



STAINLESS STEEL VALVES





회사연혁 | History of Company

● 1980 ~ 2000

1983. 02. 신흥공업사 설립(학장동)
1996. 10. 스테인리스 주조부 설립
1998. 12. 국제규격 ISO 9002 획득
1999. 03. 유망중소기업 선정
1999. 05. 수출지원대상업체로 지정
1999. 09. 신흥밸브공업사 공장신축 확장 이전
(녹산공단)
2000. 01. 법인업체로 등록 신흥밸브공업(주)
2000. 11. 외국인 연수생 연수업체 선정
2000. 02. 병역특례업체 선정

1983. 02. Establishment of Sin Heung Industry Company (Hakjang-dong)
1996. 10. Establishment of Stainless Casting Section
1998. 12. Gained International Standard ISO 9002
1999. 03. Selected as hopeful medium-small corporation
1999. 05. Nominated as company subject to export support company
1999. 09. Newly establishment of Shin Heung Valve Industry Company and
Transferred to Noksan Industry Complex
2000. 01. Registered as corporation, Shin Heung Valve Industry Co., Ltd.
2000. 11. Nominated as training company for trainees of foreigners
2000. 02. Nominated as military force special case company

We have been doing our best.

21세기!

고객의 성원과 사랑에 힘입은 신흥밸브공업(주)의 무한한 가능성의 세계!

30여년의 밸브사업 영위로 밸브 관련 제품 생산에 있어서 독보적인 전문성과 숙련된 기술을 축적한 신흥밸브공업(주)는 새로운 세계로 도약 하고자 합니다.

신흥밸브공업(주)는 흥미롭고 고무적인 분위기속에서 고객과 함께 연구하고 배워 나갈 것이며 또한 공존의 기업윤리를 지킬 것을 약속드립니다.

신흥밸브공업(주)는 최고 품질의 제품 공급뿐 아니라 고객의 욕구와 시장 NEEDS를 충족시키기 위해 최선을 다할 것입니다.

21st Century

Unlimited potentiality world of Shin Heung Valve Industry Co., Ltd. be indebted from encouragement and love of the customers!

Shin Heung Valve Industry Co., Ltd. who has the unique speciality and skilled technology in the related products of Valve within about 30 years will try to jump to the new world. Shin Heung Valve Industry Co., Ltd. will study and learn together with customers in atmosphere with an interest and encouraging attitude and will promise to keep the coexistent corporation morals.

Shin Heung Valve Industry Co., Ltd. will do our best efforts to satisfy desire of the customers and NEEDS of market as well as supply of products of the most better quality.

● 2001~

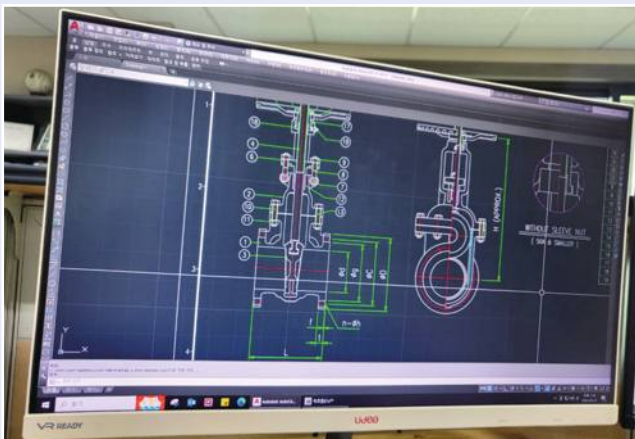
- | | |
|--|---|
| 2001. 03. LG필립스 업체 등록 | 2001. 03. Registered LG Philips company |
| 2002. 06. SK케미칼 업체 등록 | 2002. 06. Registered SK Chemical corporation |
| 2004. 05. 삼성 ENG 업체 등록 | 2004. 05. Registered as a corporation of Samsung ENG. |
| 2004. 05. 공장증축
CNC 선반 인덱스척 부착 3대 추가설치 | 2004. 05. Enlargement of Plant
3 Units of CNC shelf Indux was additionally installed |
| 2004. 08. 부산영업소 개소(감전동) | 2004. 08. Opened Busan business Office (Kamjeon-dong) |
| 2008. 10. (주)효성 업체 등록 | 2008. 10. Registered Hyosung Corporation |
| 2011. 02. 삼성전자 업체 등록 | 2011. 02. Registered Samsung Electronics |
| 2013. 06. 양산 산막산업단지 내 공장신축 확장 이전 | 2013. 06. Expanded Relocation of New Factory in Yangsan Sanmakgongdan |
| 2015. 11. 영업소 신축 이전 | 2015. 11. Expanded Relocation of Business Office |
| 2015. 11. KC인증 획득 | 2015. 11. Acquired Authentication KC |
| 2018. 02. 일학습병행제 업체 선정 | 2018. 02. Nominated as parallel work-study company |
| 2018. 03. 모범 납세 표창 수여 | 2018. 03. Awarded Best Tax Payment Commendation |
| 2019. 10. 병역지정업체 선정 | 2019. 10. Nominated as military service designated company |
| 2019. 04. CNC 선반 인덱스척 부착
PUMA VT900M 추가설치 | 2019. 04. Attached to Indux CNC shelf
Installed additional machine PUMA VT900M |
| 2020. 12. MCT 선반 KF 5600C 추가설치 | 2020. 12. Installed additional machine KF 5600C MCT shelf |
| 2024. 03. MCT 선반 PV 8300ML 추가설치 | 2024. 03. Installed additional machine PV 8300ML MCT shelf |



