3-PC Body Sanitary Ball Valves
Full Port, 400 WOG, BW/Clamp Ends

KV-09C/I, KV-09C/D
KV-091/I, KV-091/D

FEATURES:

- For Food, Dairy and General Chemical Service Applications
- Blow-out Proof Stem
- Cavity Filled Seat Design
- Castings Approved by TÜV AD 2000-Merkllate W0
- Internal Polished Body and Ball Surface (Ra 32.uin/ 0.8.um)
- TA-LUFT ISO15848-1 Design Approved

▲ KV-09C

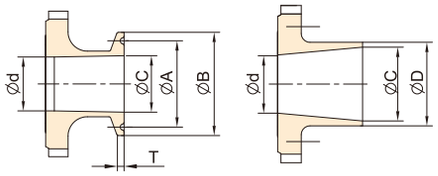
▲ KV-091

STANDARDS:

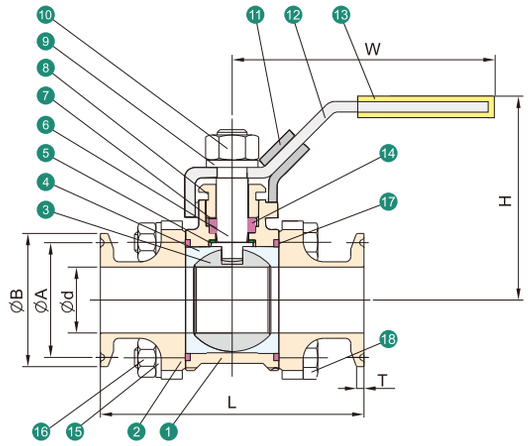
- Design Standard : MSS SP-110
- Clamp Ends : KV-09C/I ISO 2852
  KV-09C/D DIN32676
- Butt Weld Ends : KV-091/I ISO 2852
  KV-091/D DIN11850
- Inspection & Testing: MSS SP-110

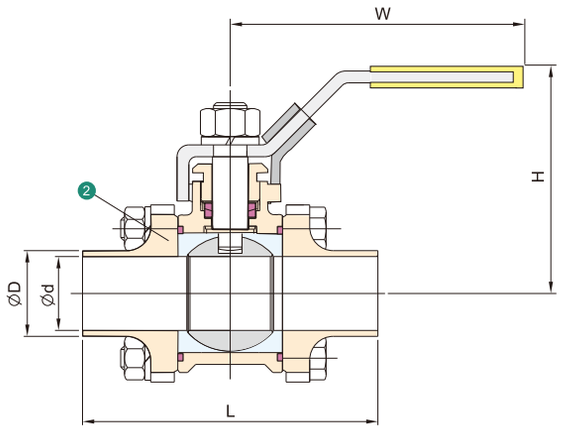
SPECIFICATIONS:

- Working Pressure: 400 WOG (25Bar) at 38°C (100°F)
- Temperature Range: -29°C to 200°C (-20°F to 392 °F)



KV-L9C/D DIN32676 Butt Weld Ends





NO.	PART NAME	MATERIALS		
1	Body	CF3M	CF8M	CF8
2	Cap (Clamp)	CF3M	CF8M	CF8
	Cap (Welding)	CF3M	CF3M	CF8
3	Ball	CF3M	CF8M	CF8
4	Ball Seat	PTFE / TFM 1600		
5	Thrust Washer	PTFE		
6	Stem	316L	316	304
7	Bushing	304		
8	Gland Nut	304		
9	Stem Washer	304		
10	Stem Nut	A194-8		
11	Locking Device	304		
12	Handle	304		
13	Handle Sleeve	Vinyl Plastic		
14	V-Ring Packing	PTFE		
15	Bolt Washer	304		
16	Nut	A194-8 / A2-70		
17	Body Gasket	PTFE		
18	Bolt	A193-B8 / A2-70		

Unit : mm

SIZE		KV-09C/I, ISO 2852				KV091/I, ISO 2037			KV-09C/D, DIN32676					KV091/D, DIN11850			L	H	W
NPS	DN	d	A	B	T	d	C	D	d	A	B	T	C	d	C	D			
½	15	10.7	27.5	34.0	2.85	10.7	10.7	12.7	10.7	27.5	34.0	2.85	16	10.7	16	19	90	59	100
¾	20	15.2	27.5	34.0	2.85	15.2	15.2	17.2	15.2	27.5	34.0	2.85	20	15.2	20	23	90	64	129
1	25	22.6	43.5	50.5	2.85	22.6	22.6	25.0	22.6	43.5	50.5	2.85	26	22.6	26	29	100	77	156
1¼	32	31.3	43.5	50.5	2.85	31.3	31.3	33.7	31.3	43.5	50.5	2.85	32	32.0	32	35	110	83	156
1½	40	35.6	43.5	50.5	2.85	35.6	35.6	38.0	35.6	43.5	50.5	2.85	38	35.6	38	41	125	96	183
2	50	48.6	56.5	64.0	2.85	48.6	48.6	51.0	48.6	56.5	64.0	2.85	50	48.6	50	53	150	105	183
2½	65	60.3	70.5	77.5	2.85	60.3	60.3	63.5	60.3	83.5	91.0	2.85	66	60.3	66	70	190	131	252
3	80	72.9	83.5	91.0	2.85	72.9	72.9	76.1	72.9	97.0	106.0	2.85	81	72.9	81	85	220	139	252

