



GVK(KSM) BALL VALVE

Total Engineering Solution Service

Mission

기초에 근거하여 원천 기술을 살리고 원천 기술을
극대화하여 세계 중심에 서는 것

To stand at the centre of the world by
utilizing original technology based on the
foundation and maximizing original technology

Vision

우리는 옳은 일과 가치 있는 일에 주저함이 없이
최선을 다하고 실천하여 세계의 중심에 서자

Let us put ourselves at the center of the world by
doing our best and not hesitating to stand up for
what is right and worthy



GLOBAL VISION KOREA





Valve Product Service



GVK Limited, founded in June 2020 by a leader with 38 years of experience, focuses on R&D while ensuring quality, price, and functionality through domestic production. The company offers Process Valves, Valve Equipment, and Total Engineering services for industries such as Gas, Refining, Petroleum, Power generation, Environment, and Water treatment.

With a management team possessing 30-40 years of experience, GVK has developed numerous patents and adheres to quality standards like ISO 9001, 14001, 45001, and CE. Recognized for its advanced automatic control valves, GVK also supplies a range of Control Valves globally through OEM and ODM partnerships.

Although still in the early design and manufacturing stages, GVK has emerged as a leading company in Korea, equipped with skilled personnel and testing capabilities. The company aims to lower production costs, enhance efficiency, and improve quality while accumulating Hyper-Intelligence Valve Engineering (HIVE) technology. GVK Limited is committed to meeting customer needs with competitive pricing and high value-added services.

The Professional Provider of Automatic valve Actuators



Mutually Beneficial Relationships



To Be Your Best Partner



Twenty years experience "one stop" goods and services





KSM SERIES

Ball Valve

Total Engineering Solution Service



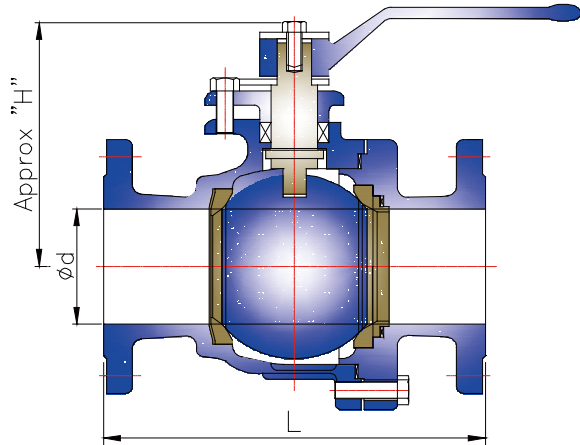
GVK / KSM Series Ball Valve

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FLOATING BALL VALVE



BASIC MATERIALS

PART NAME	CARBON STEEL	STAINLESS STEEL
BODY	A216-WCB, A352-LCC	A351-CF8, CF8M
BALL	A351-CF8, CF8M	
SEAT	RTFE, DEVLON, METAL	

PRODUCTION SPECIFICATIONS

BASIC DESIGN	API 6D & ASME B16.34
FACE TO FACE	ASME B16.10
END FLANGE	ASME B16.5
TEST & INSPECTION	API 6D & API 598

◆ CLASS 150 DIMENSIONS Full Bore

Unit : inch/mm

NPS	1/2	3/4	1	1.1/2	2	3	4	6	8	10	12	14	16	18	20	24
Bore (Ød)	13	19	25	38	51	76	102	152	203	254	305	337	387	438	489	591
L	4.3	4.6	5	6.5	7	8	9	15.5	18	21	24	27	30	34	36	42
	108	117	127	165	178	203	229	394	457	533	610	686	762	864	914	1067
H	3.7	3.9	4	5	5.3	6.2	7.5	12.2	14.5	18.9	21.3	19.1	20.6	23.1	25.4	27.9
	94	99	102	127	135	160	192	310	370	480	540	486	524	586	646	708
Cv Value	26	61	113	270	470	1250	2250	5200	9550	15050	23050	—	—	—	—	—

• Other material & size is available upon request. Please contact sales office for other size.

FLOATING

◆ CLASS 300 DIMENSIONS Full Bore

Unit : inch/mm

NPS	1/2	3/4	1	1.1/2	2	3	4	6	8	10	12	14	16	18	20	24
Bore	13	19	25	38	51	76	102	152	203	254	305	337	387	438	489	584
L	5.5	6	6.5	7.5	8.5	11.1	12	15.9	19.8	22.4	25.5	30	33	36	39	45
	140	152	165	191	216	283	305	403	502	568	648	762	838	914	991	1143
H	3.7	3.9	4	5	5.3	6.3	8.1	12.2	14.5	18.9	17.9	19.1	20.6	23.1	25.4	27.9
	94	99	102	127	135	160	206	310	370	480	455	486	524	586	646	708
Cv Value	26	61	113	270	470	1100	2150	5150	9450	15050	—	—	—	—	—	—

• Other material & size is available upon request. Please contact sales office for other size.

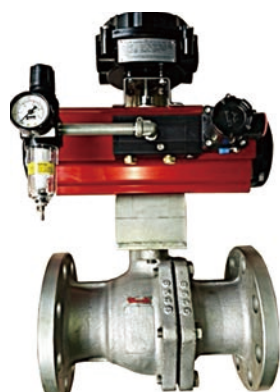
◆ CLASS 600 DIMENSIONS Full Bore

Unit : inch/mm

NPS	1/2	3/4	1	1.1/2	2	3	4	6	8	10	12	14	16	20
Bore	13	19	25	38	51	76	102	152	200	248	298	327	375	464
L	6.5	7.5	8.5	9.5	11.5	14	17	22	26	31	33	35	39	47
	165	190	210	241	292	356	432	559	660	787	838	889	991	1194
H	3.8	4.2	4.6	5.5	6.2	7.7	9.4	11.6	26.1	31.1	33.1	35.1	39.1	47.2
	98	106	116	141	159	197	240	296	663	790	841	892	993	1199
Cv Value	21	44	75	239	450	1050	1900	4650	—	—	—	—	—	—

• Other material & size is available upon request. Please contact sales office for other size.

▼ CLASS 150



▼ CLASS 300



▼ CLASS 600



FLOATING BALL VALVE FEATURES

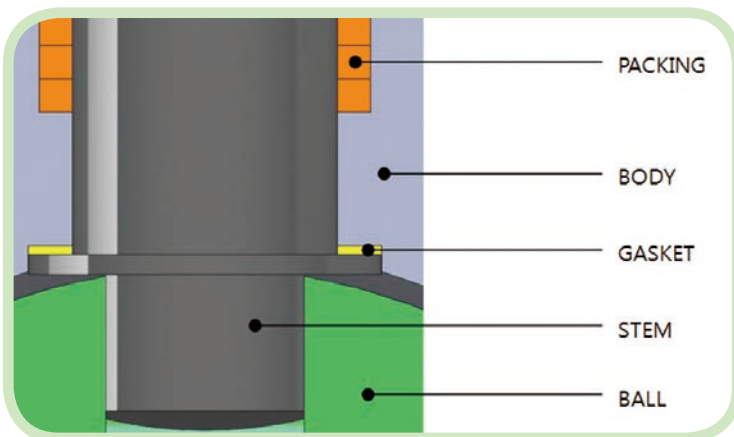
◆ FLOATING BALL VALVE FEATURES

GVK KSM Series Floating ball valves are designed in accordance with API 608 or ISO 17292 (BS5351) for ANSI Class ratings 150 to 2500, Nominal sizes from 1/2" to 12". Valves have been designed for use with various combinations of materials such as: Carbon Steel, Low Carbon Steel, Special Alloy, Stainless Steel, Monel, inconel.