“THE BEST QUALITY”
“THE BEST SERVICE”
“THE ENDLESS DEVELOPMENT”



Business Office & Handling Articles

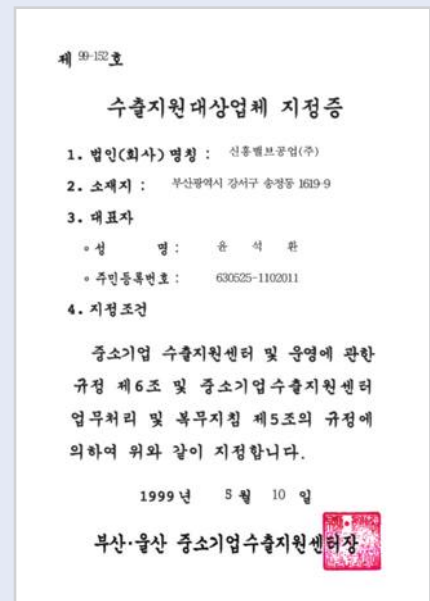
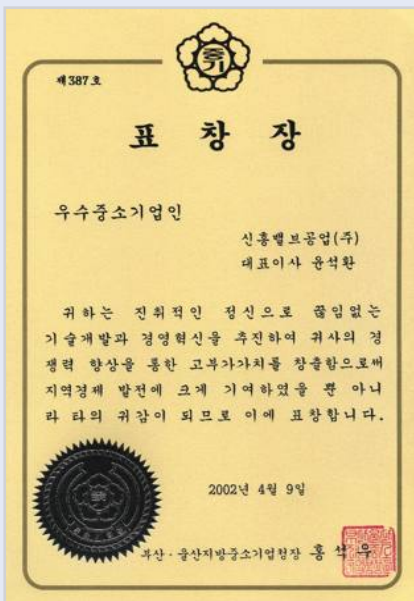




Warehouse of Finished Goods



Certificates



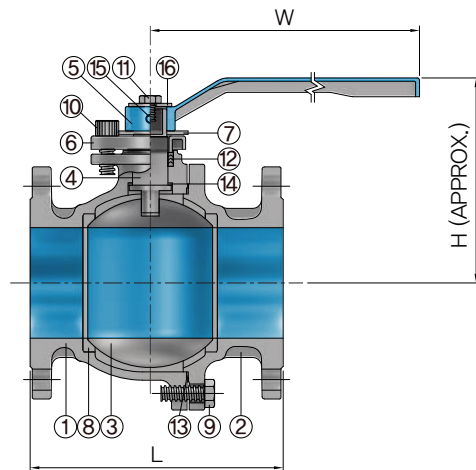
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CAST STAINLESS STEEL

2-WAY BALL VALVE 10K, 150LB

HBA-1



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	CAP	SCS 13	SCS 14	SCS 16	
3	BALL	SCS 13	SCS 14	SCS 16	
4	STEM	STS 304	STS 316	STS 316L	
5	HAND LEVER	GCD 450	GCD 450	GCD 450	
6	GLAND FLANGE	SCS 13	SCS 13	SCS 13	
7	STOPPER	STS 304	STS 304	STS 304	
8	SEAT RING	R.T.F.E	R.T.F.E	R.T.F.E	

No	PART NAME	MATERIAL			REMARK
9	CAP BOLT	STS 304	STS 304	STS 304	
10	GLAND BOLT	STS 304	STS 304	STS 304	
11	STEM BOLT	STS 304	STS 304	STS 304	
12	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
13	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
14	BACK SEAT	P.T.F.E	P.T.F.E	P.T.F.E	
15	SET SCREW	SB 41	SB 41	SB 41	
16	WASHER	STS 304	STS 304	STS 304	

