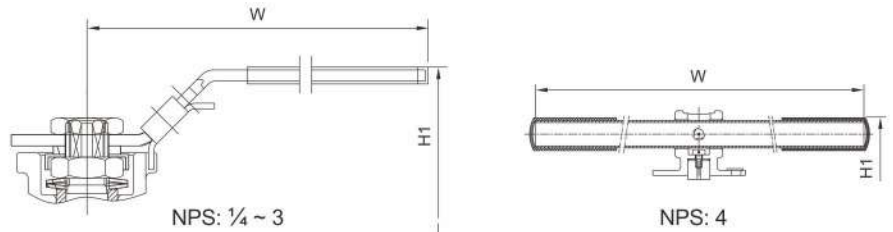
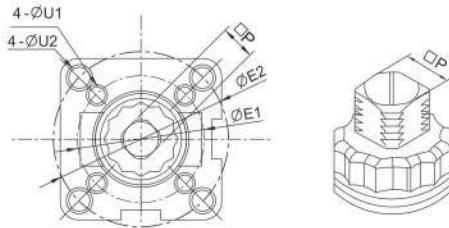
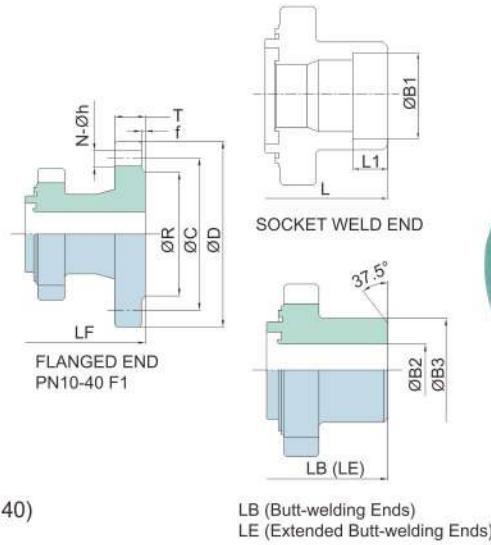


FEATURES:

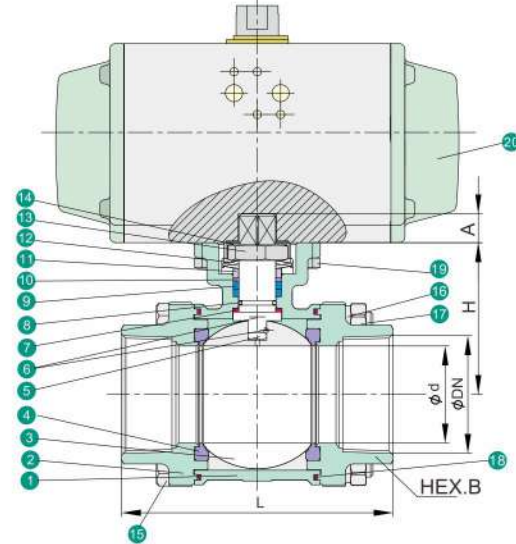
- Built-in ISO 5211 Direct Mounting Pad and Square Stem for Easy Automation
- Fire Safe Design Approved
- Anti-Static Devices for Ball-Stem-Body
- Blow-out Proof Stem
- Pressure Balance Hole in Ball Slot
- Pre-Load 2 Belleville Washers to Self-adjust Packing
- **TA-LUFT ISO15848-1** Design Approved
- Options: 1. Actuator 2. Limit Switch 3. Positioner
- Casting Approved by TÜV AD 2000 - Merkblatt W0
- NACE standard MR0175 & MR0103 (Optional)

STANDARDS:

- Design: MSS SP-110
- Wall Thickness: EN 12516-3
- Pipe Thread **KV-L30F**: ASME B1.20.1, ISO 7/1, EN 10226, JIS B0203, ISO 228/1, JIS B0202,
- Butt Weld **KV-L31F**: ASME B16.25 (Ø B2 Sch 40)
- Extended Butt Weld **KV-L31F-L**: ASME B16.25 (Ø B2 Sch 40)
- Socket Weld **KV-L32F**: ASME B16.11
- Flanged Ends **KV-L3FF** :
KV-L3FF(1) : ASME CLASS 150, KV-L3FF(2) : ASME CLASS 300
KV-L3FF(J) : PN10, KV-L3FF(K) : PN16, KV-L3FF(M) : PN25, KV-L3FF(N) : PN40 EN 1092-1
KV-L3FF(A) : JIS 10K, KV-L3FF(C) : JIS 20K B 2220
- Inspection & Testing: MSS SP-110