BODY JOINT CONSTRUCTION

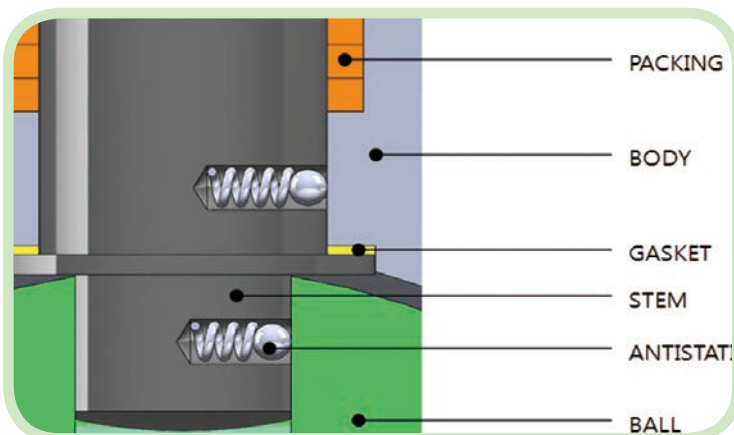
The one piece unibody end entry design, Graphite ring or Oring, (upon request) seals ensure absolute seal integrity. The two piece bolted body designs include a tight toleranced overlapping metal fit between the body and the adapter to minimize any possibility of movement due to pipeline stress. A special high temperature spiral wound stainless steel/ grafoil filled gasket is utilized for absolute seal. This gasket is encapsulated by the body and adapted on all four sides. Body and adaptors are dimensioned for metal contact to ensure correct gasket crush.

BLOW-OUT PROOF STEM



Stem is made separately from the ball, anti blow-up design with suit-able PTFE and graphite rings and antistatic device. The lower end of the stem is designed with an integral collar to be blowoutproof. It also functions as the backseat for assured stem sealing. (FIG.1)

ANTI-STATIC DEVICE



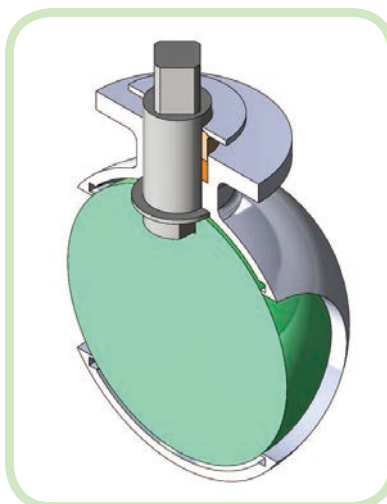
All floating flanged ball valves include dual grounding systems from stem to ball and stem to body. Valve testing to ISO 17292 (BS 5351) was performed for all sizes, and witnessed by a third party inspection company. An antistatic feature is provided to ensure electrical continuity for assured stem sealing. (FIG2)

FLOATING FEATURES

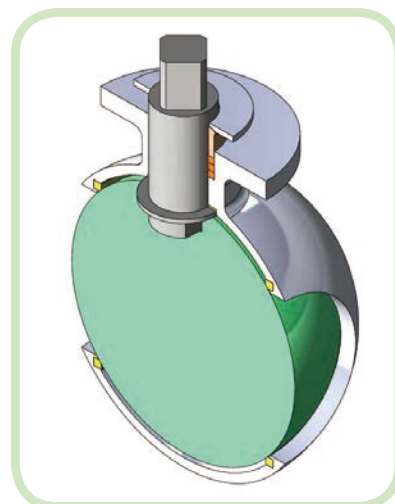
◆ FIRE SAFETY

All fire-safe valves conform to API 607 and API 6FA standards. When a fire accident occurs at a jobsite where the valve is operating, components such as seat ring, stem backseat, stem packing and midflange gasket which made of non-metallic material such as PTFE were broken or destroyed. However, GVK'S particularly metal to metal added seal seated designed ball valves can effectively control

external or internal leakage. GVK'S soft seated fire safety designed as follows. (FIG.4~7)



[Before Fire]



[After Fire]

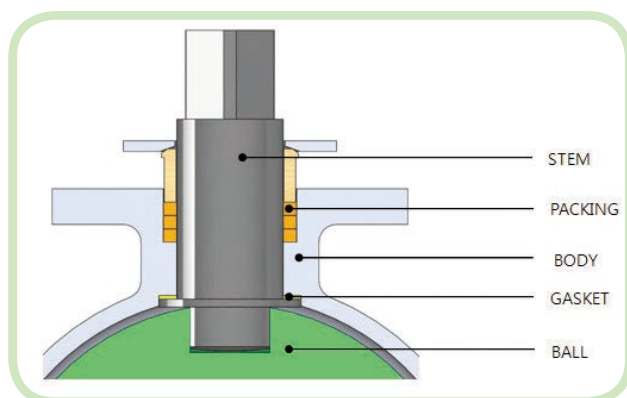


Fig. 4 [Before Fire]

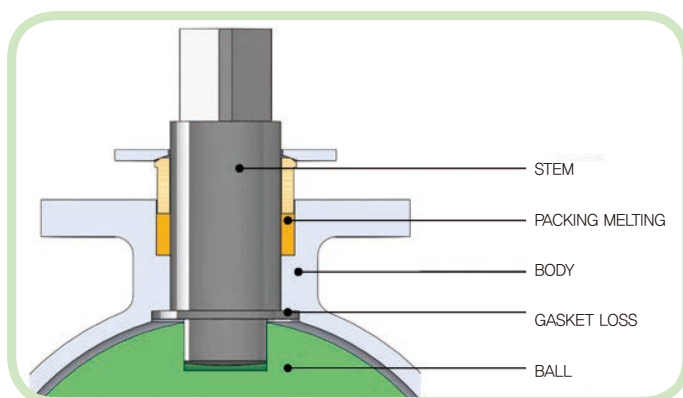


Fig. 5 [After Fire]

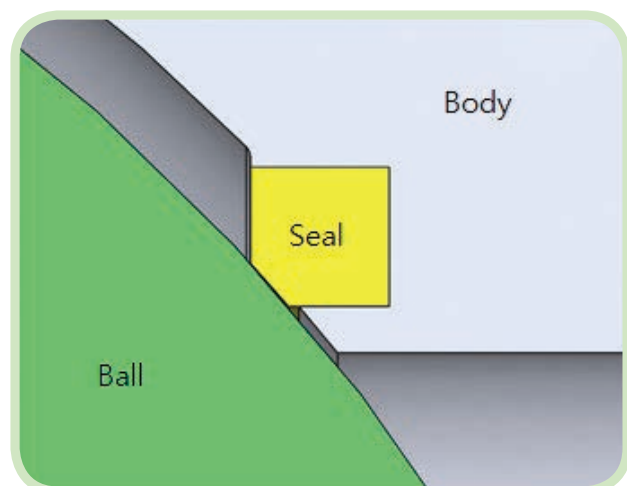


Fig. 6 [Before Fire]

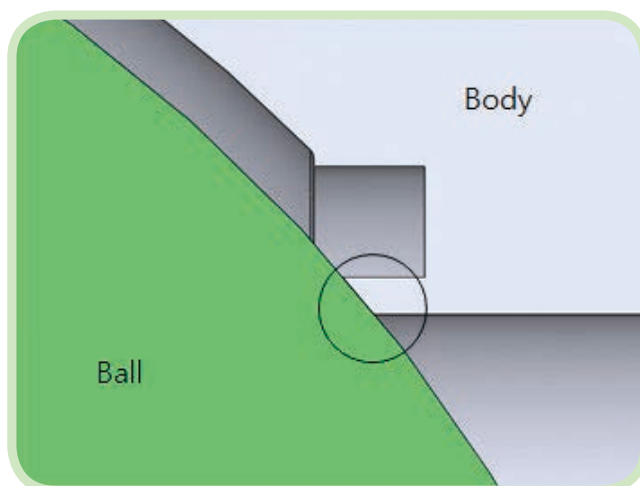
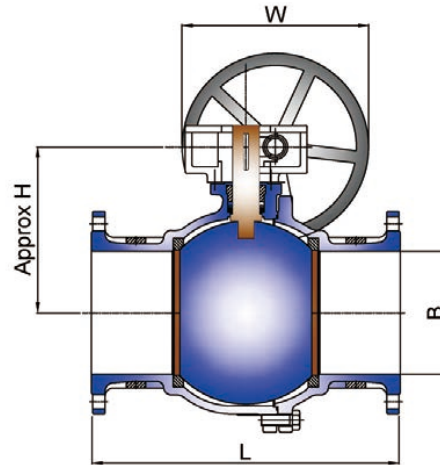