NOTE 1. Packing & gasket material : customer's requirements

DIMENSION

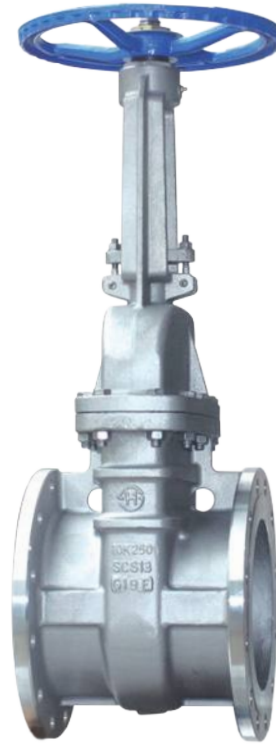
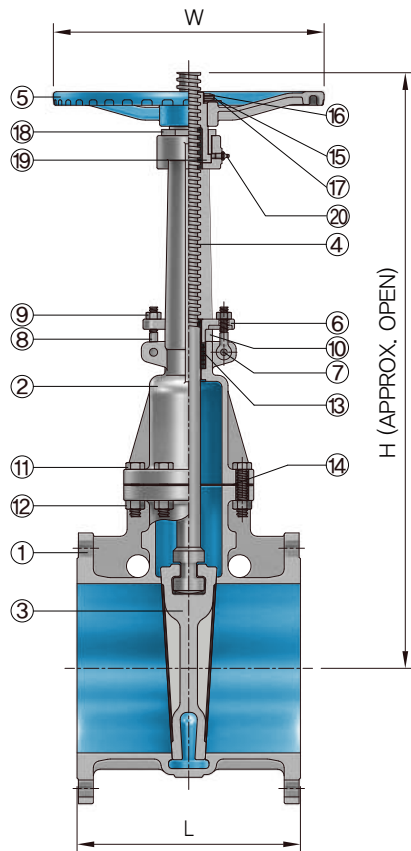
(mm)

CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16			
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400			
10K 150LB	L : FACE TO FACE (RF)		108	117	127	140	165	178	190	203	229	356	394	457	533	610	686	762			
	H : VALVE HEIGHT		88	88	100	105	125	129	137	173	190	280	295	310	580	630	650	720			
	W : HAND WHEEL DIA.		155	155	185	185	240	240	240	360	360	440	440	GEAR							

CAST STAINLESS STEEL

GATE VALVE BB OS & Y 10K, 20K

HGA-1



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	BONNET	SCS 13	SCS 14	SCS 16	
3	DISC	SCS 13	SCS 14	SCS 16	
4	STEM	STS 304	STS 316	STS 316L	
5	HAND WHEEL	GCD 450	GCD 450	GCD 450	
6	GLAND FLANGE	SCS 13	SCS 13	SCS 13	
7	HINGE PIN	STS 304	STS 304	STS 304	
8	GLAND BOLT	STS 304	STS 304	STS 304	
9	GLAND NUT	STS 304	STS 304	STS 304	
10	GLAND RING	STS 304	STS 304	STS 304	

NOTE 1. Packing & gasket material : customer's requirements

NOTE 2. 10K = 65A & Larger / 20K = 40A & Larger

No	PART NAME	MATERIAL			REMARK
11	BONNET BOLT	STS 304	STS 304	STS 304	
12	BONNET NUT	STS 304	STS 304	STS 304	
13	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
14	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
15	NAME PLATE	ALP	ALP	ALP	
16	WHEEL NUT	SB 41	SB 41	SB 41	
17	SET SCREW	SB 41	SB 41	SB 41	
18	SLEEVE NUT	SCS 13	SCS 13	SCS 13	NOTE.2
19	YOKE SLEEVE	BC 6 / GCD 450	BC 6 / GCD 450	BC 6 / GCD 450	
20	GREASE NIPPLE	BRASS	BRASS	BRASS	NOTE.2

DIMENSION

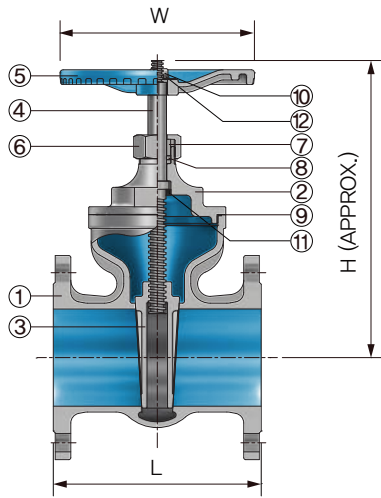
DIMENSION		(mm)																							
CLASS	SIZE	IN	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10	12	14	16	18	20	22	24	26	28	
	DIMENSION	MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600	650	700	
10K	L : FACE TO FACE (RF)	108	117	127	140	165	178	190	203	229	254	267	292	330	356	381	406	432	457	483	508	559	610		
	H : VALVE OPEN HEIGHT	191	198	230	279	268	318	375	446	525	635	735	890	1135	1325	1450	1730	1920	2090	2500	2640	2895	3040		
	W : HAND WHEEL DIA.	100	100	125	180	180	180	200	200	240	280	280	315	400	400	500	500	550	550	GEAR					
20K	L : FACE TO FACE (RF)					190	216	241	283	305	381	403	419	457	502	762	838	914	991	1092	1143	1245	1346		
	H : VALVE OPEN HEIGHT					337	374	448	470	545	650	715	965	1170	1340	1671	1880	2150	2510	2645	2784	3218	3312		
	W : HAND WHEEL DIA.					200	200	240	240	240	315	315	400	500	550	550	GEAR								

※ Specification and design are subject to change without notice.

