

FEATURES:

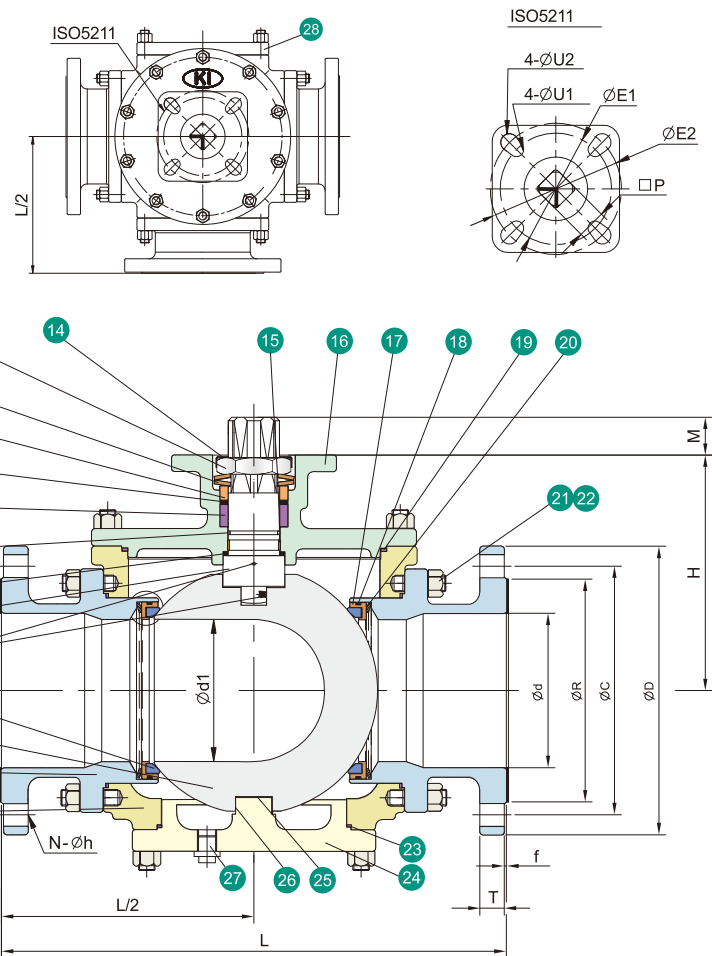
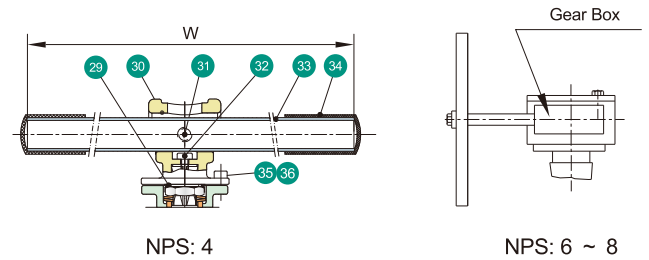
- Built-in ISO 5211 Direct Mounting Pad for Easy Automation
-  Anti-Static Devices for Ball-Stem-Body
- Blow-out Proof Stem
- Quarter Turn & Half Turn Operation Are Available for Worm Gear
- Top Entry
- Positive Position Location At 90° Increments
- Locking in Every 90° Increments
- Multi-Port Configuration
KV-L5U(I)/L, KV-L5S(I)/L: L-Port
KV-L5U(I)/T, KV-L5S(I)/T: T-Port
KV-L5U(I)/X, KV-L5S(I)/X: LL-Port

APPLICABLE STANDARDS:

- Design: ASME B16.34
- Flanged Ends: ASME B16.5
- Wall Thickness: ASME B16.34
- Inspection & Testing: API 598