Pressure-Temperature Data

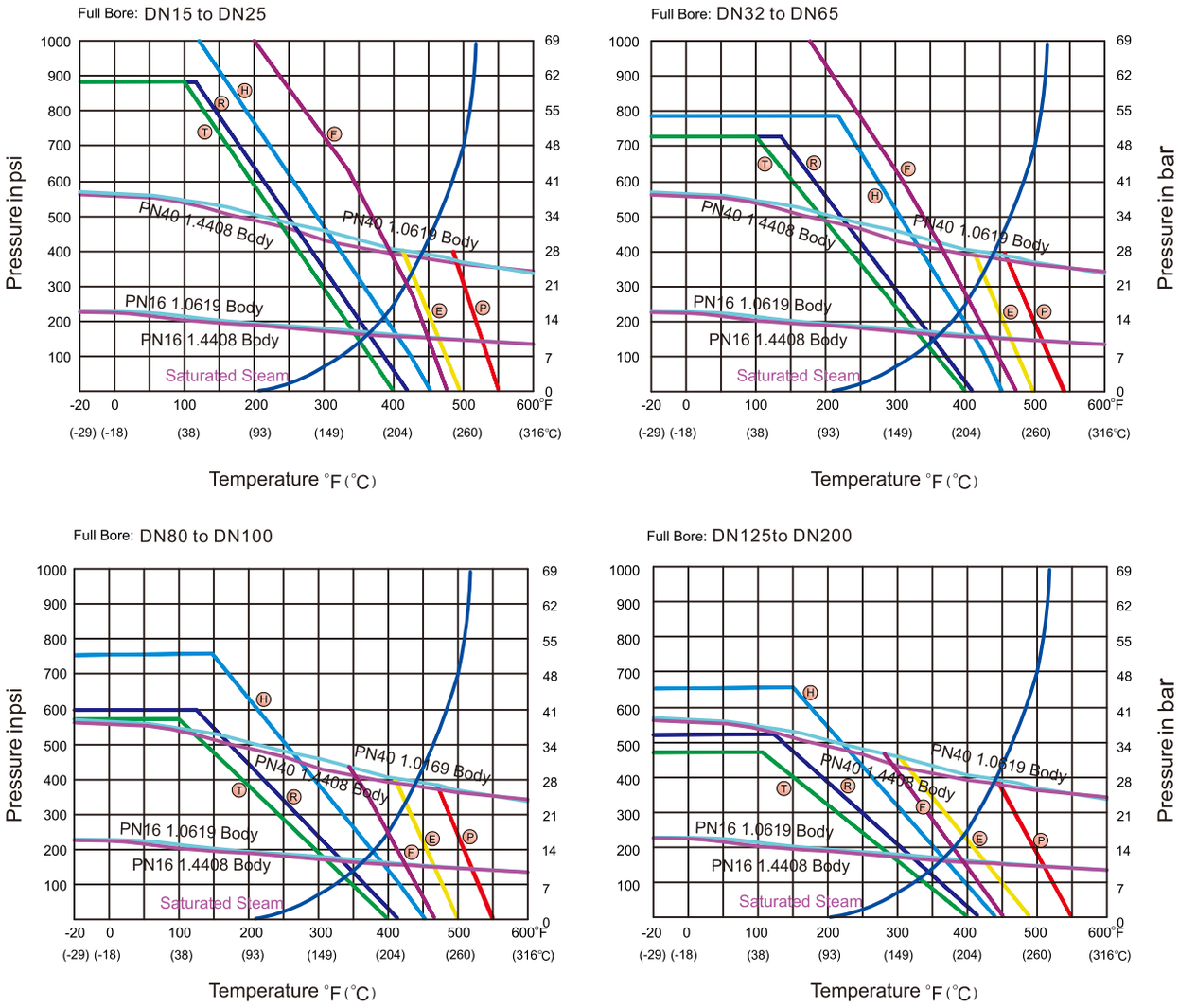
Floating Ball Valves, PN16 - 40

Pressure—Temperature Chart

Floating Ball valves ,PN16/40

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, PN16 / 40



Seat Materials : T=PTFE R=RTFE H=TFM1600 E=EK+PTFE P=PEEK F=TFM4215
H is standard seat material for KI ball valves,
Specify others materials when required.

Body Ratings : Shown above are for EN10213 Nr, 1.4408 and EN 10213 Nr. 1.0619
For ratings of other valve shell materials, please refer to the last edition of EN12516-1.