CAST STAINLESS STEEL

GATE VALVE SCREW BONNET TYPE 10K

HGAF



PARTS AND MATERIALS

No	PART NAME	MATERIAL
1	BODY	SCS 13
2	BONNET	SCS 13
3	DISC	SCS 13
4	STEM	STS 304
5	HAND WHEEL	GCD 450
6	GLAND NUT	SCS 13
7	GLAND RING	STS 304
8	PACKING	P.T.F.E
9	GASKET	P.T.F.E
10	WHEEL NUT	STS 304
11	STEM WASHER	STS 304
12	WHEEL WASHER	STS 304

NOTE 1. Packing & gasket material : customer's requirements

DIMENSION

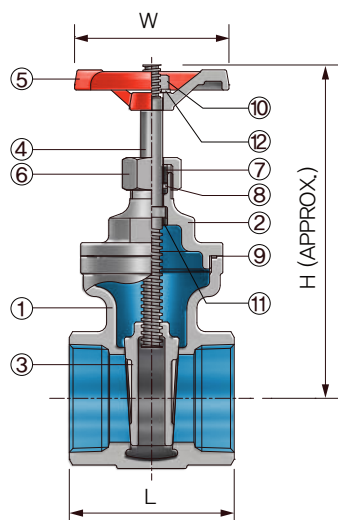
(mm)

CLASS	SIZE	IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4										
	DIMENSION	MM	15	20	25	32	40	50	65	80	100										
10K	L : FACE TO FACE (RF)			92	101	110	121	140	171	192	214										
	H : VALVE HEIGHT			125	143	153	165	188	236	267	307										
	W : HAND WHEEL DIA.			100	100	100	125	140	180	180	200										

CAST STAINLESS STEEL

GATE VALVE SCREW TYPE 10K

HGAS



PARTS AND MATERIALS

No	PART NAME	MATERIAL
1	BODY	SCS 13
2	BONNET	SCS 13
3	DISC	SCS 13
4	STEM	STS 304
5	HAND WHEEL	GCD 450
6	GLAND NUT	SCS 13
7	GLAND RING	STS 304
8	PACKING	P.T.F.E
9	GASKET	P.T.F.E
10	WHEEL NUT	STS 304
11	STEM WASHER	STS 304
12	WHEEL WASHER	STS 304

NOTE 1. Packing & gasket material : customer's requirements

DIMENSION

(mm)

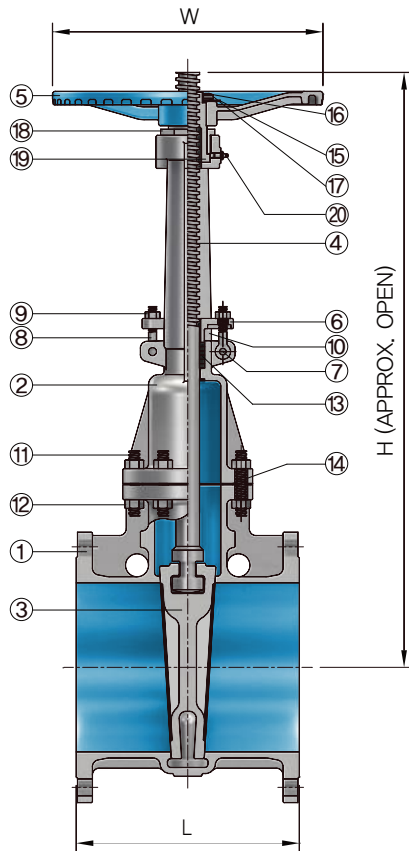
CLASS	SIZE	IN	1/2	3/4	1	1 1/4	1 1/2	2													
	DIMENSION	MM	15	20	25	32	40	50													
10K	L : FACE TO FACE		58	61	69	75	84	94													
	H : VALVE HEIGHT		115	119	143	152	168	187													
	W : HAND WHEEL DIA.		56	56	73	73	90	90													

※ Specification and design are subject to change without notice.