Fig. 7 [After Fire]
Metal to Metal Contact

TRUNNION-MOUNTED BALL VALVE FEATURES



BASIC MATERIALS

PART NAME	CARBON STEEL	STAINLESS STEEL
BODY	A105, A350 LF2	A182 F304, F316
BALL	A351-CF8, CF8M, A182 F304, F316, ENP	
SEAT	RPTFE, DEVLON	

PRODUCTION SPECIFICATIONS

BASIC DESIGN	API 6D & ASME B16.34
FACE TO FACE	ASME B16.10
END FLANGE	ASME B16.5
TEST & INSPECTION	API 6D & API 598

◆ CLASS 150 & 300 DIMENSIONS Full Bore(split body, side entry design)

(unit : mm)

VALVE SIZE		2"	3"	4"	6"	8"	10"	12"	14"	16"
B		51	76	102	152	203	254	305	337	387
L	150#	178	203	229	394	457	533	610	686	762
	300#	216	282	305	403	502	568	648	762	838
H		140	180	200	275	327	386	430	468	545
W		240	240	350	440	400	450	450	560	630
WEIGHT (kg)	150#	27	35	45	106	162	242	385	570	875
	300#	30	45	50	135	175	300	465	720	1010

• Other material & size is available upon request. Please contact sales office for other size.

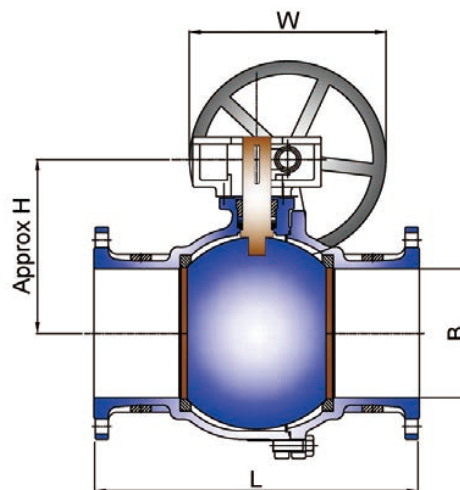
◆ RANGE & DIMENSIONS

(unit : mm)

VALVE SIZE		14"	16"	18"	20"	22"	24"	26"	28"	30"	36"
B		337	387	438	489	538	591	633	684	735	874
L	150#	686	762	864	914	991	1,067	1,143	1,245	1,295	1,524
	300#	762	838	914	991	1,092	1,143	1,245	1,346	1,397	1,727
H	150#	468	545	568	623	707	773	805	844	922	1,031
	300#	468	545	568	623	707	773	820	863	965	1,080
W		560	630	630	710	710	710	800	800	800	800
WEIGHT (kg)	150#	685	980	1,690	2,242	2,470	3,100	3,820	4,550	5,550	8,800
	300#	740	1,200	2,040	2,300	2,960	3,600	4,600	5,770	6,600	10,100

• Other material & size is available upon request. Please contact sales office for other size.

CLASS 600 TRUNNION MOUNTED BALL VALVES



BASIC MATERIALS

PART NAME	CARBON STEEL	STAINLESS STEEL
BODY	A105, A350 LF2	A182 F304, F316
BALL	A351-CF8, CF8M, A182 F304, F316, ENP	
SEAT	RTFE, DEVLON, METAL	

PRODUCTION SPECIFICATIONS

BASIC DESIGN	API 6D & ASME B16.34
FACE TO FACE	ASME B16.10
END FLANGE	ASME B16.5
TEST & INSPECTION	API 6D & API 598

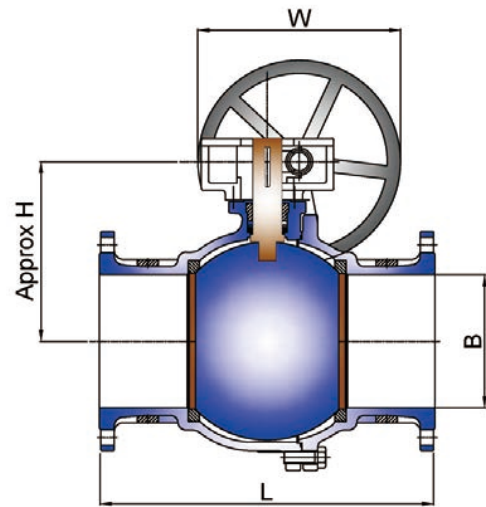
◆ RANGE & DIMENSIONS

(unit : mm)

VALVE SIZE	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	36"	42"	48"
B	254	305	337	387	438	489	538	591	633	684	735	874	1,020	1,166
L	787	838	889	991	1,092	1,194	1,295	1,397	1,448	1,549	1,651	2,083	2,437	2,540
H	413	458	498	553	609	698	769	870	870	878	1,002	1,140	1,200	1,340
W	560	560	630	710	630	710	710	710	800	800	800	800	1,000	1,000
WEIGHT(kg)	810	1,110	1,250	2,270	2,560	3,400	4,680	5,700	6,000	6,760	8,370	13,300	17,250	30,000

• Other material & size is available upon request. Please contact sales office for other size.

CLASS 900 TRUNNION MOUNTED



BASIC MATERIALS

PART NAME	CARBON STEEL	STAINLESS STEEL
BODY	A105, A350 LF2	A182 F304, F316
BALL	A351-CF8, CF8M, A182 F304, F316, ENP	
SEAT	DEVLON, METAL	

PRODUCTION SPECIFICATIONS

BASIC DESIGN	API 6D & ASME B16.34
FACE TO FACE	ASME B16.10
END FLANGE	ASME B16.5
TEST & INSPECTION	API 6D & API 598

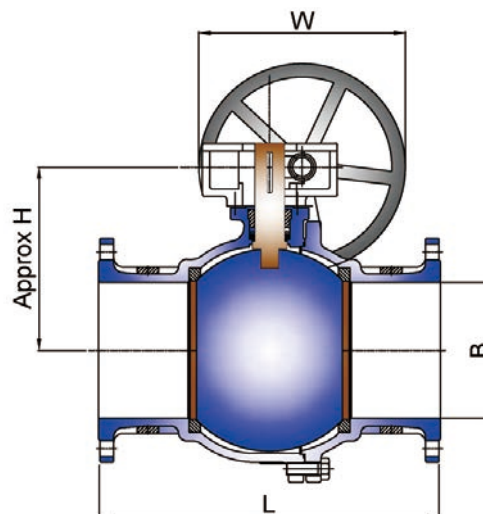
◆ RANGE & DIMENSIONS

(unit : mm)

VALVE SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
B	49	74	100	150	201	252	303	322	373	423	471	570
L	368	381	457	610	737	838	965	1,029	1,130	1,219	1,321	1,549
H	205	220	283	323	381	432	488	517	610	700	740	800
W	320	350	400	560	560	630	710	710	800	800	800	1,000
WEIGHT(kg)	51	88	170	390	620	820	1,230	1,500	2,150	2,800	3,500	6,500

• Other material & size is available upon request. Please contact sales office for other size.

