



Kingdom

FLOW CONTROL CO., LTD.

Double Block & Bleed Ball Valve 3-PC, 2000-1500 WOG, Direct Mount Type

KV-L80-DBB, KV-L81-DBB, KV-L82-DBB
KV-L80F-DBB, KV-L81F-DBB, KV-L82F-DBB (Fire Safe)

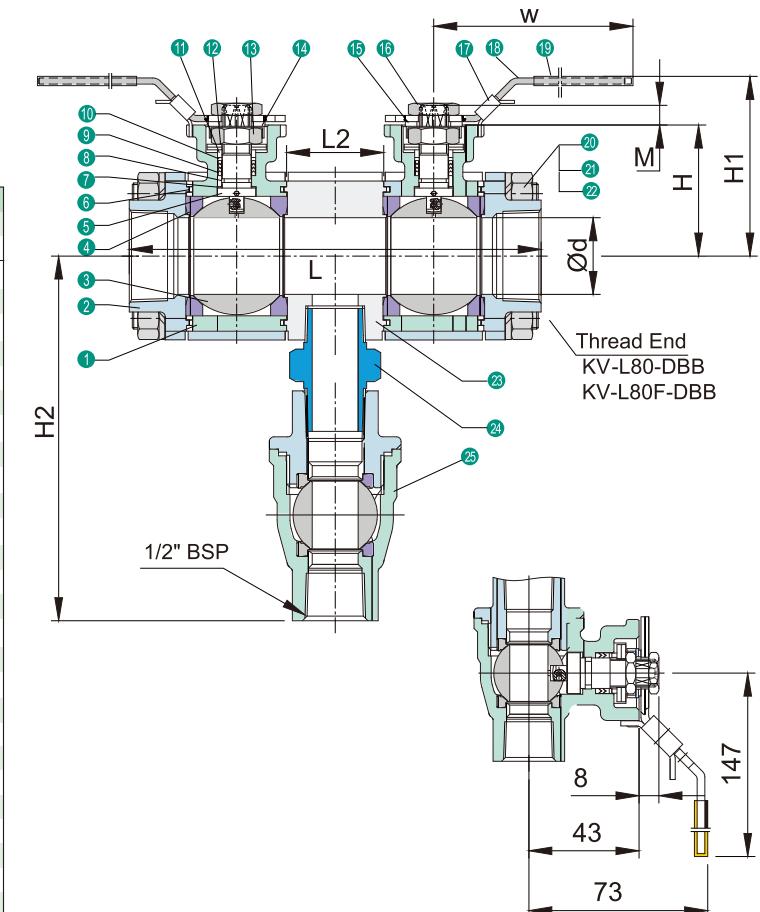
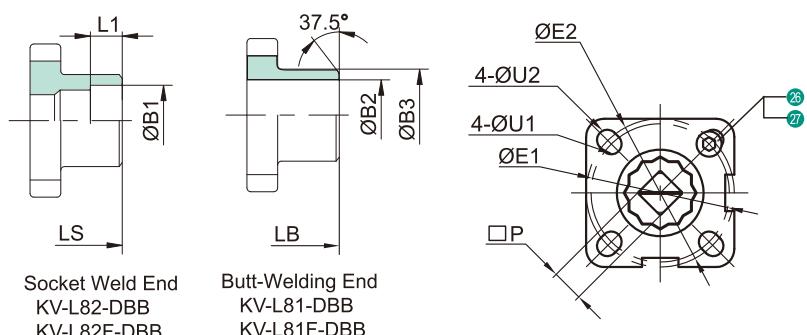
FEATURES:

- **Fire Safe** Design
- Built-in ISO 5211 Direct Mounting Pad for Easy Automation
- **Ex** Anti-Static Devices for Ball-Stem-Body
- Blow-out Proof Stem
- Pressure Balance Hole In Ball Slot
- Casting Approved by TÜV AD 2000 Merkblatt W0
- Options: 1. Actuator 2. Limit Switch 3. Positioner

STANDARDS:

- Design: MSS SP-110
- Wall Thickness: EN12516-3
- Pipe Thread(KV-L80-DBB): ASME B1.20.1, BS21
DIN 2999/259, ISO 228/1
JIS B0203 ISO7/1

- Butt Weld(KV-L81-DBB): ASME B16.25(ØB2 Sch80), EN 12627
- Socket Weld(KV-L82-DBB): ASME B 16.11
- Inspection & Testing: MSS SP-110



NO.	PART NAME	MATERIALS		
1	Body	CF8M(1.4408)	CF8(1.4308)	WCB(1.0619)
2	End Cap (Thread)	CF8M(1.4408)	CF8(1.4308)	WCB(1.0619)
3	End Cap (BW/SW)	CF3M(1.4409)	CF8(1.4308)	WCB(1.0619)
4	Ball	CF8M	CF8	
5	Ball Seat	TFM1600/TFM4215		
6	Stem(Anti-Static)	316	304	
7	Body Gasket	PTFE / TFM1600 / GRAPHITE*		
8	Thrust washer	PTFE / TFM1600 / RTFE		
9	O-Ring	FKM		
10	Packing	PTFE / GRAPHITE*		
11	Bushing	50%SS+50%PTFE/304*		
12	Gland	316		
13	Belleville Washer	301		
14	Stem Nut	A194-8		
15	Stop-lock-Cap	304		
16	Handle Gland	304		
17	Handle Nut	A194-8		
18	Lock Device	304		
19	Handle	304		
20	Handle Sleeve	VINYL PLASTIC		
21	Bolting	A193-B8 / A2-70		
22	Bolt Nut	A194-8 / A2-70		
23	Bolt Washer	304		
24	Link Block	CF8M(1.4408)	CF8(1.4308)	WCB(1.0619)
25	Hex. Nipple 1/2" BSP	CF8M(1.4408)	CF8(1.4308)	WCB(1.0619)
26	Drain (KV-L20H NPS1/2BSP)	CF3M(1.4409)	CF8(1.4308)	WCB(1.0619)
27	Stop Bolt	A2-70		
	Stop Nut	A2-70		

*Materials for KV-L80F/L81F/L82F-DBB Series (Fire Safe Models)

ANSI 2000WOG DIMENSION TABLE

Unit: mm

DN	NPS	d	L	LS	LB	L2	H	H1	H2	W	E1	E2	P	U1	U2	M	L1	B1	B2	B3	HEX.B	ISO 5211
8	1/4	10.6	135.6	130.6	130.6	33	43.0	73.0	121	147	36	42	9	6	6	9	10	14.2	7.6	18	28.0	F03-F04
10	3/8	12.7	135.6	130.6	130.6	33	43.0	73.0	121	147	36	42	9	6	6	9	10	17.8	10.7	18	28.0	F03-F04
15	1/2	15.0	135.6	135.6	135.6	33	43.0	73.0	121	147	36	42	9	6	6	9	10	21.8	13.9	22	28.0	F03-F04
20	3/4	20.0	144	144	154	33	51.0	81.0	126	147	36	50	9	6	7	9	13	27.3	18.8	28	34.0	F03-F05
25	1	25.0	158	158	168	33	58.0	90.0	128	177	42	50	11	6	7	11	13	34.0	24.3	34	46.0	F03-F05

ANSI 1500WOG DIMENSION TABLE

Unit: mm

DN	NPS	d	L	LS	LB	L2	H	H1	H2	W	E1	E2	P	U1	U2	M	L1	B1	B2	B3	HEX.B	ISO 5211
32	1 1/4	32	194	194	194	40	63.0	95	134	177	42	70	11	6	9	11	13	42.8	32.5	43	55.0	F04-F07
40	1 1/2	38	215.4	215.4	220.4	40	75.0	107	140	197	50	70	14	7	9	14	13	48.8	38.1	50	57.0	F05-F07
50	2	50	257.3	257.3	267.3	52	86.0	118	149	197	50	70	14	7	9	14	16	61.2	49.2	61	73.0	F05-F07