NO.	PART NAME	MATERIALS			
		CF8M	CF8	WCB	
1	Body	CF8M	CF8	WCB	
2	Cap (Thread)	CF8M	CF8		WCB
	Cap (Welding)	CF3M	CF8		
3	Ball	316	304		
4	Ball Seat	TFM 1600 / PTFE / RTFE			
5	Stem	316	304		
6	Anti-Static Device	316	304		
7	Thrust Washer	PTFE			
8	O-Ring	FKM			
9	Stem Packing	GRAPHITE			
10	Bushing	304			
11	Gland	316			
12	Belleville Washer	301			
13	Stem Nut	A194-8			
14	Stop-Lock-Cap	304			
15	Bolting	A193-B8/A2-70			
16	Bolt Washer	304			
17	Bolt Nut	A194-8/A2-70			
18	Body Gasket	GRAPHITE			
19	Hex Bolting	A2-70			
20	Actuator	Pneumatic KP / Electric KQ			



NPS	d	L	LB	LE	LF	H	H1	W	E1	E2	P	U1	U2	A	D	C	R	T	f	N	h	L1	B1	B2	B3	ISO 5211
1/4	10.6	75	70	225	—	42.0	72	147	36	42	9	6	6	9	—	—	—	—	—	—	—	10	14.2	9.3	18	F03-F04
3/8	12.7	75	70	225	—	42.0	72	147	36	42	9	6	6	9	—	—	—	—	—	—	—	10	17.8	12.5	18	F03-F04
1/2	15.0	75	75	225	130	42.0	72	147	36	42	9	6	6	9	95	65	45	16	2	4	14	10	21.8	15.8	22	F03-F04
3/4	20.0	80	90	225	150	48.5	79	147	36	50	9	6	7	9	105	75	58	18	2	4	14	13	27.3	20.9	28	F03-F05
1	25.0	90	100	245	160	58.5	89	177	42	50	11	6	7	11	115	85	68	18	2	4	14	13	34.0	26.7	34	F04-F05
1 1/4	32.0	110	110	255	180	63.0	93	177	42	70	11	6	9	11	140	100	78	18	2	4	18	16	42.8	35.1	43	F04-F07
1 1/2	38.0	120	125	260	200	71.3	103	197	50	70	14	7	9	14	150	110	88	18	3	4	18	16	48.9	40.9	50	F05-F07
2	50.0	140	150	275	230	78.2	110	197	50	70	14	7	9	14	165	125	102	20	3	4	18	17	61.4	52.5	61	F05-F07
2 1/2	63.5	185	190	330	290	100.0	150	267	70	102	17	9	11	17	185	145	122	22	3	8	18	17	74.0	62.7	76	F07-F10
3	76.0	205	220	356	310	108.5	159	267	70	102	17	9	11	17	200	160	138	24	3	8	18	17	90.0	78.0	92	F07-F10
4	100.0	240	270	432	350	140.0	212	400	—	102	22	—	11	22	235	190	162	24	3	8	22	20	115.1	102.4	115	F10