CLASS 1500 TRUNNION MOUNTED BALL VALVES



BASIC MATERIALS

PART NAME	CARBON STEEL	STAINLESS STEEL
BODY	A105, A350 LF2	A182 F304, F316
BALL	A351-CF8, CF8M, A182 F304, F316, ENP	
SEAT	DEVLON, METAL	

PRODUCTION SPECIFICATIONS

BASIC DESIGN	API 6D & ASME B16.34
FACE TO FACE	ASME B16.10
END FLANGE	ASME B16.5
TEST & INSPECTION	API 6D & API 598

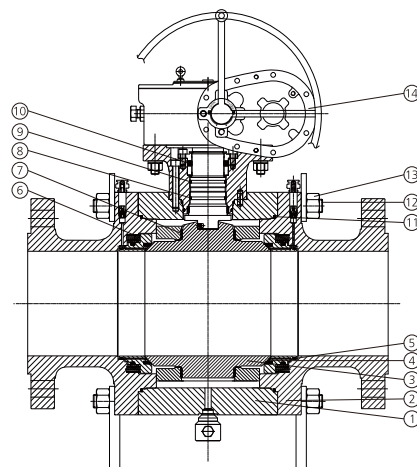
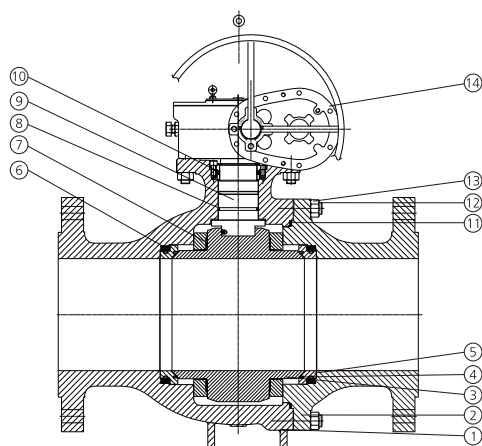
◆ RANGE & DIMENSIONS

(unit : mm)

VALVE SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"
B	51	74	100	144	192	239	287	315	360
L	368	470	546	705	832	991	1,130	1,257	1,384
H	215	220	288	343	408	466	584	620	645
W	320	440	500	560	630	710	800	800	800
WEIGHT(kg)	59	116	204	575	750	1,500	2,250	2,850	4,070

• Other material & size is available upon request. Please contact sales office for other size.

CROSS-SECTION DIAGRAM 2-PIECE / 3-PIECE TYPE



◆ RANGE & DIMENSIONS

(unit : mm)

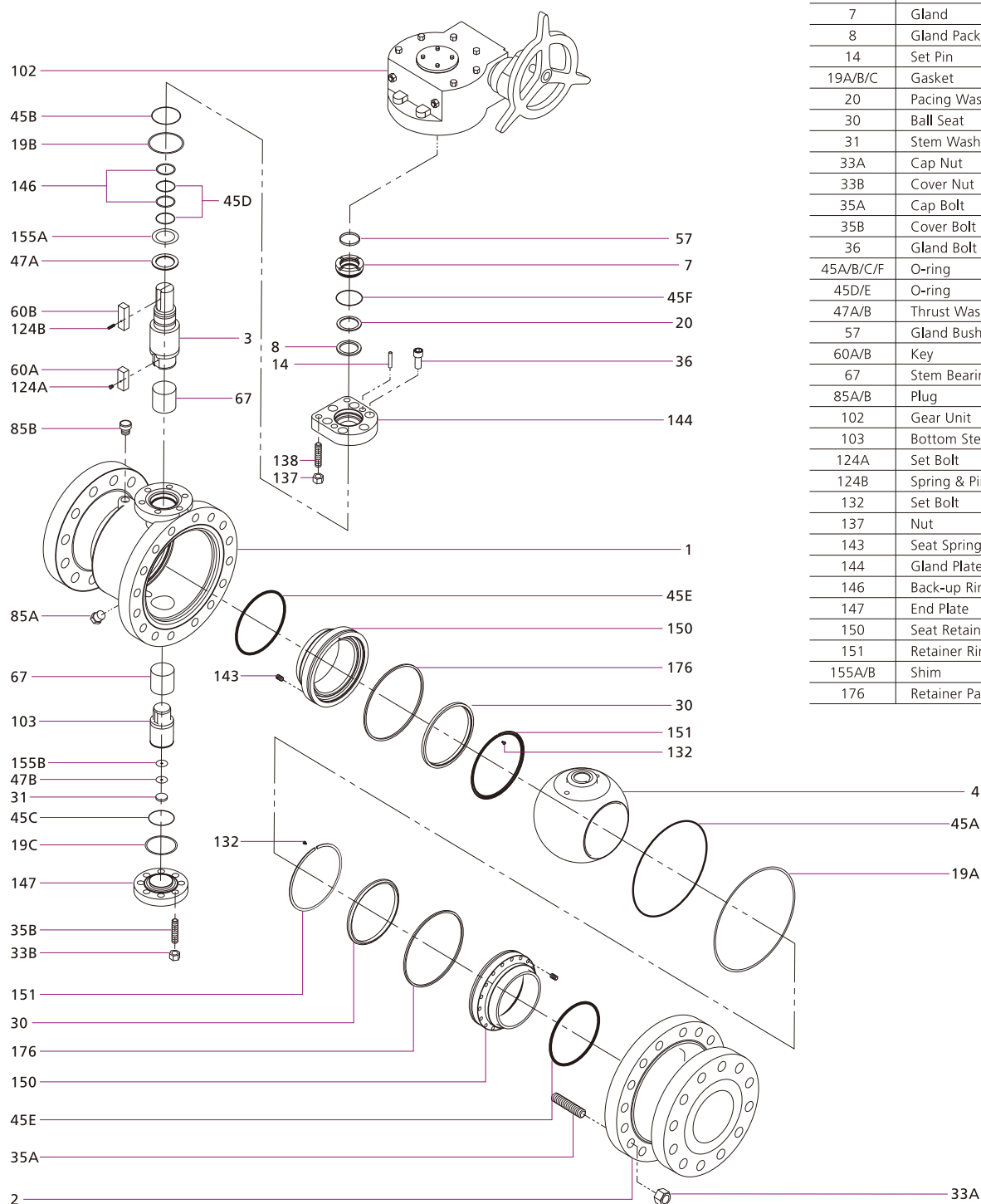
NO.	Components	Materials		
		CF8M/ CF3M	Gr. 4A/ 5A (Duplex SS)	Inconel 625
1	Body	ASTM A182 Gr. F316/ ASTM A351 Gr. CF8M/ CF3M	ASTM A182 Gr. F51/ F53/ ASTM A995 Gr. 4A/ 5A	ASTM B564 UNS N06625/ ASTM A494 UNS N26625 (CW6MC)
2	Connector	ASTM A182 Gr. F316/ ASTM A351 Gr. CF8M/ CF3M	ASTM A182 Gr. F51/ F53/ ASTM A995 Gr. 4A/ 5A	ASTM B564 UNS N06625/ ASTM A494 UNS N26625 (CW6MC)
3	Ball	ASTM A182 Gr. F316/ F316L	ASTM A182 Gr. F51/ F53	ASTM B564 UNS N06625
4	Seat	PTFE/ RPTFE/ Nylon impregnated with MoS2/ PEEK/ Devlon®/ PCTFE, METAL		
5	Seat Ring	ASTM A182 Gr. F316/ F316L	ASTM A182 Gr. F51/ F53	ASTM B564 UNS N06625
6	Coil Spring	Inconel X750		
7	Bearing	SS-backed PTFE	Duplex SS-backed PTFE/ Inconel 625-backed PTFE	Inconel 625-backed PTFE
8	O-ring	FKM (Viton®)/ HNBR/ Nitrile Rubber/ FFKM (Kalrez®)		
9	Stem	ASTM A479 Type 316/ 316L	ASTM A182 Gr. F51/ F53	ASTM B564 UNS N06625
10	Packing	Graphite		
11	Body Seal	Graphite/ Spirally-wound SS 316/ SS 316L with Graphite Filler	Graphite/ Spirally-wound Inconel 625 with Graphite Filler	Graphite/ Spirally-wound Inconel 625 with Graphite Filler
12	Stud	ASTM A193 Gr. B8M Cl. 2	ASTM A193 Gr. B8M Cl. 2/ ASTM A453 Gr. 660 Cl. A	ASTM A193 Gr. B8M Cl. 2/ ASTM A453 Gr. 660 Cl. A
13	Hexagonal Nut	ASTM A194 Gr. 8M/ 8MA	ASTM A194 Gr. 8M/ 8MA/ ASTM A453 Gr. 660 Cl. A	ASTM A194 Gr. 8M/ 8MA/ ASTM A453 Gr. 660 Cl. A
14	Gear Unit	Worm Gear		

• Other material & size is available upon request. Please contact sales office for other size.

