

**MATERIAL OF CONSTRUCTION**

NO.	PART	MATERIAL		
		ANSI	ANSI	ANSI
1	Body	A351-CF8M	A351-CF8	A216-WCB
2	End Cap	A351-CF8M	A351-CF8	A216-WCB
3	Ball	A351-CF8M	A351-CF8	
4	Ball Seat	TFM1600 / PTFE / RTFE		
5	Bolting	A193-B8		A193-B7
6	Stem	316	304	
7	Anti-Stastic	316	304	
8	Thrust Washer	PTFE		
9	Stem Packing	PTFE / GRAFOIL*		
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 Nut (1/2" ~ 2-1/2")	A194-8		
16	Lever (1/2" ~ 2-1/2")	304		
17	Handle Sleeve	VINYL PLASTIC		
18	Lock Device (1/2" ~ 2-1/2")	304		
19	Body Gasket	PTFE / 316 SPIRAL WOUND+GRAFOIL*		
20	Bolt Nut	A194-8	A194-2H	
21	Pipe Handle (3" ~ 8")	A53+Zn PLATED		
22	Handle Adapter (3" ~ 8")	A351-CF8		
23	Set Screwed (3" ~ 8")	A2-70		
24	O-Ring	FKM (VITON)		
25	Bolting (3" ~ 8")	A2-70		
26	Stop Bolt	A2-70		
27	Nameplate	304		
28	Worm Gear	Package		
29	Support Washer	304		
30	Stop Nut	A2-70		

\*Materials for KV-L60 (Fire Safe Type)

## EN PN 10-40 2-PC Body, Flanged Ends, Full Port

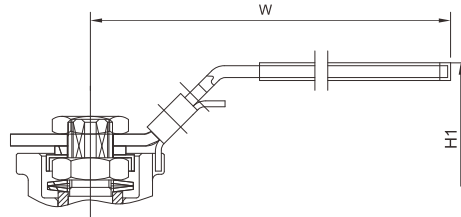
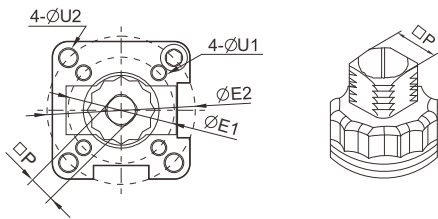
KV-L4J, KV-L4K, KV-L4M, KV-L4N (Direct Mount Type / Standard Type)  
KV-L6J, KV-L6K, KV-L6M, KV-L6N (Direct Mount Type / Fire Safe Type)

### DESIGN FEATURES:

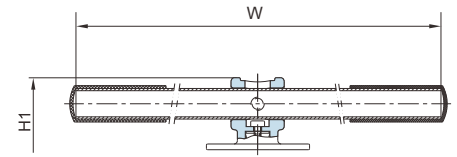
- Built-in ISO 5211 Direct Mounting Pad for Easy Automation
- **Fire Safe** Design Approved
- Anti-Static Devices for Ball-Stem-Body
- Blow-out Proof Stem
- Pressure Balance Hole in Ball Slot
- **TA-LUFT** Design Approved
- Casting Boss on Body for Draining
- Options : 1. Actuator 2. Limit Switch 3. Positioner