CAST STAINLESS STEEL

GATE VALVE BB OS & Y 150LB, 300LB

HGA-15



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	A351 CF8	A351 CF8M	A351 CF3M	
2	BONNET	A351 CF8	A351 CF8M	A351 CF3M	
3	DISC	A351 CF8	A351 CF8M	A351 CF3M	
4	STEM	A276 304	A276 316	A276 316L	
5	HAND WHEEL	GCD 450	GCD 450	GCD 450	
6	GLAND FLANGE	A351 CF8	A351 CF8	A351 CF8	
7	HINGE PIN	A276 304	A276 304	A276 304	
8	GLAND BOLT	A193 B8	A193 B8	A193 B8	
9	GLAND NUT	A194 8	A194 8	A194 8	
10	GLAND RING	STS 304	STS 304	STS 304	

No	PART NAME	MATERIAL			REMARK
11	BONNET BOLT	A193 B8	A193 B8	A193 B8	
12	BONNET NUT	A194 8	A194 8	A194 8	
13	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
14	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
15	NAME PLATE	ALP	ALP	ALP	
16	WHEEL NUT	A307 B	A307 B	A307 B	
17	SET SCREW	A307 B	A307 B	A307 B	
18	SLEEVE NUT	A351 CF8	A531 CF8	A351 CF8	NOTE.2
19	YOKE SLEEVE	BC 6 / GCD 450	BC 6 / GCD 450	BC 6 / GCD 450	
20	GREASE NIPPLE	BRASS	BRASS	BRASS	NOTE.2

NOTE 1. Packing & gasket material : customer's requirements

NOTE 2. 150LB = 2½" & Larger / 300LB = 1½" & Larger

DIMENSION

DIMENSION

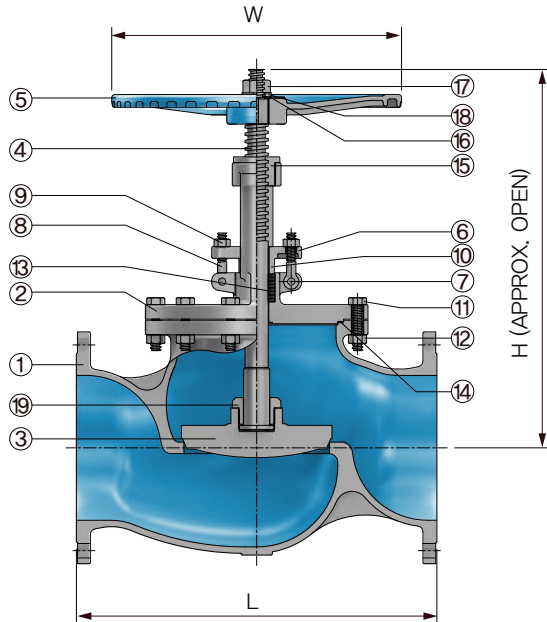
(mm)

CLASS	SIZE	IN	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10	12	14	16	18	20	22	24	26	28	
	DIMENSION	MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600	650	700	
150LB	L : FACE TO FACE (RF)	108	117	127	140	165	178	190	203	229	254	267	292	330	356	381	406	432	457	483	508	559	610		
	H : VALVE OPEN HEIGHT	191	198	230	279	268	318	375	446	525	635	735	890	1135	1325	1450	1730	1920	2090	2500	2640	2895	3040		
	W : HAND WHEEL DIA.	100	100	125	180	180	180	200	200	240	280	280	315	400	400	500	500	550	550	GEAR					
300LB	L : FACE TO FACE (RF)					190	216	241	283	305	381	403	419	457	502	762	838	914	991	1092	1143	1245	1346		
	H : VALVE OPEN HEIGHT					337	374	448	470	545	650	715	965	1170	1340	1671	1880	2150	2510	2645	2784	3218	3312		
	W : HAND WHEEL DIA.					200	200	240	240	240	315	315	400	500	550	550	GEAR								

※ Specification and design are subject to change without notice.

CAST STAINLESS STEEL GLOBE VALVE 10K, 20K

HGL-1



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	BONNET	SCS 13	SCS 14	SCS 16	
3	DISC	SCS 13	SCS 14	SCS 16	
4	STEM	STS 304	STS 316	STS 316L	
5	HAND WHEEL	GCD 450	GCD 450	GCD 450	
6	GLAND FLANGE	SCS 13	SCS 13	SCS 13	
7	HINGE PIN	STS 304	STS 304	STS 304	
8	GLAND BOLT	STS 304	STS 304	STS 304	
9	GLAND NUT	STS 304	STS 304	STS 304	
10	GLAND RING	STS 304	STS 304	STS 304	

No	PART NAME	MATERIAL			REMARK
11	BONNET BOLT	STS 304	STS 304	STS 304	
12	BONNET NUT	STS 304	STS 304	STS 304	
13	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
14	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
15	YOKE BUSH	BC 6 / GCD 450	BC 6 / GCD 450	BC 6 / GCD 450	
16	NAME PLATE	ALP	ALP	ALP	
17	WHEEL NUT	STS 304	STS 304	STS 304	
18	WASHER	STS 304	STS 304	STS 304	
19	DISC NUT	STS 304	STS 316	STS 316L	