TRUNNION-MOUNTED BALL VALVE FEATURES

◆ EXPLODED DIAGRAM

This is typical construction of GVK trunnion mounted ball design. For more details, contact GVK agent or distributor



No	Name of Parts	Quantity
1	Body	1
2	Body Cap	1
3	Stem	1
4	Ball	1
7	Gland	1
8	Gland Packing	1
14	Set Pin	1set
19A/B/C	Gasket	1each
20	Pacing Washer	1
30	Ball Seat	2
31	Stem Washer	1
33A	Cap Nut	1set
33B	Cover Nut	1set
35A	Cap Bolt	1set
35B	Cover Bolt	1set
36	Gland Bolt	1set
45A/B/C/F	O-ring	1each
45D/E	O-ring	2each
47A/B	Thrust Washer	1each
57	Gland Bush	1
60A/B	Key	1each
67	Stem Bearing	2
85A/B	Plug	1each
102	Gear Unit	1
103	Bottom Stem	1
124A	Set Bolt	1
124B	Spring & Pin	1
132	Set Bolt	2
137	Nut	1set
143	Seat Spring	1set
144	Gland Plate	1
146	Back-up Ring	2
147	End Plate	1
150	Seat Retainer	2
151	Retainer Ring	2
155A/B	Shim	1set
176	Retainer Packing	2

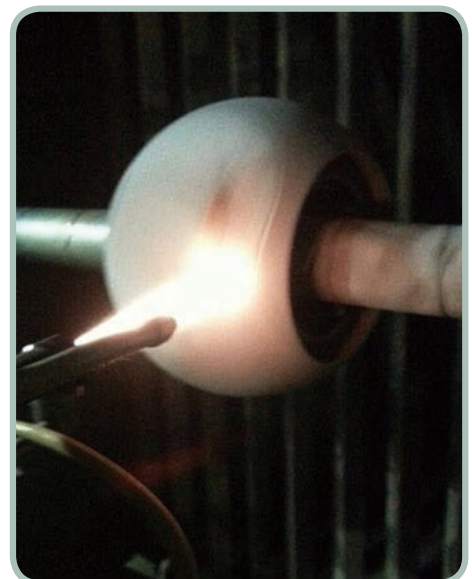
METAL SEAT BALL VALVE FEATURES

◆ DESIGN & TEST STANDARD

Shell Wall Thickness Pressure	ASME B16.34 & API 6D
Temperature Rating Face to	ASME B16.34
Face Dimensions End Flange	ASME B16.10
Dimensions Casting Inspection	ASME B16.5
Fire Safety Test	MSS SP-55
General Design	API 607 4th Edition & API 6FA
Material Requirements	ASME B16.34 / API 6D / API 608
Quality Control	NACE MR0175 Latest Edition
Pressure Test	API Q1 & ISO 9001
	API 6D, API 598, ANSI B16.104 (FCI 70-2)

◆ MATERIALS (BODY & TRIM)

• Carbon Steel	A105, A216-WCB, A216-WCC
• Low Temp. Carbon Steel	A350 LF2, A352 LCB, A352-LCC
• Low Alloy Steel	AISI 4140, A694-F65/ F52/ F60, A350 LF3
• Martensitic Stainless Steel	A182 F6A, A182-F6NM, A217 CA15, A487 CA6NM
• Austenitic Stainless Steel	A182 F316/ 316L, A182 F347, A351 CF8M/ CF3M/ CF3, A564 Gr 630H 1150M Incoloy 825,
• Nickel Alloys	Inconel 625/ 750, Monel 400/ K500, Incoloy 925, Inconel 718 A182 F51/ F53/F55,
• Duplex Stainless Steel	A890-4A/ 6A



TUNGSTEN CARBIDE

METAL SEAT BALL VALVE FEATURES

◆ MATERIALS (BODY & TRIM)

Manufacturing Range	BALL	SEAT	Applications
• FLOATING 150#~300#: 1/2"~8" 600#~1500#: 1/2"~2" • TRUNNION 150#~1500#: 2"~16"	Nitriding HV 800	Nitriding Stellite	High-Temperature ON-OFF throttling
	Chrome Carbide HV 850~950	Stellite	High-Temperature (500°C) High-Frequency
	Tungsten Carbide HV 1200	Tungsten Carbide	High-Pressure Service High-Frequency

- High Economical for assembly of Metal Seat due to use of standard valves.
- 2-piece or 3-pieces Split body construction valve body provide the convenience of easy maintenance.
- Metal Seated ball valve has fire safe construction and material according to specification.
- High performance "GVK" Metal Seated Valve is for high-temperature, high-pressure / frequency function.
- Metal Seated Ball Valves can easily be automated same as general Ball Valves.
- "GVK" Metal Seated Ball Valve meets ANSI B16.104 Class V and MSS SP-61 Sealing requirements and we can supply the valve with bubble tight.



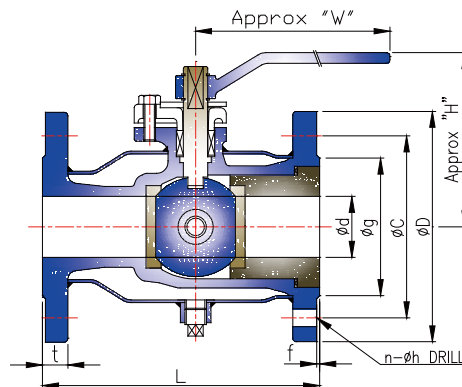
600#-12" METAL SEAT BALL VALVE



1500#-16" METAL SEAT BALL VALVE

FULL-JACKET BALL VALVE FEATURES

◆ GEAR OPERATION TYPE



BASIC MATERIALS

PART NAME	CARBON STEEL	STAINLESS STEEL
BODY	A216-WCB, A352-LCC	A351-CF8, CF8M
BALL	A351-CF8, CF8M	
SEAT	RTFE, DEVLON, METAL	

PRODUCTION SPECIFICATIONS

BASIC DESIGN	API 6D & ASME B16.34
FACE TO FACE	ASME B16.10
END FLANGE	ASME B16.5
TEST & INSPECTION	API 6D & API 598

SIZE	ϕd	L	H	W	ϕD	ϕg	ϕC	$n-\phi h$	t	f	FLANGE
200A x 250A	203	457	428	210	400	324	355	12-25	24	2	JIS 10K-250A
8" x 10"					406	323.8	361.9	12-26	30.5	1.6	ANSI 150#-10"
250A x 350A	254	533	458	305	490	413	445	16-25	26	3	JIS 10K-350A
10" x 14"					535	412.8	476.2	12-29	35	1.6	ANSI 150#-14"
300A x 400A	305	610	552	370	560	475	510	16-27	28	3	JIS 10K-400A
12" x 16"					595	469.9	539.7	16-29	37	1.6	ANSI 150#-16"

