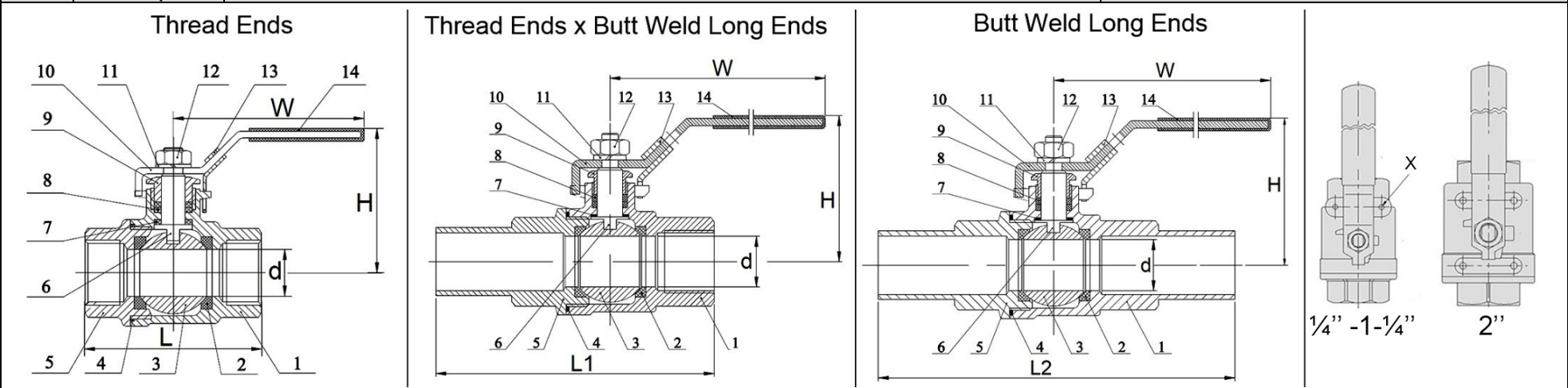


Series 1G Model 43 High Performance Ball Valve

Main Features			Reference Picture
★Investment Casting Two Piece Body			
★Pressure Rating Max. 2000 WOG (137 Bar)			
★Lockable Handle			
★Full Bore			
★A Relief Hole in Stem Slot to Balance the Pressure in Body Cavity			
★	Ends Connection	Female Thread Ends	
		Butt Weld Long Ends x Thread Ends	
		Butt Weld Long Ends	
★	Available Upon Request	★Seal Welded is Available Upon Request (Body and Cap Welded)	
		★ATEX is Available Upon Request	
		★NACE MR0175 is Available Upon Request	
		★TA-LUFT (ISO 15848-1) is Available Upon Request	
		★Degreasing is Available Upon Request	
		★Tapped and Drilled Holes for Bracket is Available Upon Request (X)	

Main Parts and Materials								
Item	Part Name	Materials	Item	Part Name	Materials	Item	Part Name	Materials
3	Ball	F304 / F316 / F51 / F53 / 904L	7	Thrust Washer	PTFE	10	Handle	SS304
4	Cap Seal	PTFE	8	Packing	PTFE	11	Spring Washer	SS304
6	Stem	F304 / 17-4PH / F51 / F53 / 904L	9	Gland Nut	SS304	12	Stem Nut	SS304
1	Body	WCB / CF8 / CF8M / A995 4A / A995 5A / 904L				13	Latch Lock	SS304
2	Seats	RTFE / CTFE / STFE / TFM 1700 / PEEK / Metal to Metal				14	Handle Sleeve	PVC
5	Cap	WCB / CF8 / CF8M / A995 4A / A995 5A / 904L				-		



