

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		

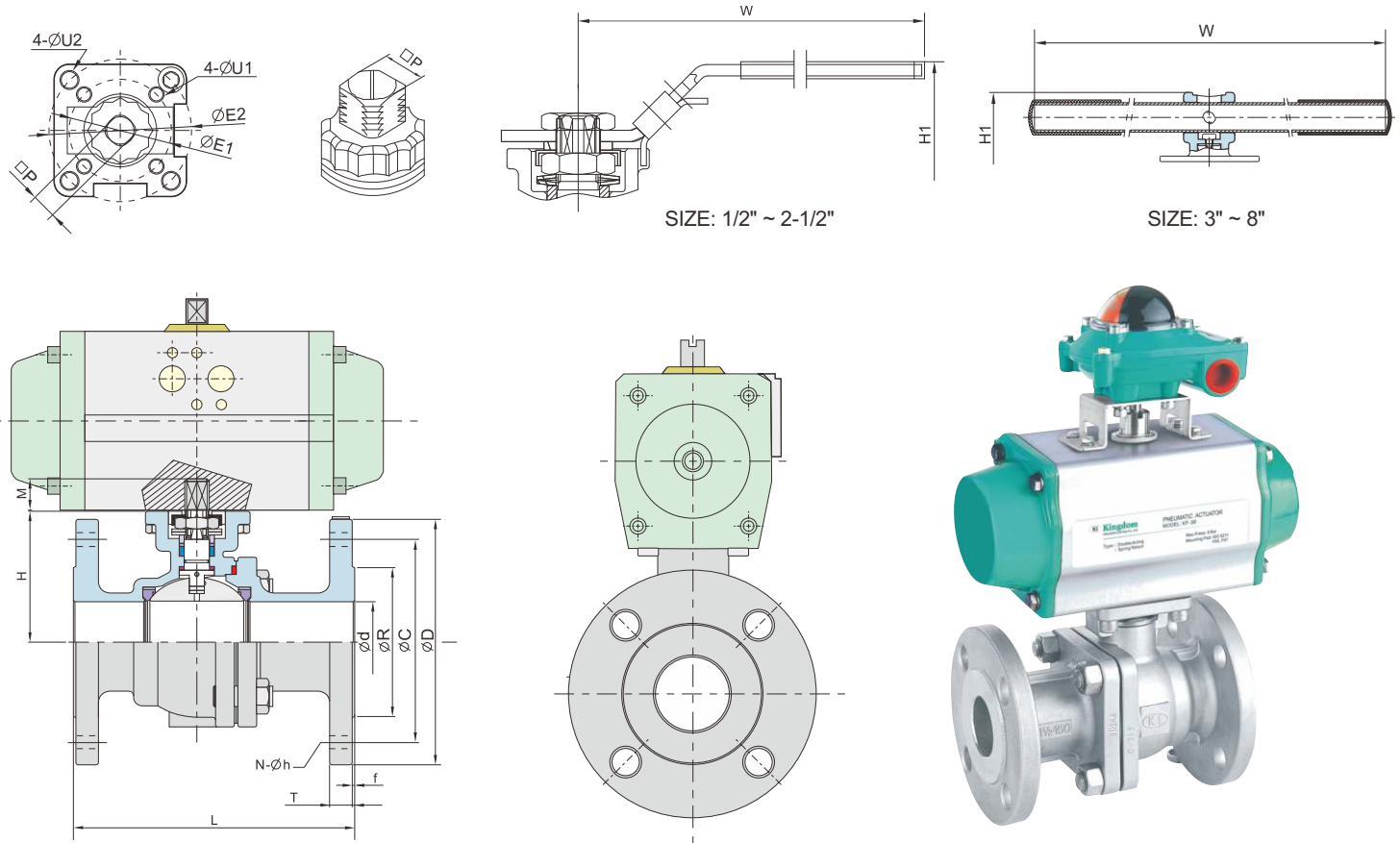
*Materials for KV-L60 (Fire Safe Type)

DESIGN FEATURES:

- Built-in ISO 5211 Direct Mounting Pad 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 : ASME B16.34
- Fire Safe : API 607 5th 2005, ISO 10497
- Face to Face : ASME B16.10
- Wall Thickness : ASME B16.34
- Flanged Ends : ASME B16.5
- Inspection & Testing : API 598, API 6D



ASME CLASS 150

KV-L41, KV-L61

Unit: mm

SIZE	d	L	R	D	C	T	f	N	h	H	H1	W	M	P	U1	U2	E1	E2	ISO 5211
1/2"	15	108	35.0	90	60.3	8.0	2	4	16.0	48	78	145	9	9	6	6	36	42	F03-F04
3/4"	20	117	43.0	100	69.9	8.9	2	4	16.0	53	84	145	9	9	6	7	36	50	F03-F05
1"	25	127	51.0	110	79.4	9.6	2	4	16.0	59	90	175	11	11	6	7	42	50	F04-F05
1-1/4"	32	140	63.5	115	88.9	11.2	2	4	16.0	71	102	175	11	11	6	9	42	70	F04-F07
1-1/2"	38	165	73.2	125	98.4	12.7	2	4	16.0	76	110	190	14	14	7	9	50	70	F05-F07
2"	50	178	92.0	150	120.7	14.3	2	4	19.0	82	115	190	14	14	7	9	50	70	F05-F07
2-1/2"	63	190	104.7	180	139.7	15.9	2	4	19.0	102	150	265	17	17	9	11	70	102	F07-F10
3"	76	203	127.0	190	152.4	17.5	2	4	19.0	112	176	300	17	17	9	11	70	102	F07-F10
4"	100	229	157.0	230	190.5	22.3	2	8	19.0	140	211	400	22	22	N/A	11	N/A	102	F10
5"	125	356	186.0	255	215.9	22.3	2	8	22.3	183	263	600	27	27	14	N/A	125	N/A	F12
6"	150	394	216.0	280	241.3	23.9	2	8	22.3	204	284	800	27	27	14	N/A	125	N/A	F12
8"	200	457	270.0	345	298.5	27.0	2	8	22.3	253	334	800	27	27	14	N/A	125	N/A	F12

ASME CLASS 300

KV-L42, KV-L62

Unit: mm

SIZE	d	L	R	D	C	T	f	N	h	H	H1	W	M	P	U1	U2	E1	E2	ISO 5211
1/2"	15	140	35.0	90	66.7	12.7	2	4	16.0	49.0	79	145	9	9	6	6	36	42	F03-F04
3/4"	20	152	43.0	115	82.6	14.3	2	4	19.0	58.5	89	145	9	9	6	6	36	42	F03-F04
1"	25	165	51.0	125	88.9	15.9	2	4	19.0	63.5	95	175	11	11	6	7	42	50	F04-F05
1-1/4"	32	178	63.5	135	98.4	17.5	2	4	19.0	71.0	102	175	11	11	6	7	42	50	F04-F05
1-1/2"	38	190	73.2	155	114.3	19.1	2	4	22.3	80.0	113	190	14	14	7	9	50	70	F04-F07
2"	50	216	92.0	165	127.0	20.7	2	8	19.0	85.0	118	190	14	14	7	9	50	70	F05-F07
2-1/2"	63	241	104.7	190	149.2	23.9	2	8	22.3	102.0	150	265	17	17	9	11	70	102	F07-F10
3"	76	282	127.0	210	168.3	27.0	2	8	22.3	112.0	176	300	17	17	9	11	70	102	F07-F10
4"	100	305	157.0	255	200.0	30.2	2	8	22.3	140.0	211	400	22	22	N/A	11	N/A	102	F10
5"	125	381	186.0	280	235.0	33.4	2	8	22.3	183.0	263	600	27	27	14	N/A	125	N/A	F12
6"	150	403	216.0	320	269.9	35.0	2	12	22.3	204.0	284	800	27	27	14	N/A	125	N/A	F12
8"	200	502	270.0	380	330.2	39.7	2	12	25.4	253.0	334	800	27	27	14	N/A	125	N/A	F12