FULL-JACKET BALL VALVE FEATURES

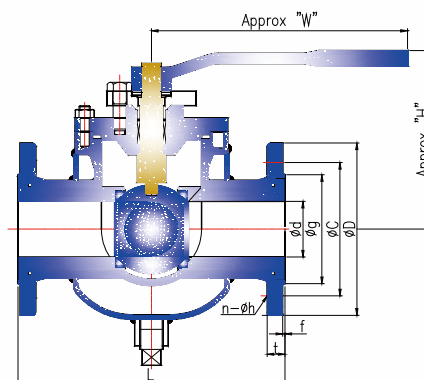
◆ LEVER OPERATION TYPE

SIZE	Ød	L	H	W	ØD	Øg	ØC	n-Øh	t	f	FLANGE
15A x 40A	13	108	96	120	140	81	105	4-19	16	2	JIS 10K-
$\frac{1}{2}$ " x 1- $\frac{1}{2}$ "					127	73	98,4	4-16	14,5	1,6	ANSI 150#-1,5"
20A x 40A	19	120	98	120	140	81	105	4-19	16	2	JIS 10K-
$\frac{3}{4}$ " x 1- $\frac{1}{2}$ "					127	73	98,4	4-16	14,5	1,6	ANSI 150#-1,5"
25A x 50A	25	127	115	150	155	96	120	4-19	16	2	JIS 10K-
1" x 2"					152	92,1	120,6	4-20	16	1,6	ANSI 150#-2"
40A x 65A	38	165	148	200	175	116	140	4-19	18	2	JIS 10K-
1- $\frac{1}{2}$ " x 2- $\frac{1}{2}$ "					178	104,8	139,7	4-20	17,5	1,6	ANSI 150#-2,5"
50A x 80A	51	178	160	250	185	126	150	8-19	18	2	JIS 10K-
2" x 3"					191	127	152,4	4-20	19,5	1,6	ANSI 150#-3"
65A x 100A	64	190	184	300	210	151	175	8-19	18	2	JIS 10K-1
2- $\frac{1}{2}$ " x 4"					229	157,2	190,5	8-20	24	1,6	ANSI 150#-4"
80A x 125A	76	203	213	350	250	182	210	8-23	20	2	JIS 10K-1
3" x 5"					254	185,7	215,9	8-23	24	1,6	ANSI 150#-5"
100A x 150A	102	229	245	400	280	212	240	8-23	22	2	JIS 10K-1
4" x 6"					279	215,9	241,3	8-23	25,5	1,6	ANSI 150#-6"
125A x 200A	127	320	344	700	330	262	290	12-23	22	2	JIS 10K-2
5" x 8"					343	269,9	298,4	8-23	29	1,6	ANSI 150#-8"
150A x 200A	152	394	364	1000	330	262	290	12-23	22	2	JIS 10K-2
6" x 8"					343	269,9	298,4	8-23	29	1,6	ANSI 150#-8"

• Other material & size is available upon request. Please contact sales office for other size.

SEMI-JACKET BALL VALVE FEATURES

◆ LEVER OPERATION TYPE



BASIC MATERIALS

PART NAME	CARBON STEEL	STAINLESS STEEL
BODY	A216-WCB, A352-LCC	A351-CF8, CF8M
BALL	A351-CF8, CF8M	
SEAT	RTFE, DEVLON, METAL	

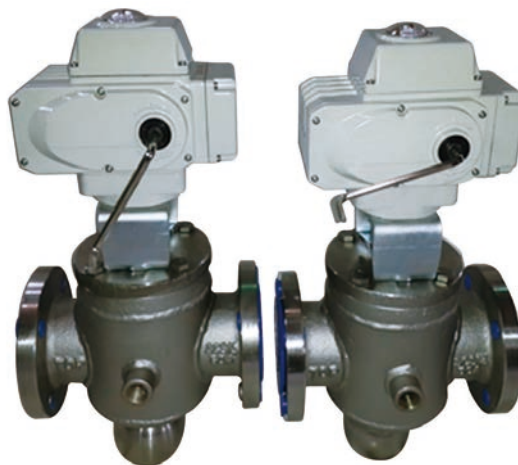
PRODUCTION SPECIFICATIONS

BASIC DESIGN	API 6D & ASME B16.34
FACE TO FACE	ASME B16.10
END FLANGE	ASME B16.5
TEST & INSPECTION	API 6D & API 598

SIZE	Ød	L	H	W	ØD	Øg	ØC	n-Øh	t	f	FLANGE
25A	25	180	115	150	125	67	90	4-19	14	1	JIS 10K-25A
					108	51	79,5	4-16	14,2	1,6	ANSI 150#-1"
40A	38	165	148	200	140	81	105	4-19	16	2	JIS 10K-40A
					127	73	98,5	4-16	17,5	1,6	ANSI 150#-1.5"
50A	51	240	160	250	155	96	120	4-19	16	2	JIS 10K-50A
					152	92	120,5	4-19	19,1	1,6	ANSI 150#-2"
65A	64	260	184	300	175	116	140	4-19	18	2	JIS 10K-65A
					178	105	139,5	4-19	22,3	1,6	ANSI 150#-2.5"
80A	76	290	213	350	185	126	150	8-19	18	2	JIS 10K-80A
					191	127	152,5	4-19	23,9	1,6	ANSI 150#-3"
100A	102	360	245	400	210	150	175	8-19	18	2	JIS 10K-100A
					229	157	190,5	8-19	23,9	1,6	ANSI 150#-4"
150A	152	430	364	1000	280	212	240	8-23	22	2	JIS 10K-150A
					279	216	241	8-22	25,4	1,6	ANSI 150#-6"

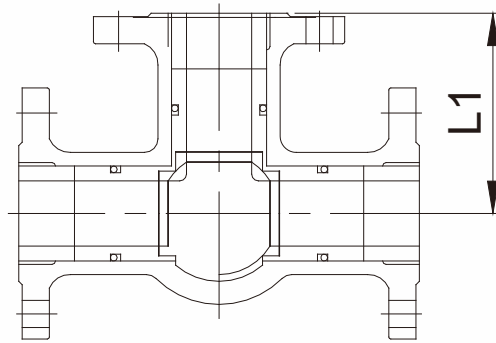
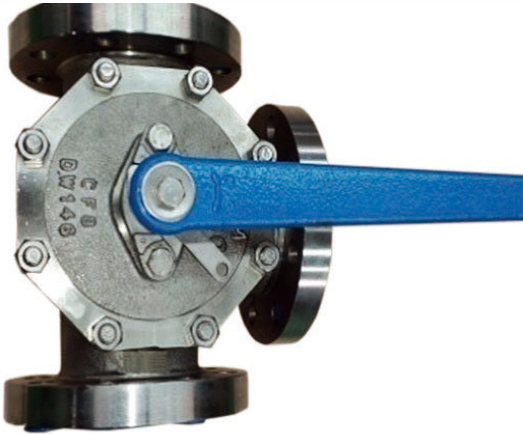
• Other material & size is available upon request. Please contact sales office for other size.