### APPLICABLE STANDARDS:

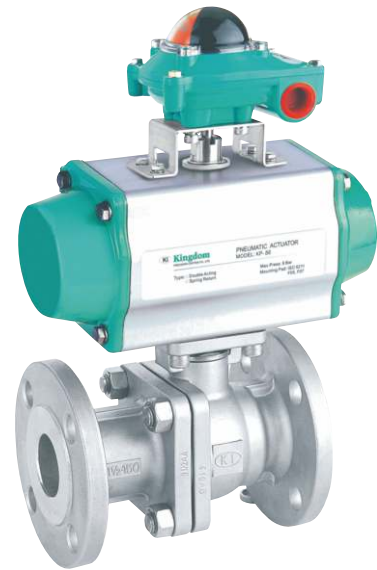
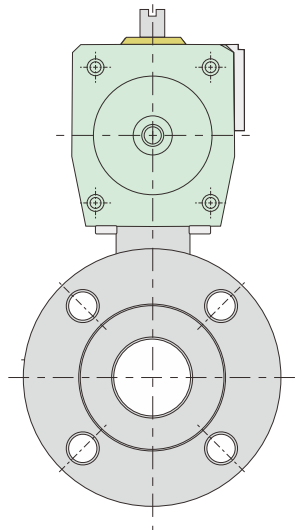
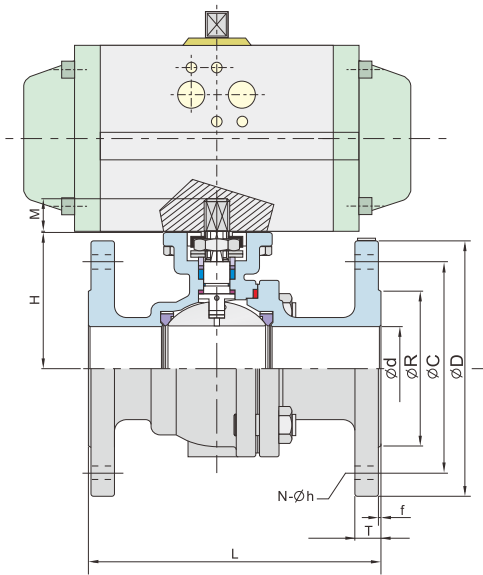
- Design Rating : DIN 3357 / 1,2, EN 12516-1
- Fire Design : API 607 5<sup>th</sup> 2005, ISO 10497
- Face to Face : \*L - DIN 3202 F17 (F1 DN15~DN100 / F7 DN125~DN200)  
L - DIN F18 (F4 DN15~DN100 / F5 DN125~DN200)  
\*L - EN 558 Series28  
L - EN 558 Series27
- Wall Thickness : ASME B16.34, EN12516-1
- Flanged Ends : EN1092-1 PN10-PN40
- Inspection & Testing : DIN 3230/3, EN 12266



SIZE: DN 15 ~ DN 65



SIZE: DN 80 ~ DN 200



### ■ EN PN10/16/25/40 (F1/F7, F4/F5)

Unit: mm

SIZE	PN	d	L	*L	R	D	C	f	T	N	h	H	B2	W	M	P	U1	U2	E1	E2	ISO 5211				
DN15	1/2"	10	15.0	115	130	45	95	65	2	16	4	14	48	78	145.0	9	9	6	6	36	42	F03-F04			
DN20	3/4"	10	20.0	120	150	58	105	75	2	18	4	14	53	84	145.0	9	9	6	6	36	42	F03-F04			
DN25	1"	16	25.0	125	160	68	115	85	2	18	4	14	59	90	175.0	11	11	6	7	42	50	F04-F05			
DN32	1-1/4"	25	32.0	130	180	78	140	100	2	18	4	18	71	102	175.0	11	11	6	7	42	50	F04-F05			
DN40	1-1/2"	40	38.0	140	200	88	150	110	3	18	4	18	76	110	190.0	14	14	7	9	50	70	F05-F07			
DN50	2"	40	50.0	150	230	102	165	125	3	20	4	18	85	118	190.0	14	14	7	9	50	70	F05-F07			
DN65	2-1/2"	10/16	63.5	170	290	122	185	145	3	18	4	18	102	150	265.0	17	17	9	11	70	102	F07-F10			
		25/40																					107	155	
DN80	3"	10/16	76.0	180	310	138	200	160	3	20	8	18	112	176	300.0	17	17	9	11	70	102	F07-F10			
		25/40																					117	181	
DN100	4"	10/16	100.0	190	350	158	220	180	3	20	8	18	140	210	400.0	22	22	N/A	11	N/A	102	F10			
		25/40																					162	235	190
DN125	5"	10/16	125.0	325	400	188	250	210	3	22	8	18	183	263	600.0	27	27	14	N/A	125	N/A	F12			
		25/40																					212	270	220
DN150	6"	10/16	150.0	350	450	212	285	240	3	22	8	22	204	284	800.0	27	27	14	N/A	125	N/A	F12			
		25/40																					218	300	250
DN200	8"	10	200.0	400	550	268	340	295	3	24	8	22	253	334	800.0	27	27	14	N/A	125	N/A	F12			
		16																					30	12	26
		25																					30	12	26
		40																					34	12	30

**KV-L4J, KV-L6J** - **PN10**  
**KV-L4K, KV-L6K** - **PN16**

**KV-L4M, KV-L6M** - **PN25**  
**KV-L4N, KV-L6N** - **PN40**

"L" for Series F4/F5  
"\*L" for Series F1/F7