MATERIAL OF CONSTRUCTION

NO.	PART NAME	MATERIALS		
1	Body	CF8M	CF8	WCB
2	End Cap (1)	CF8M	CF8	WCB
3	Ball	316	304	
4	Ball Seat	TFM1600/TFM4215		
5	Anti-static Device	316	304	
6	Stem	316	304	
7	Thrust washer	PTFE		
8	O-Ring	FKM		
9	Stem Packing	PTFE / GRAPHITE		
10	Bushing	50%SS+50%PTFE/304		
11	Gland	316		
12	Belleville Washer	301		
13	Stem Nut	A194-8		
14	Stop-lock-Cap	304		
15	Stem Sleeve	50%SS+50%PTFE		
16	Cap(1)	CF8M	CF8	WCB
17	Seat Retainer	316	304	
18	O-Ring	FKM		
19	Body Gasket (1)	PTFE / GRAPHITE		
20	Spring	17-4 PH		
21	Nut	A194-8	A194-2H	
22	Bolt	A193-B8	A193-B7	
23	Body Gasket (2)	PTFE / GRAPHITE		
24	Cap(2)	CF8M	CF8	WCB
25	Washer	50%SS+50%PTFE		
26	Bushing	50%SS+50%PTFE		
27	Plug	CF8M	CF8	
28	End Cap(2)	CF8M	CF8	WCB
29	Handle Gland	4	304	
30	Handle Adapter	4	CF8	
31	Set Screwed	4	A2-70	
32	Bolt	4	A2-70	
33	Handle	4	A53+ZnPlated	
34	Handle Sleeve	4	VINYL PLASTIC	
35	Stop Bolt	4	A2-70	
36	Stop Nut	4	A2-70	



■ ASME CLASS 150 DIMENSION TABLE

Unit: mm

NPS	d	d1	L	R	D	C	f	T	N	h	H	W	P	M	E1	E2	U1	U2	ISO 5211
4	100	91	385	157.2	230	190.5	2	22.3	8	19.0	195.0	600	27	27	125	—	14	—	F12
5	125	112	460	186.0	255	215.9	2	22.3	8	22.3	215.0	—	36	36	140	165	18	22	F14-F16
6	150	138	490	216.0	280	241.3	2	23.9	8	22.3	228.5	—	36	36	140	165	18	22	F14-F16
8	200	184	620	270.0	345	298.5	2	27.0	8	22.3	281.5	—	36	36	140	165	18	22	F14-F16

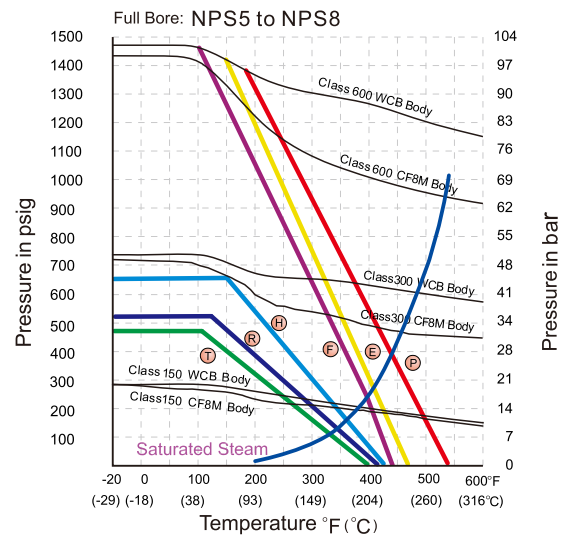
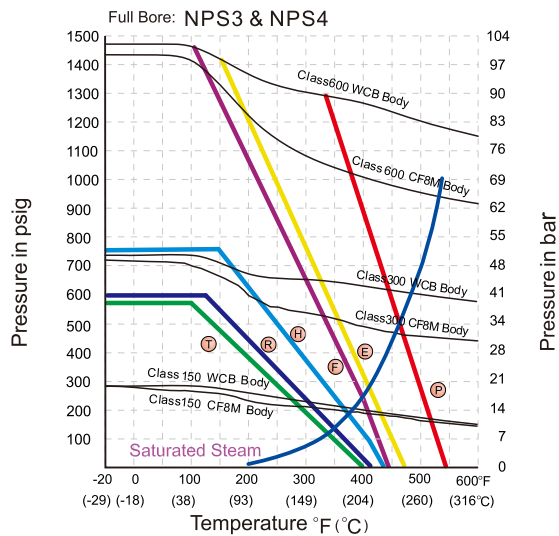
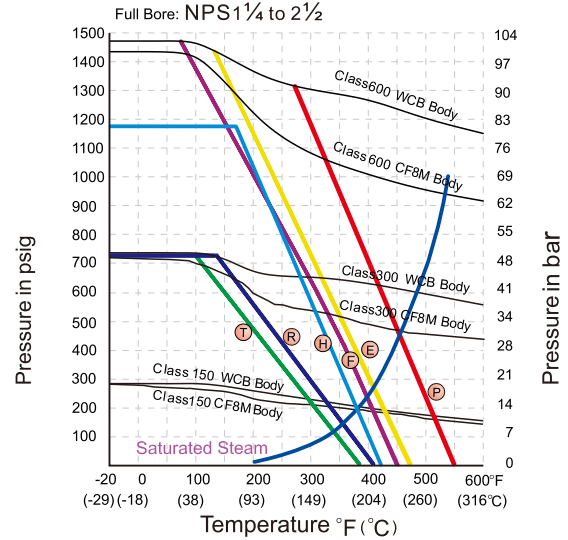
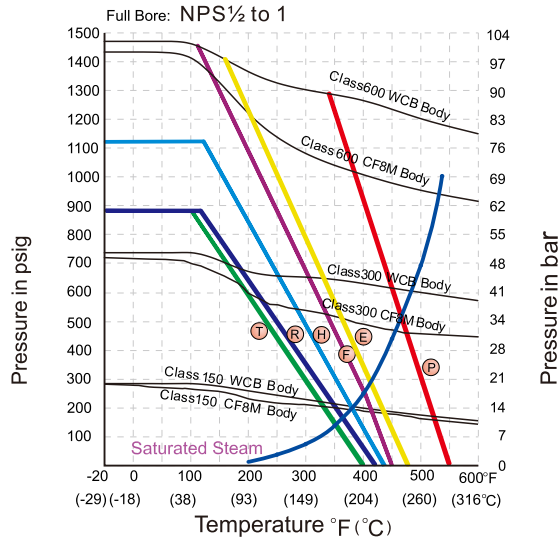
■ ASME CLASS 300 DIMENSION TABLE