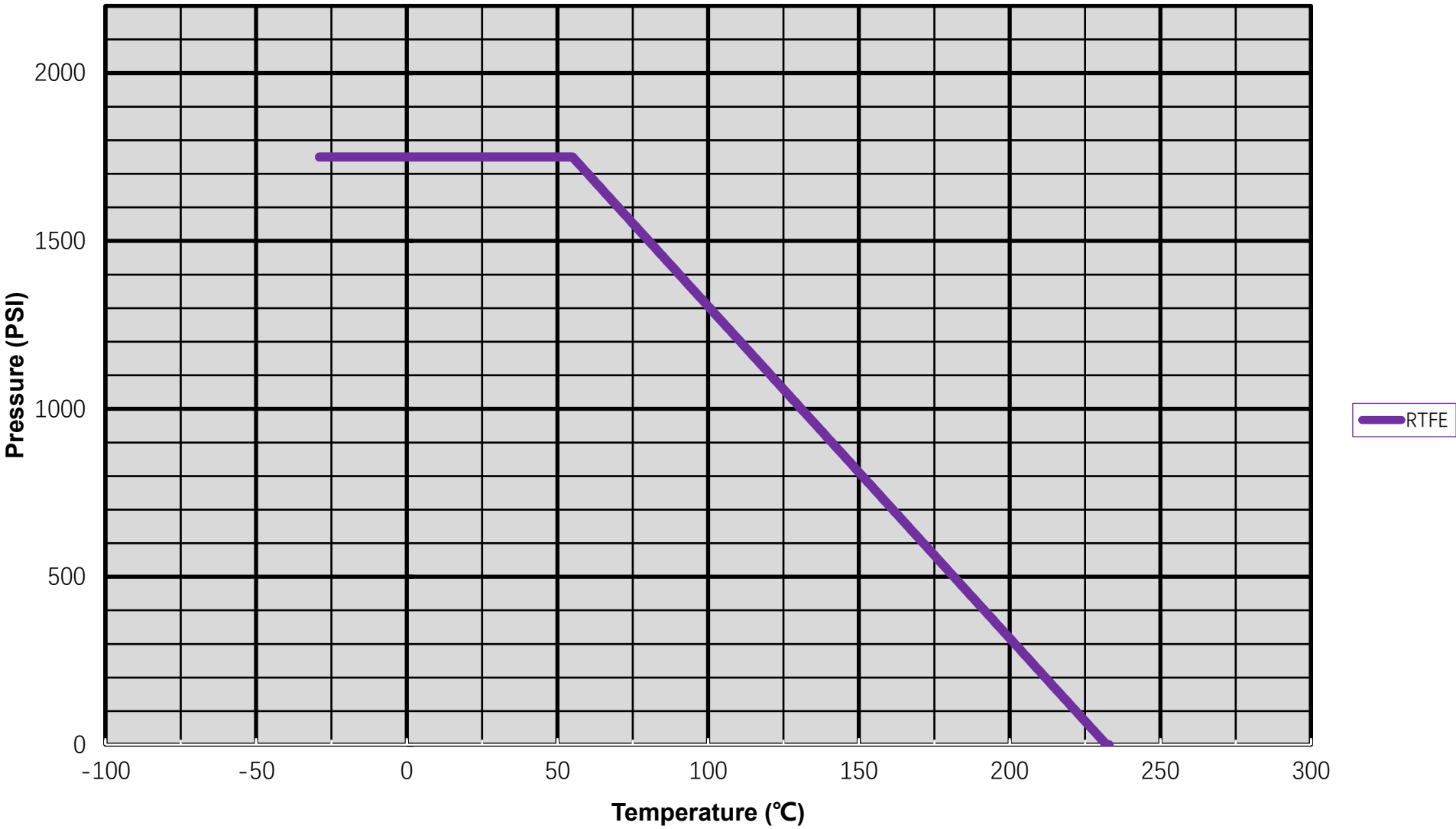
Dimensions (mm)									
Size	Inch	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
	DN	DN8	DN10	DN15	DN20	DN25	DN32	DN40	DN50
d		11.0	12.5	15.0	20.0	25.0	32.0	38.0	50.0
L		55.5	55.5	65.5	74.5	88	102	110.5	125
L1		175.5	175.5	185.5	194.5	208	222	230.5	245
L2		295.5	295.5	305.5	314.5	328	342	350.5	365
H		56	56	64	67	71	76	86	95
W		102	102	135	135	161	161	187	188
X (1)		10-32 UNC	10-32 UNC	10-32 UNC	10-32 UNC	10-32 UNC	10-32 UNC	10-32 UNC	10-32 UNC
Cv		6	6	24	35	47	81	105	241
Pressure Rating Max. (2)		137 Bar	137 Bar	137 Bar	137 Bar	137 Bar	137 Bar	137 Bar	137 Bar
		100 Bar	100 Bar	100 Bar	100 Bar	100 Bar	100 Bar	100 Bar	100 Bar
Weight (KGS)	L	0.27	0.26	0.41	0.57	0.98	1.39	2.00	3.00
	L1	0.38	0.37	0.52	0.74	1.20	1.72	2.39	3.57
	L2	0.48	0.47	0.62	0.90	1.41	2.04	2.78	4.14

(1) Only Available Upon Request, Other Aizes Also Available.

