

**ASME Class 150
Wafer Type, Flanged Ends, Full Port**

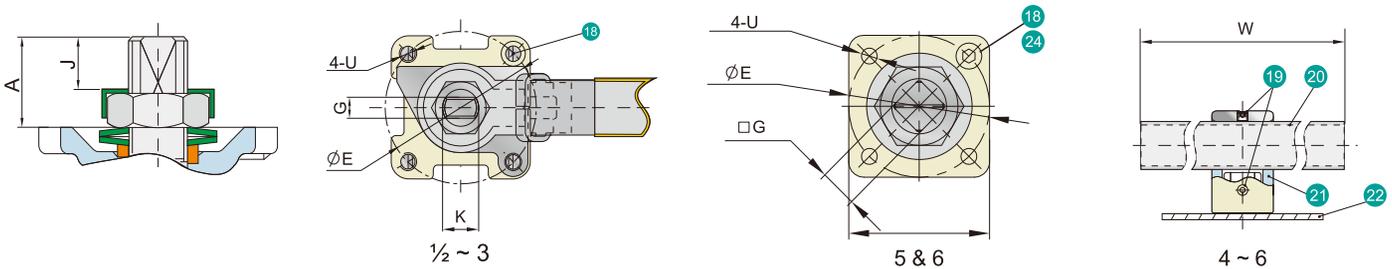
KV-071 (Bracket Mount Type)
KV-071F (Bracket Mount Type / Fire Safe Type)

DESIGN FEATURES:

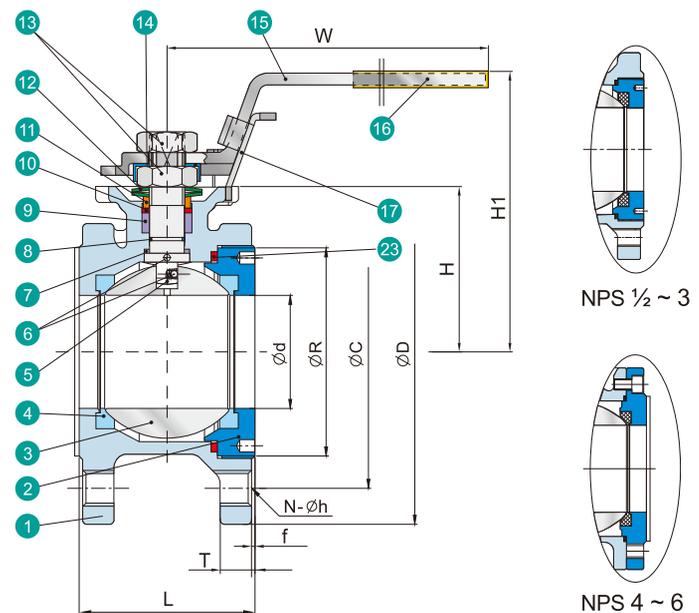
- **Fire Safe** Design Approved
- Built-in ISO 5211 Mounting Pad for Easy Automation
- **Ex** Anti-Static Devices for Ball-Stem-Body
- Blow-out Proof Stem
- Pressure Balance Hole in Ball Slot
- **TA-LUFT** **ISO15848-1** Design Approved
- Casting Approved by TÜV AD 2000-Merkblatt W0

APPLICABLE STANDARDS:

- Design : ASME B16.34
- Fire Safe : API 607 5th 2005, ISO 10497
- Wall Thickness : ASME B16.34
- Flanged Ends : ASME B16.5
- Inspection & Testing : API 598



NO.	PART NAME	MATERIALS		
1	Body	CF8M	CF8	WCB
2	End Cap	CF8M	CF8	WCB
3	Ball	CF8M	CF8	
4	Ball Seat	TFM1600 / PTFE / RTFE		
5	Stem	316	304	
6	Anti-Static Device	316	304	
7	Thrust Washer	TFM1600 / PTFE / RTFE		
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	Handle (NPS½ ~ 3)	304		
16	Handle Sleeve (NPS½ ~ 3)	VINYL PLASTIC		
17	Lock Device (NPS½ ~ 3)	304		
18	Stop Bolt	A2-70		
19	Set Screw (NPS4~6)	A193 - B8		
20	Handle (NPS4~6)	A53+Zn PLATED		
21	Handle Adapter (NPS4~6)	A351-CF8		
22	Triangle Stopper (NPS4~6)	304		
23	Body Gasket	PTFE / 316 SPIRAL WOUND+GRAPHITE*		
24	Stop Nut	A2-70		



