

3-PC Casting Ball Valve Full Port, Direct Mount, 2000-1500 WOG, High Performance

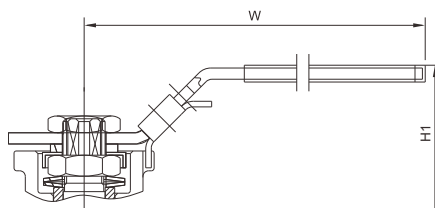
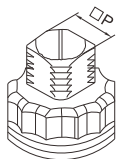
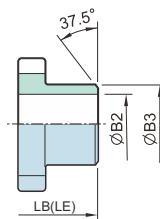
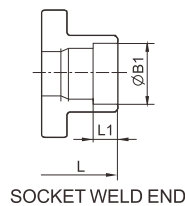
KV-L80, KV-L81, KV-L81-L, KV-L82 (Direct Mount Type)
KV-L80F, KV-L81F, KV-L81F-L, KV-L82F (Direct Mount Type / Fire Safe Type)

FEATURES:

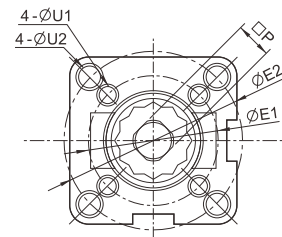
- **Fire Safe** Design Approved
- Built-in ISO 5211 Direct Mounting Pad for Easy Automation
- Anti-Static Devices for Ball-Stem-Body
- Blow-out Proof Stem
- Pressure Balance Hole In Ball Slot
- Pre-Load 2 Belleville Washers to Self-adjust Packing
- Double Stem Sealing Acc. to TA-Luft
- Casting Approved by TÜV AD 2000 Merkblatt W0
- Options: 1. Actuator 2. Limit Switch 3. Positioner

STANDARDS:

- Design: MSS SP-110
2000 WOG for 1/4" ~ 1"
1500 WOG for 1-1/4" ~ 2"
- Fire Safe: API 607 5th 2005, ISO 10497
- Pipe Thread **KV-L80**: ASME B1.20.1
DIN 2999 / 259, ISO 228 / 1
JIS B 0203, ISO 7 / 1
- Butt Weld **KV-L81**: ASME B16.25 (ØB2 Sch 80)
- Extended Butt Weld **KV-L81-L**: ASME B16.25 (ØB2 Sch 80)
- Socket Weld **KV-L82**: ASME B16.11
- Inspection & Testing: MSS SP-110

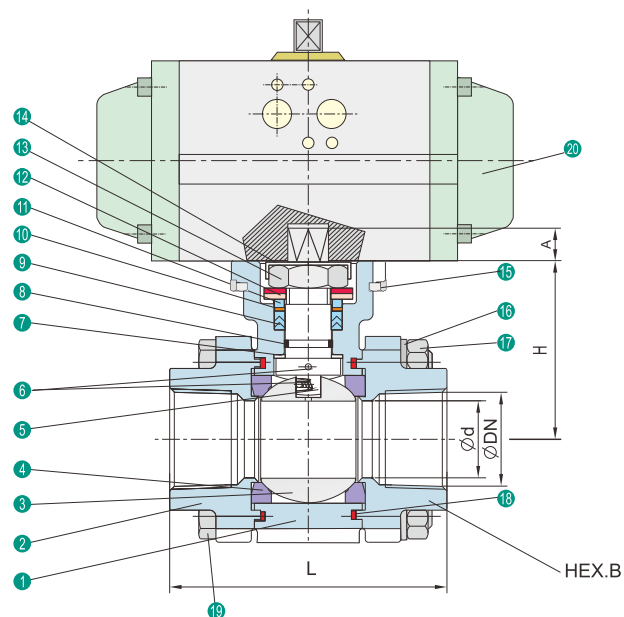


SIZE: 1/4" ~ 2"



NO.	PART NAME	MATERIALS		
1	Body	CF8M	CF8	WCB
2	Cap(Thread)	CF8M	CF8	WCB
	Cap(Welding)	CF3M	CF3	
3	Ball	CF8M	CF8	
4	Ball Seat	TFM4215		
5	Stem	316	304	
6	Anti-Static	316	304	
7	Thrust Washer	PTFE		
8	O-Ring	FKM		
9	Stem Packing	PTFE/GRAFOIL *		
10	Bushing	50%SS+50%PTFE/SUS 304*		
11	Gland	316		
12	Belleville Washer	301		
13	Stem Nut	A194-8		
14	Stop-lock-Cap	304		
15	Bolt	A2-70		
16	Bolt Washer	304		
17	Bolt Nut	A194-8 / A2-70		
18	Body Gasket	PTFE/GRAFOIL *		
19	Bolt	A193-B8 / A2-70		
20	Actuator	Pneumatic KP / Electric KQ		

*Materials for FIRE-SAFE Models



Unit: mm

SIZE	d	L	LB	LE	H	H1	W	E1	E2	P	U1	U2	A	L1	B1	B2	B3	HEX.B	ISO 5211
1/4"	10.6	75	70	165	43.0	83.0	135.0	36	42	9	6	6	7	10	14.0	7.6	18	23.5	F03-F04
3/8"	12.7	75	70	165	43.0	83.0	135.0	36	42	9	6	6	7	10	17.8	10.7	18	23.5	F03-F04
1/2"	15.0	75	75	165	43.0	83.0	135.0	36	42	9	6	6	7	10	21.8	13.9	22	28.0	F03-F04
3/4"	20.0	80	90	190	50.0	77.0	135.0	36	50	9	6	7	9	13	27.1	18.8	28	34.0	F03-F05
1"	25.0	90	100	216	58.0	87.5	170.0	42	50	11	6	7	11	13	33.8	24.3	34	46.0	F04-F05
1-1/4"	32.0	110	110	229	63.0	103.0	170.0	42	70	11	6	9	11	16	42.6	32.5	43	55.0	F04-F07
1-1/2"	38.0	120	125	241	74.5	106.0	200.0	50	70	14	7	9	14	16	48.6	38.1	50	57.0	F05-F07
2"	50.0	140	150	292	85.0	117.0	200.0	50	70	14	7	9	14	17	61.2	49.2	61	73.0	F05-F07