(2) If You Choose “RTFE Seats”, We Recommend that the Actual Use Pressure DOES NOT Exceed 100 Bar.

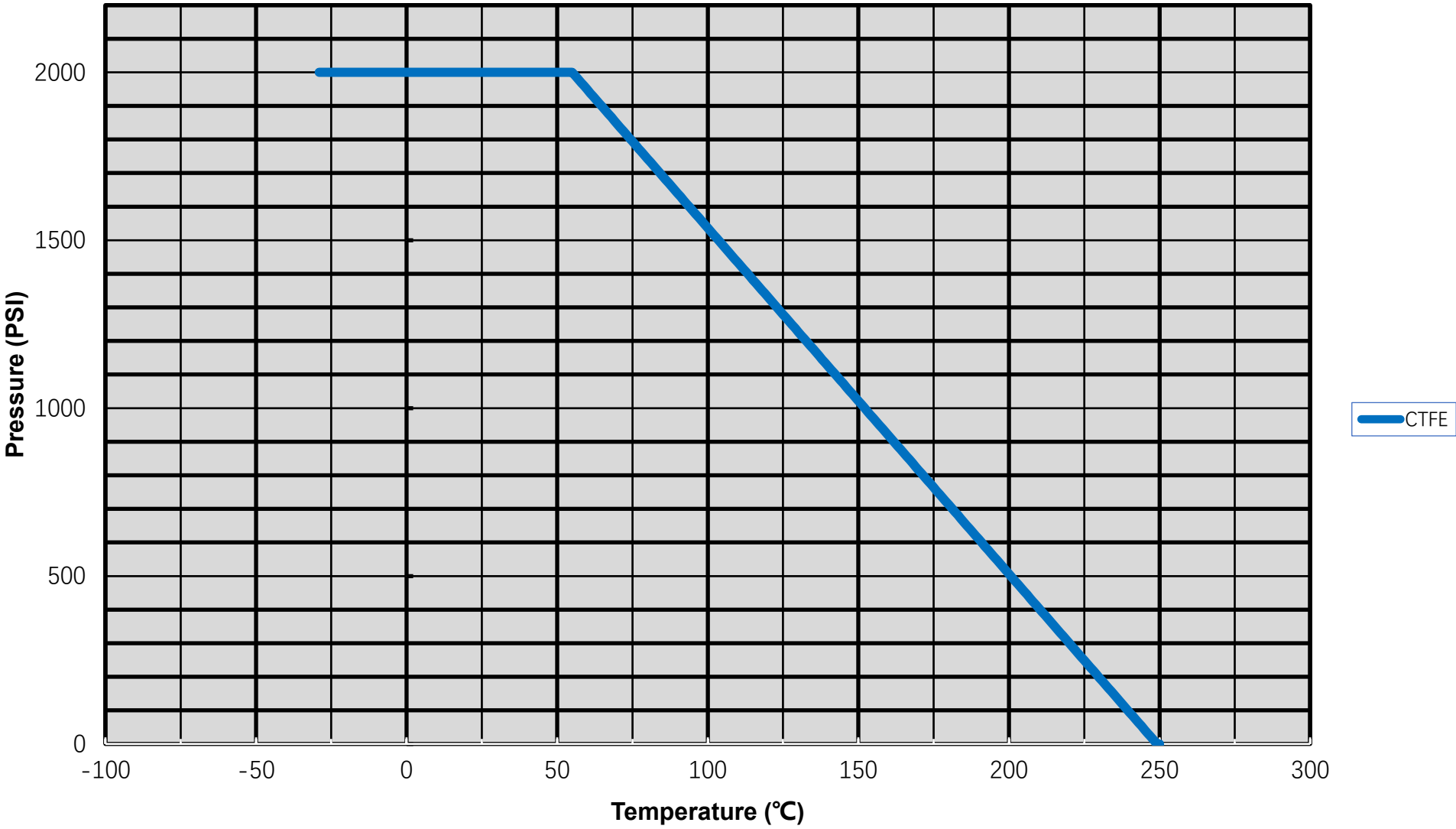
Optional Parts			
Limit Switch Box 	Butterfly Handle / T Handle for Ball Valve 	Spring Return Handle for Ball Valve 	Oval Handle for Ball Valve 

Pressure VS Temperature Curve (RTFE)