*Materials for KV-071F (Fire-Safe Models)

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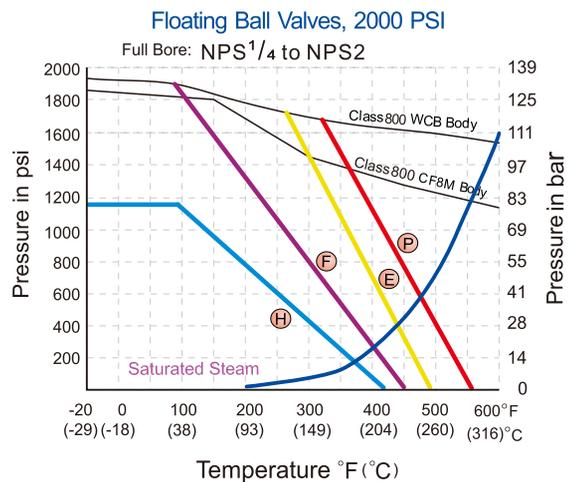
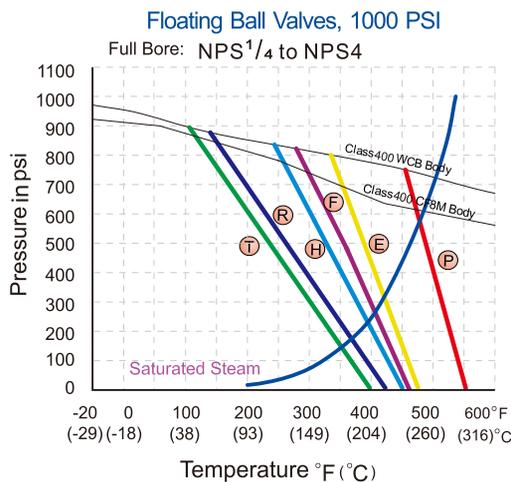
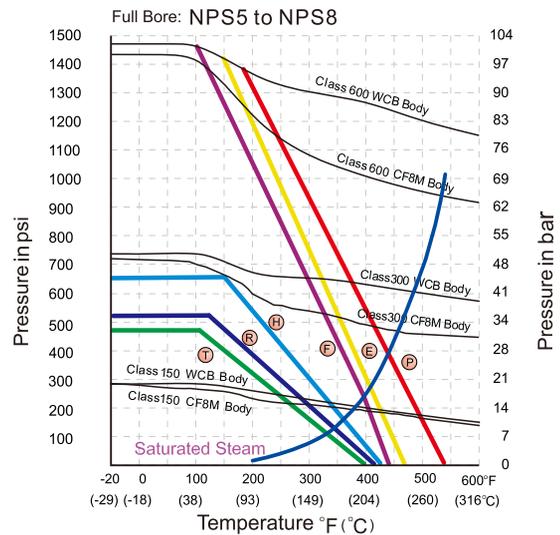
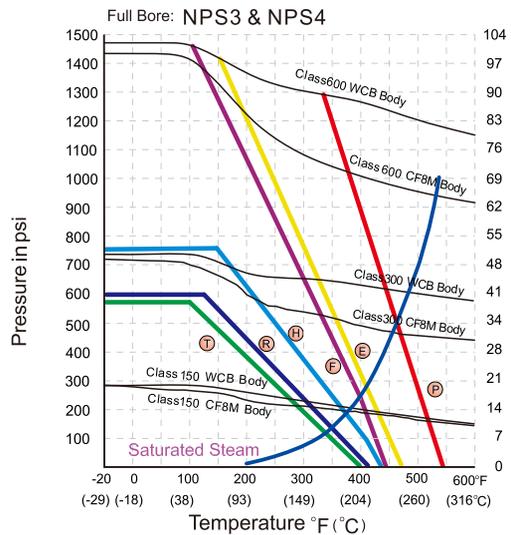
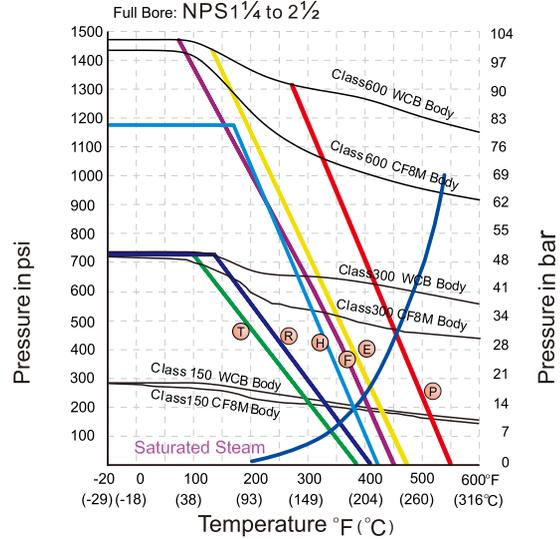
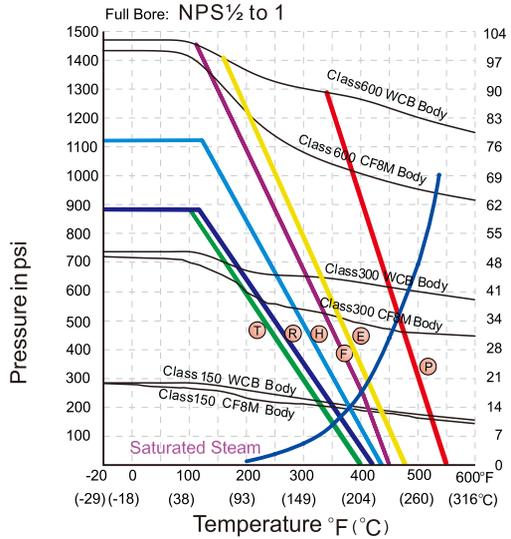
KV-071, KV-071F