NOTE 1. Packing & gasket material : customer's requirements

DIMENSION

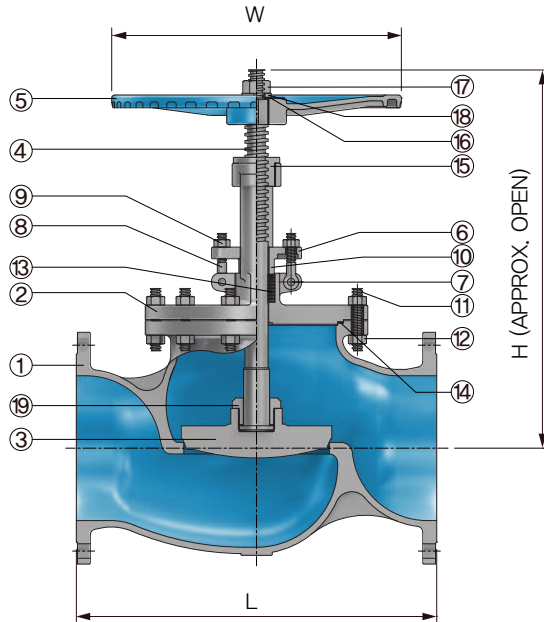
CLASS	SIZE DIMENSION	(mm)																	
		IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450
10K	L : FACE TO FACE (RF)	108	117	127	140	165	203	216	241	292	356	406	495	622	698	787	914	978	1016
	H : VALVE OPEN HEIGHT	186	186	193	240	250	273	316	356	395	455	490	597	720	736	1285	1590		
	W : HAND WHEEL DIA.	125	125	125	140	160	160	200	200	240	280	315	400	500	500	GEAR			
20K	L : FACE TO FACE (RF)					229	267	292	318	356	400	444	559	622	711	838	864	978	1016
	H : VALVE OPEN HEIGHT					275	295	328	357	418	490	530	665	1055	955	1390	1590		
	W : HAND WHEEL DIA.					180	180	200	200	240	315	315	400		GEAR				

※ Specification and design are subject to change without notice.

CAST STAINLESS STEEL

GLOBE VALVE 150LB, 300LB

HGL-15



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	A351 CF8	A351 CF8M	A351 CF3M	
2	BONNET	A351 CF8	A351 CF8M	A351 CF3M	
3	DISC	A351 CF8	A351 CF8M	A351 CF3M	
4	STEM	A276 304	A276 316	A276 316L	
5	HAND WHEEL	GCD 450	GCD 450	GCD 450	
6	GLAND FLANGE	A351 CF8	A351 CF8	A351 CF8	
7	HINGE PIN	A276 304	A276 304	A276 304	
8	GLAND BOLT	A193 B8	A193 B8	A193 B8	
9	GLAND NUT	A194 8	A194 8	A194 8	
10	GLAND RING	STS 304	STS 304	STS 304	

No	PART NAME	MATERIAL			REMARK
11	BONNET BOLT	A193 B8	A193 B8	A193 B8	
12	BONNET NUT	A194 8	A194 8	A194 8	
13	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
14	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
15	YOKE BUSH	BC 6 / GCD 450	BC 6 / GCD 450	BC 6 / GCD 450	
16	NAME PLATE	ALP	ALP	ALP	
17	WHEEL NUT	A194 8	A194 8	A194 8	
18	WASHER	A240 304	A240 304	A240 304	
19	DISC NUT	A276 304	A276 316	A276 316L	

NOTE 1. Packing & gasket material : customer's requirements

DIMENSION

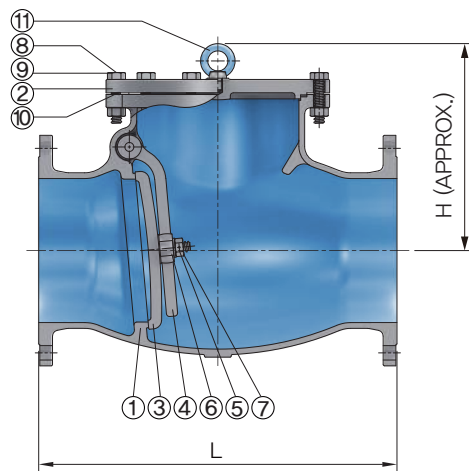
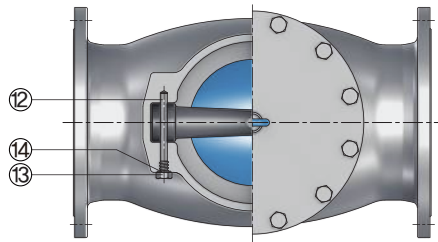
DIMENSION																					(mm)
CLASS	SIZE	IN	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
	DIMENSION	MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
150LB	L : FACE TO FACE (RF)		108	117	127	140	165	203	216	241	292	356	406	495	622	698	787	914	978	1016	1295
	H : VALVE OPEN HEIGHT		186	186	193	240	250	273	316	356	395	455	490	597	720	736	1285	1590			
	W : HAND WHEEL DIA.		125	125	125	140	160	160	200	200	240	280	315	400	500	500	GEAR				
300LB	L : FACE TO FACE (RF)						229	267	292	318	356	400	444	559	622	711	838	864	978	1016	1346
	H : VALVE OPEN HEIGHT						275	295	328	357	418	490	530	665	1055	1155	1390	1590			
	W : HAND WHEEL DIA.						180	180	200	200	240	315	315	400	GEAR						

※ Specification and design are subject to change without notice.