★RTFE (25% Glass Fiber + 75% PTFE)

Pressure VS Temperature Curve (CTFE)

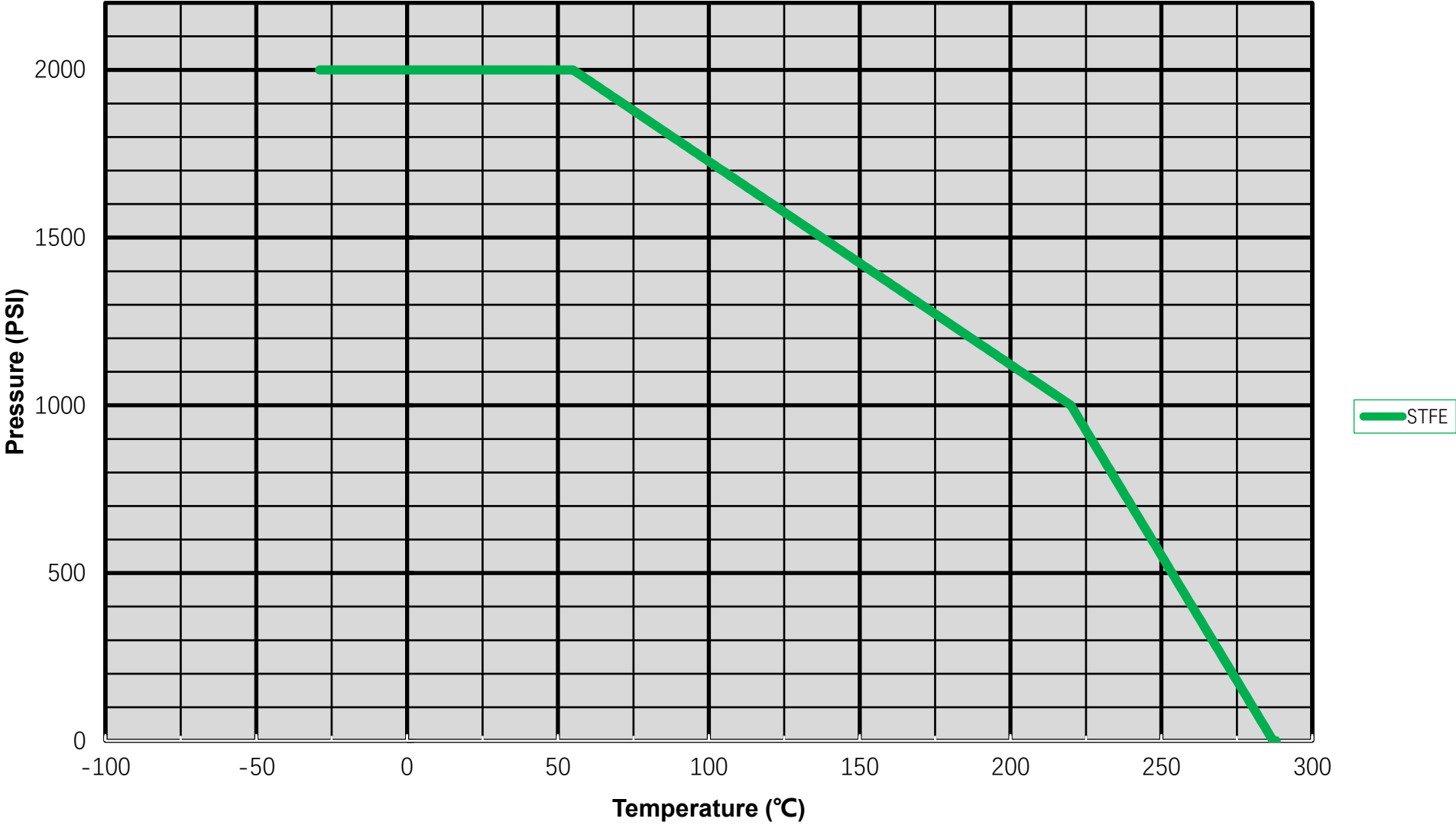


★CTFE (25% Carbon Graphite + 75% PTFE)