Unit: mm

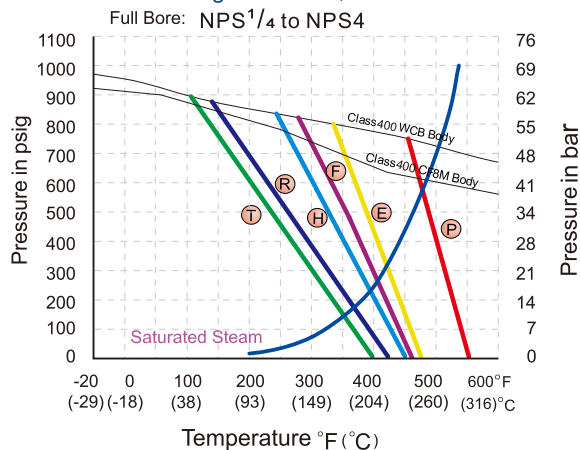
NPS	d	d1	L	R	D	C	f	T	N	h	H	W	P	M	E1	E2	U1	U2	ISO 5211
4	100	91	388	157.2	255	200.0	2	30.2	8	22.3	195.0	600	27	27	125	—	14	—	F12
5	125	112	480	186.0	280	235.0	2	33.4	8	22.3	215.0	—	36	36	140	165	18	22	F14-F16
6	150	138	520	216.0	320	269.9	2	35.0	12	22.3	228.5	—	36	36	140	165	18	22	F14-F16
8	200	184	660	270.0	380	330.2	2	39.7	12	25.4	281.5	—	36	36	140	165	18	22	F14-F16

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.

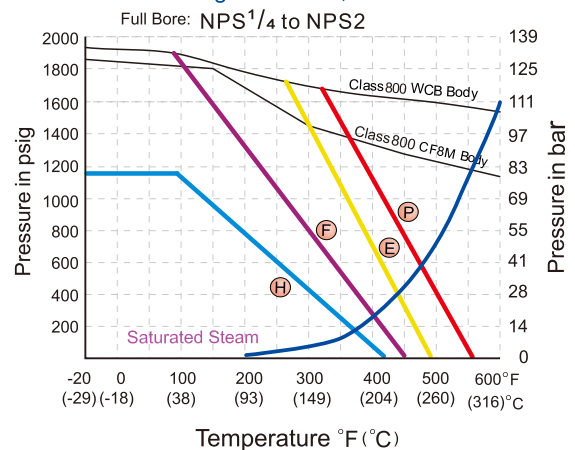
Floating Ball Valves, Class 150 / 300 / 600



Floating Ball Valves, 1000 PSI



Floating Ball Valves, 2000 PSI



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.