Unit: mm

NPS	d	L	R	D	C	T	f	H	H1	N	h	W	G	A	J	U	E	K	ISO 5211
½	15.0	42	35.0	90	60.3	8.0	2	41	91	4	1/2"	137	6.3	17.0	8.1	M5	42	3/8-24UNF	F04
¾	20.0	44	43.0	100	69.9	8.9	2	44	94	4	1/2"	137	6.3	17.0	8.1	M5	42	3/8-24UNF	F04
1	25.0	50	50.8	110	79.4	9.6	2	47	99	4	1/2"	172	9.0	22.7	10.2	M6	50	9/16-18UNF	F05
1¼	32.0	60	63.5	115	88.9	11.2	2	52	104	4	1/2"	172	9.0	24.0	11.0	M6	50	9/16-18UNF	F05
1½	38.0	65	73.5	125	98.4	12.7	2	64	117	4	1/2"	202	9.6	25.8	13.9	M8	70	5/8-18UNF	F07
2	50.0	80	92.0	150	120.7	14.3	2	73	126	4	5/8"	202	9.6	23.9	13.9	M8	70	5/8-18UNF	F07
2½	63.5	110	105.0	180	139.7	15.9	2	88	153	4	5/8"	252	16.0	42.5	24.0	M10	102	7/8-14UNF	F10
3	76.0	120	127.0	190	152.4	17.5	2	97	162	4	5/8"	252	16.0	42.6	22.5	M10	102	7/8-14UNF	F10
4	100.0	150	157.3	230	190.5	22.3	2	117	212	8	5/8"	400	18.0	51.4	24.5	M10	102	11/8-12UNF	F10
5	125.0	195	186.0	255	215.9	22.3	2	175	255	8	3/4"	600	27.0	76.5	36.0	14	125	13/4-12UNF	F12
6	150.0	225	215.9	280	241.3	23.9	2	195	275	8	3/4"	800	27.0	76.5	36.0	14	125	13/4-12UNF	F12

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.