★CTFE is Used for Low Pressure Steam / Abrasive / Slurry Services

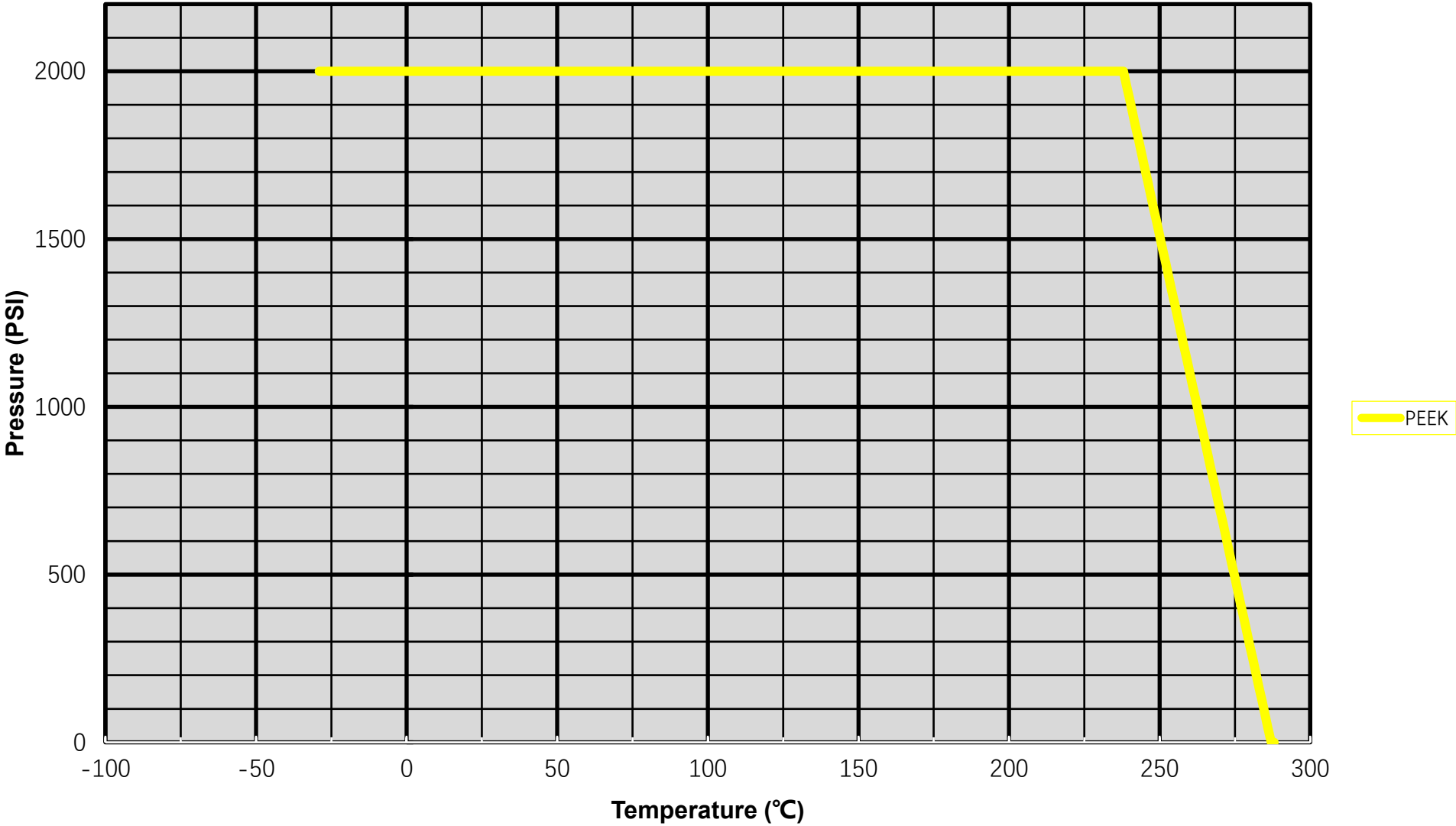
★CTFE Offers Comparable Chemical Compatibility to PTFE

Pressure VS Temperature Curve (STFE)



- ★STFE (50% Stainless Steel Powder + 50% PTFE)
- ★Can be Used in Saturated Steam Applications
- ★Recommended for V-ball Ball Valves.

Pressure VS Temperature Curve (PEEK)



- ★PEEK has Good Chemical Resistance
- ★PEEK is Ideal for High Pressure Applications
- ★Do not Use in Applications Prone to Thermal Shock / Chlorine / Sulfuric Acid
- ★Use of PEEK Seats Require the Use of a 17- 4 PH® Stem

Pressure VS Temperature Curve (Metal to Metal)