CAST STAINLESS STEEL

SWING CHECK VALVE 10K, 20K

HCH-1



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	COVER	SCS 13	SCS 14	SCS 16	
3	DISC	SCS 13	SCS 14	SCS 16	
4	ARM	SCS 13	SCS 14	SCS 16	
5	SPLIT PIN	STS 304	STS 316	STS 316L	
6	PLATE WASHER	STS 304	STS 316	STS 316L	
7	DISC NUT	STS 304	STS 316	STS 316L	

NOTE 1. gasket material : customer's requirements

No	PART NAME	MATERIAL			REMARK
8	COVER BOLT	STS 304	STS 304	STS 304	
9	COVER NUT	STS 304	STS 304	STS 304	
10	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
11	EYE BOLT	STS 304	STS 304	STS 304	NOTE.2
12	ROD PIN	STS 304	STS 316	STS 316L	
13	PIN BOLT	STS 304	STS 304	STS 304	
14	PLUG GASKET	P.T.F.E	P.T.F.E	P.T.F.E	

NOTE 2. 10K = 250A & Larger / 20K = 125A & Larger

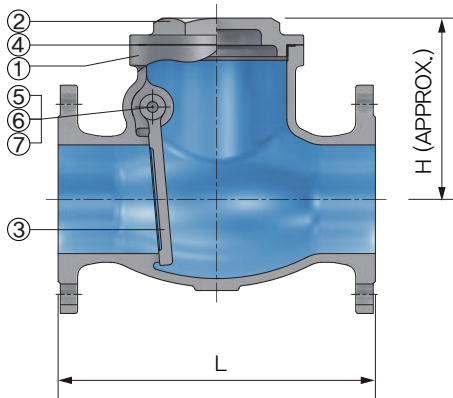
DIMENSION

CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
10K	L : FACE TO FACE (RF)		108	117	127	140	165	203	216	241	292	330	356	495	622	698	787	864	978	978	1295
	H : VALVE HEIGHT		69	70	81	93	96	113	116	139	167	175	208	250	355	410	450	495	510	526	568
20K	L : FACE TO FACE (RF)						241	267	292	318	356	400	444	533	622	711	838	864	978	1016	
	H : VALVE HEIGHT						106	129	139	153	175	252	265	320	345	390					

※ Specification and design are subject to change without notice.

CAST STAINLESS STEEL

SWING CHECK VALVE SCREW BONNET TYPE 10K HCHF



PARTS AND MATERIALS

No	PART NAME	MATERIAL
1	BODY	SCS 13
2	COVER	SCS 13
3	DISC	SCS 13
4	GASKET	P.T.F.E
5	ROD PIN	STS 304
6	PIN BOLT	STS 304
7	PLUG GASKET	P.T.F.E

NOTE 1. gasket material : customer's requirements

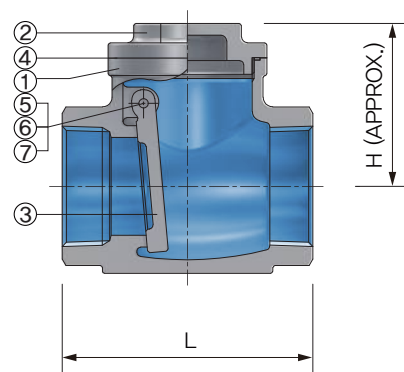
DIMENSION

CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4										
		MM	15	20	25	32	40	50	65	80	100										
10K	L : FACE TO FACE (RF)		108	117	127	136	148	181	205	240	292										
	H : VALVE HEIGHT		68	70	77	71	76	83	114	135	168										

(mm)

CAST STAINLESS STEEL

SWING CHECK VALVE SCREW TYPE 10K HCHS



PARTS AND MATERIALS

No	PART NAME	MATERIAL
1	BODY	SCS 13
2	COVER	SCS 13
3	DISC	SCS 13
4	GASKET	P.T.F.E
5	ROD PIN	STS 304
6	PIN BOLT	STS 304
7	PLUG GASKET	P.T.F.E

NOTE 1. gasket material : customer's requirements

DIMENSION

CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2												
		MM	15	20	25	32	40	50												
10K	L : FACE TO FACE		65	73	89	107	121	129												
	H : VALVE HEIGHT		50	53	60	71	77	87												