SEMI-JACKET BALL VALVE FEATURES



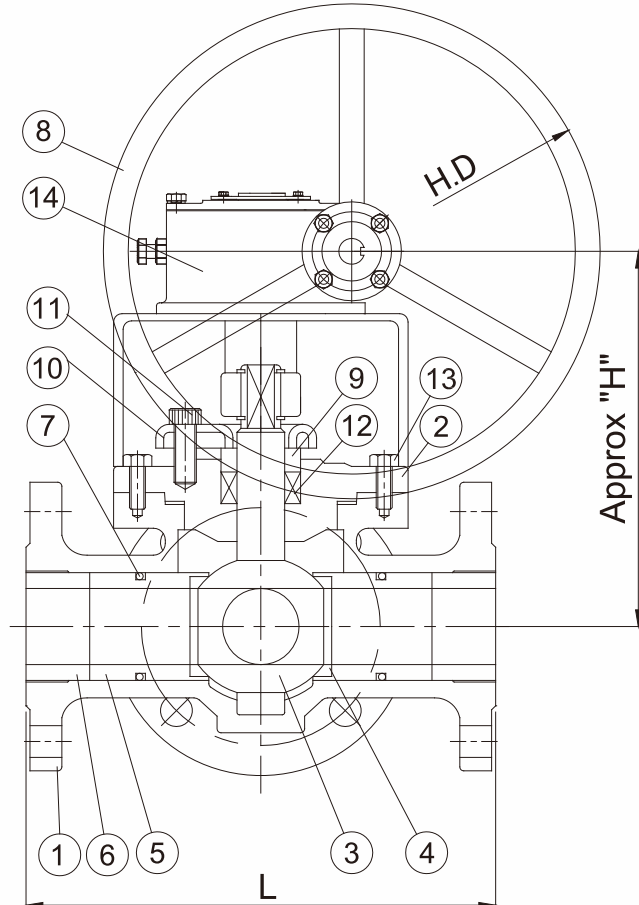
3-WAY BALL VALVE FEATURES

◆ 3- AY BALL VALVE FEATURES



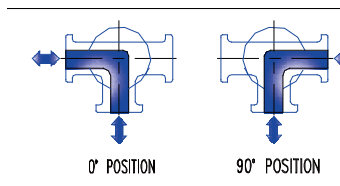
DESCRIPTION

SIZE RANGE :	I5A ~ 600A
TEMP RANGE :	-25 ~ 250°C
DESIGN :	API 6D/BS 5155/ ANSI B 16.34
END FLANGE :	ASME B 16.5
TEST INSPECTION :	API 598 / API 6D
LEAKAGE :	ZERO LEAKAGE (AS PER SEAT)
FLUID :	WATER/SEA WATER/O2/CO2/H2/COG/LDG/ BFG/FOG/MIXED GAS/DUST/STEAM/AIR/ HYDROCHLORIC ACID/ SULFURIC ACID NITRIC ACID

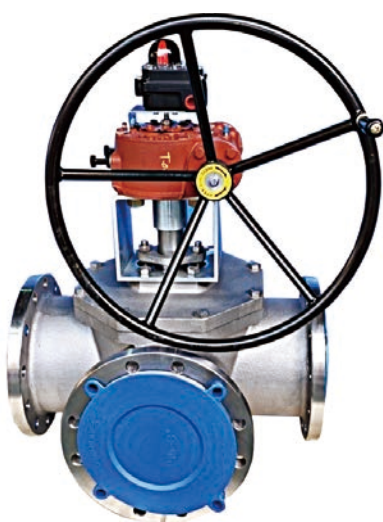
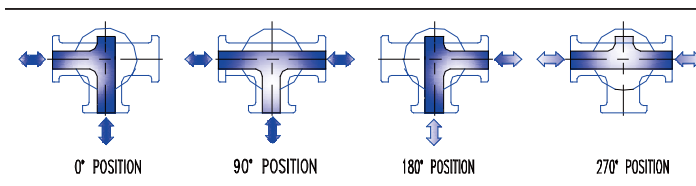