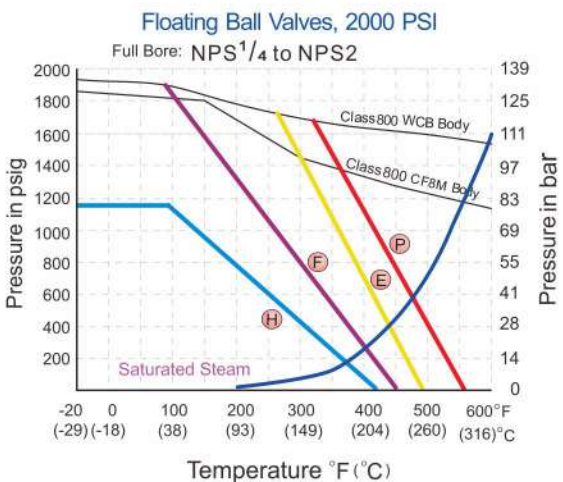
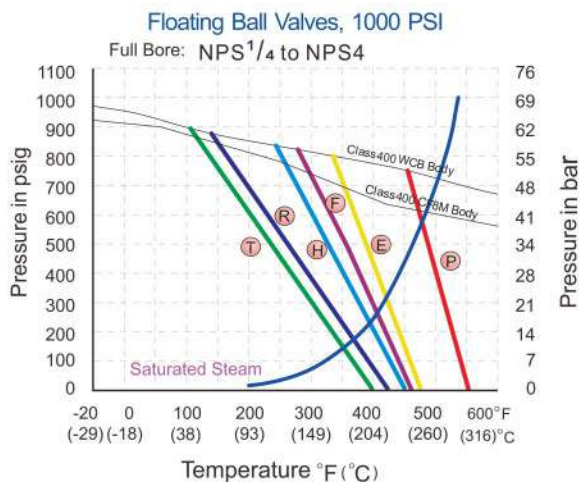
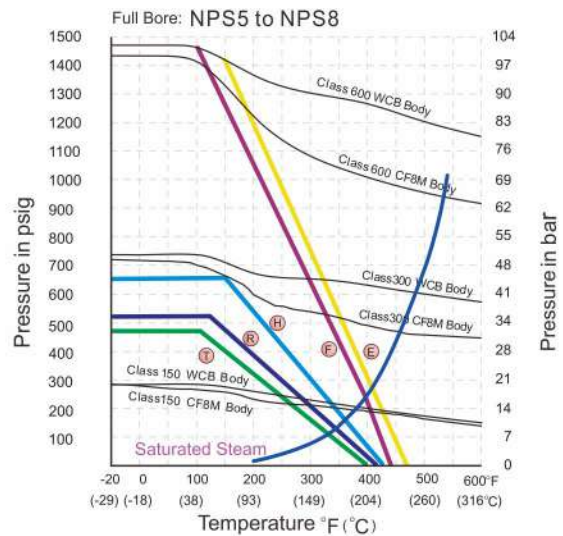
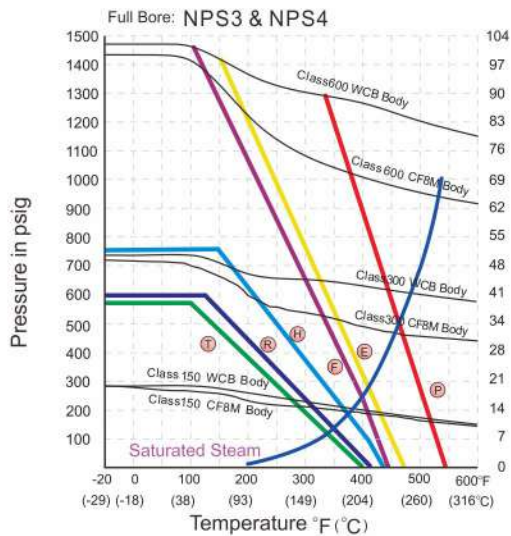
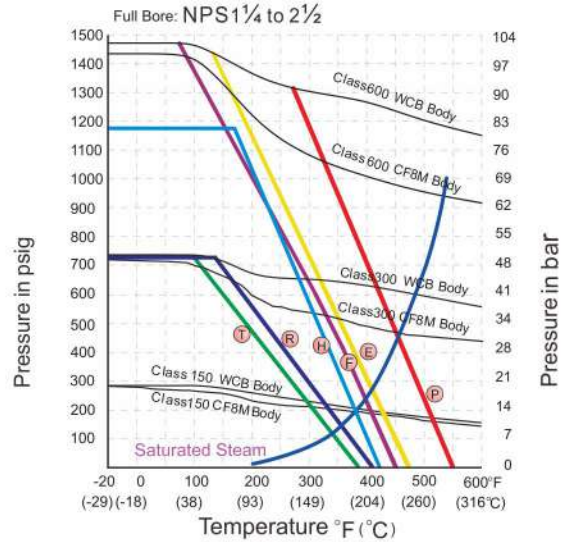
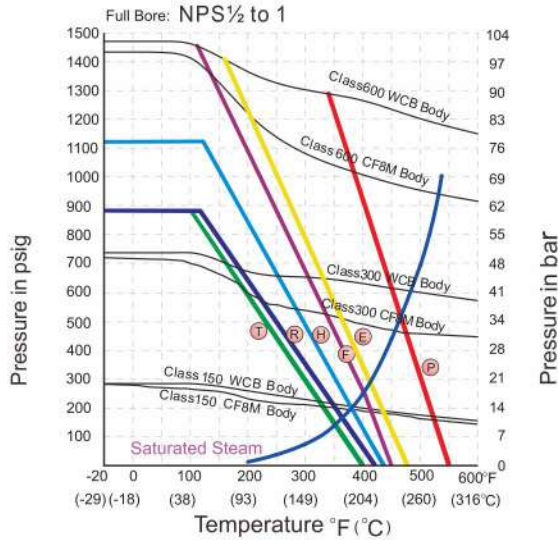
*M3 Face to Face dimensions are available

*For valves with butt weld ends per DIN11850 series 2 or ISO1127, the pressure rating will be 400 WOG.

*Flanged end dimensions "D, C, R, T, f, N, h" are for PN40. Please contact KI for more details about the other flange connection ends.

The pressure-temperature data of ball valves is determined not only by valve shell materials but also by sealing materials used for ball seats, gland packings and flange gaskets.

Floating Ball Valves, Class 150 / 300 / 600



Seat Materials: T=PTFE R=RTFE H=TFM1600 E=EK+PTFE P=PEEK F=TFM4215

“H” is the standard seat material for KI ball valves, except KV-010, 020 & 030 series.

The seat material of these types is PTFE.

Body Ratings: Shown above are for ASTM A351 Gr.CF8M and A216 Gr.WCB

For ratings of other valve shell materials, please refer to the last edition of ASME B16.34.