3-WAY BALL VALVE FEATURES

▼ L-PORT THE DIRECTION OF FLOW



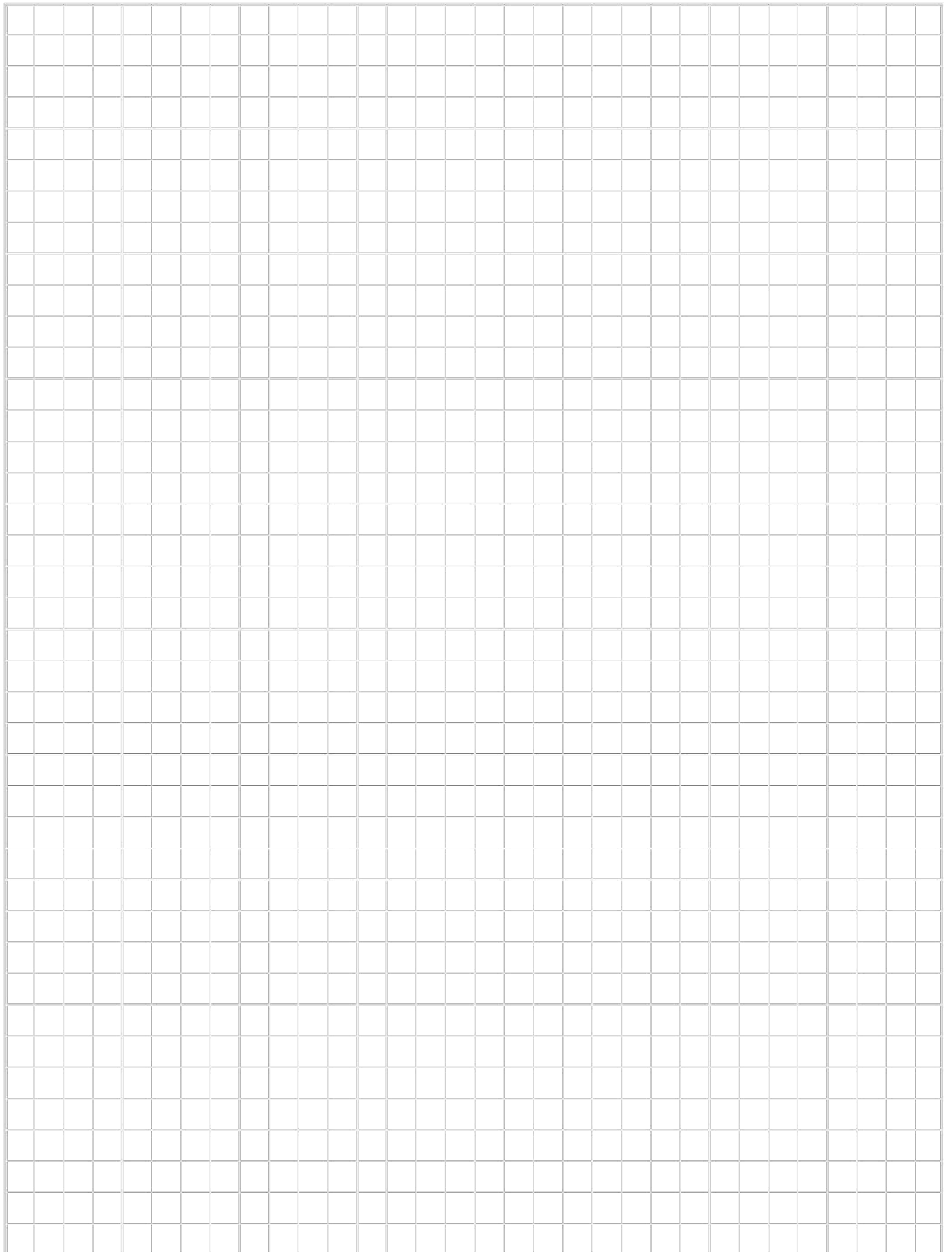
▼ T-PORT THE DIRECTION OF FLOW

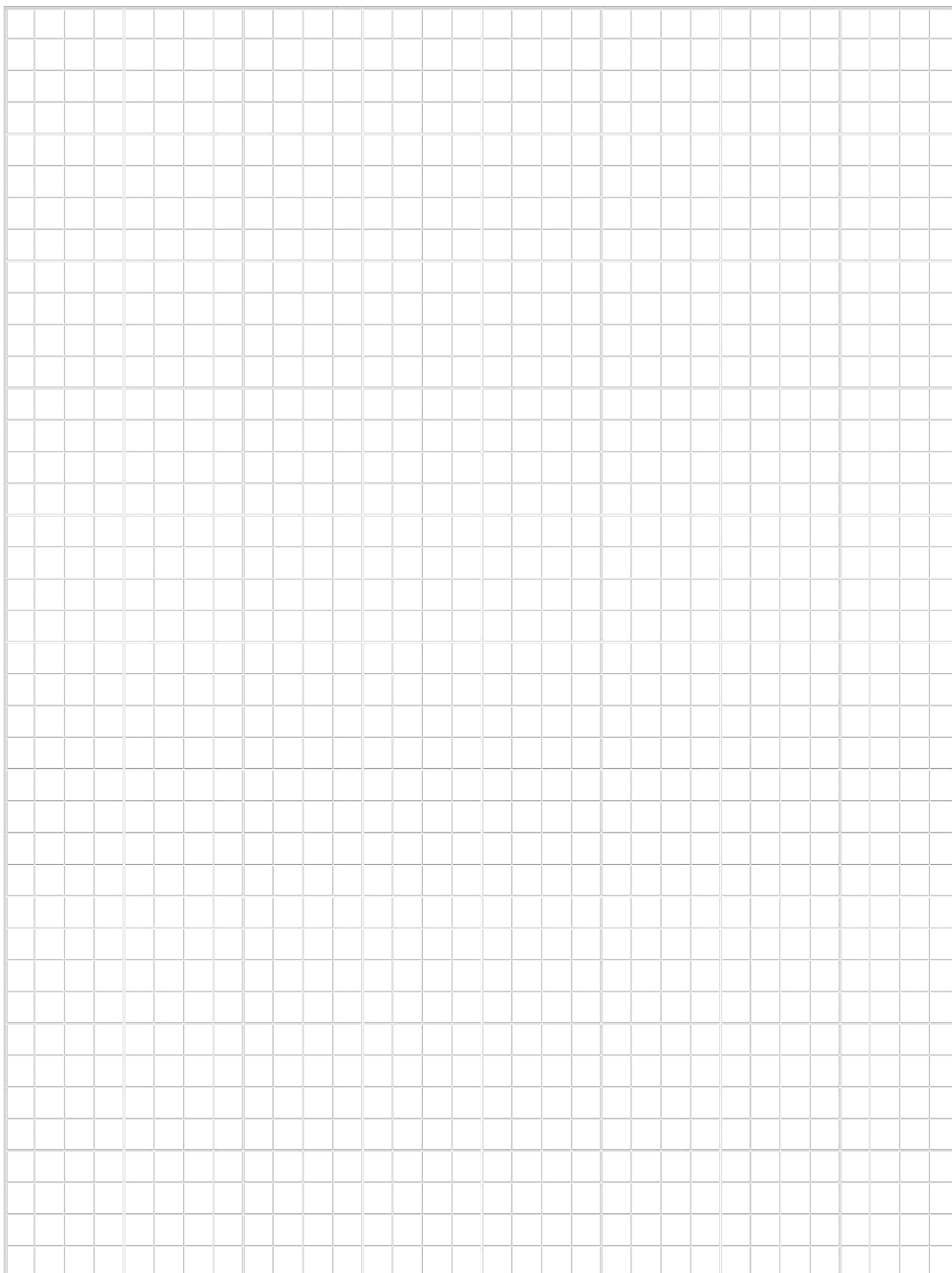


NO.	PARTS OF MATERIAL			
1	BODY	A351-CF8	A351-CF8M	A351-CF3M
2	CAP	A351-CF8	A351-CF8M	A351-CF3M
3	BALL & STEM	A351-CF8	A351-CF8M	A351-CF3M
4	SEAT RING	PTFE	PTFE	PTFE
5	RETAINER	A351-CF8	A351-CF8M	A351-CF3M
6	SEAT RING CASE	A351-CF8	A351-CF8M	A351-CF3M
7	O-RING	VITON	VITON	VITON
8	HAND LEVER	GCD450	GCD450	GCD450
9	PACKING GLAND	A276-304	A276-304	A276-304
10	GLAND FLANGE	A276-304	A276-304	A276-304
11	GLAND BOLT	A276-304	A276-304	A276-304
12	PACKING	PTFE	PTFE	PTFE
13	CAP BOLT	A276-304	A276-304	A276-304
14	GEAR BOX	ASS'Y	ASS'Y	ASS'Y
15	GASKET	PTFE	PTFE	PTFE

◆ DIMENSION

CLASS	SIZE	1"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
	DIMENSION	25A	40A	50A	65A	80A	100A	125A	150A	200A	250A	300A
10K 150LB	L : Face to Face	200	200	268	250	290	365	412	430	580	650	750
	L1	100	100	134	125	145	182	206	215	290	325	375
	H : Valve Height	145	150	160	176	193	196	245	260	440	610	720
	W : Lever	200	240	240	400	400	400	550	550	GEAR TYPE		







Product Service Qualified Certificate

ISO 9001:2015

ISO 14001:2015

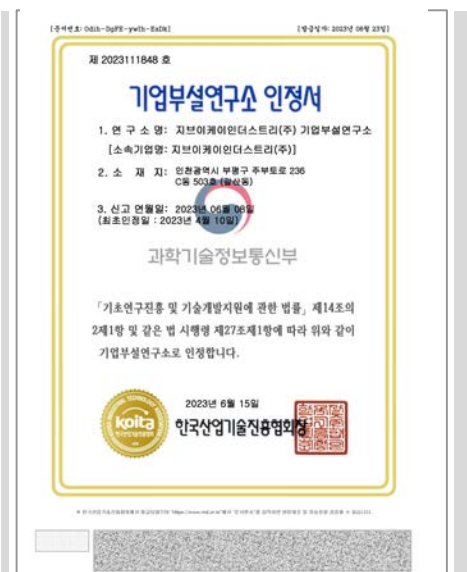
ISO 45001:2018



CE: Globe Control Valve

CE : Ball Valve

Research Institute



ASME U, PP Stemp

EAC : RUSSIA TRCU

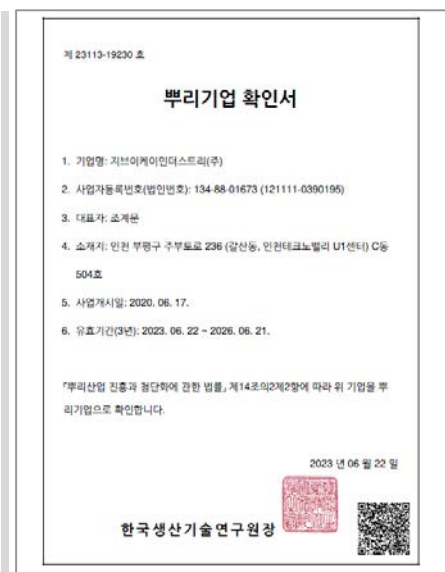
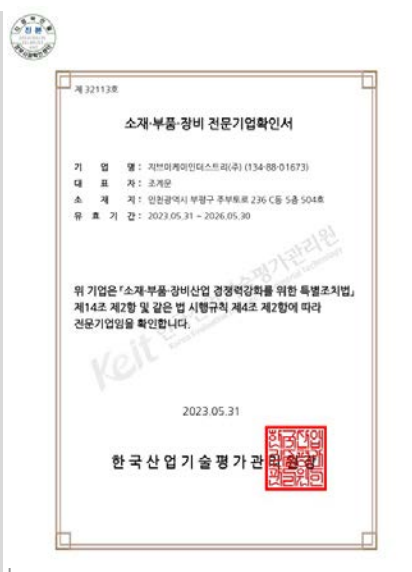
API 6D / 600 By KSM



Venture company

Material · Part · Equipment

Rooting Enterprise





GVK(KSM) BALL VALVE

Total Engineering Solution Service

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