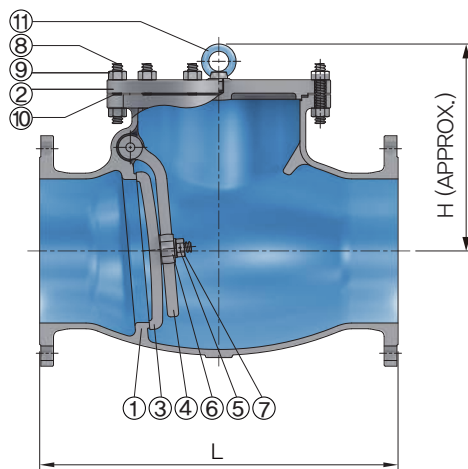
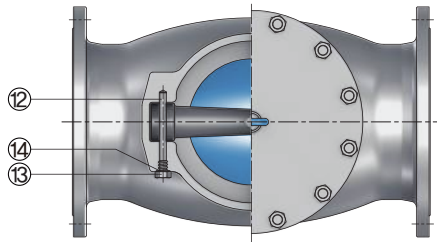
(mm)

※ Specification and design are subject to change without notice.

CAST STAINLESS STEEL

SWING CHECK VALVE 150LB, 300LB

HCH-15



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	A351 CF8	A351 CF8M	A351 CF3M	
2	COVER	A351 CF8	A351 CF8M	A351 CF3M	
3	DISC	A351 CF8	A351 CF8M	A351 CF3M	
4	ARM	A351 CF8	A351 CF8M	A351 CF3M	
5	SPLIT PIN	A580 304	A580 316	A580 316L	
6	PLATE WASHER	A240 304	A240 316	A240 316L	
7	DISC NUT	A194 8	A194 8M	A194 8M	

NOTE 1. gasket material : customer's requirements

No	PART NAME	MATERIAL			REMARK
8	COVER BOLT	A193 B8	A193 B8	A193 B8	
9	COVER NUT	A194 8	A194 8	A194 8	
10	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
11	EYE BOLT	STS 304	STS 304	STS 304	NOTE.2
12	ROD PIN	A276 304	A276 316	A276 316L	
13	PIN BOLT	A276 304	A276 304	A276 304	
14	PLUG GASKET	P.T.F.E	P.T.F.E	P.T.F.E	

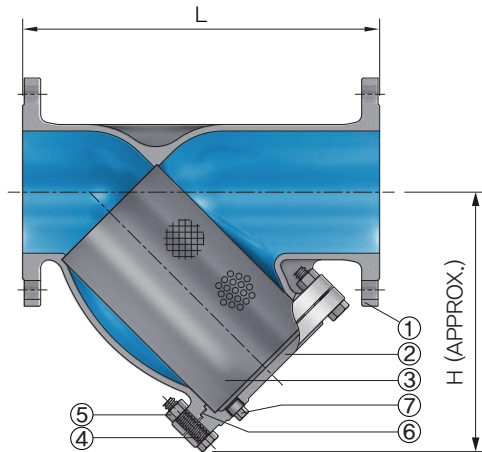
NOTE 2. 150LB = 10" & Larger / 300LB = 5" & Larger

DIMENSION

(mm)																					
CLASS	SIZE	IN	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
	DIMENSION	MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
150LB	L : FACE TO FACE (RF)		108	117	127	140	165	203	216	241	292	330	356	495	622	698	787	864	978	978	1295
	H : VALVE HEIGHT		69	70	81	93	96	113	116	139	167	175	208	250	355	410	450	495	510	526	568
300LB	L : FACE TO FACE (RF)						241	267	292	318	356	400	444	533	622	711	838	864	978	1016	
	H : VALVE HEIGHT						106	129	139	153	175	252	265	320	345	390					

CAST STAINLESS STEEL Y-STRAINER 10K, 20K

HYS-1



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	COVER	SCS 13	SCS 14	SCS 16	
3	SCREEN	STS 304	STS 316	STS 316L	NOTE.2
4	COVER BOLT	STS 304	STS 304	STS 304	

NOTE 1. gasket material : customer's requirements

NOTE 2. 10K 15A ~ 10K 25A = 30MESH

10K 32A & Larger = 40MESH

20K 40A & Larger = 40MESH

NOTE 3. 10K = 65A & Larger / 20K = 40A & Larger

No	PART NAME	MATERIAL			REMARK
5	COVER NUT	STS 304	STS 304	STS 304	
6	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
7	PLUG	STS 304	STS 316	STS 316L	NOTE.3

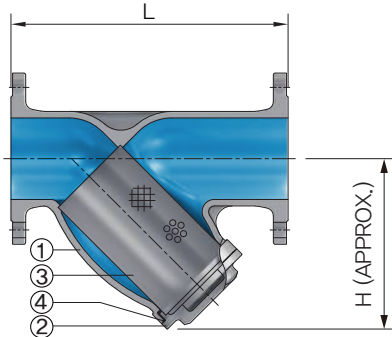
DIMENSION

(mm)

CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16			
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400			
10K	L : FACE TO FACE (RF)		136	140	160	200	200	232	268	287	340	392	438	540	672	774	800	875			
	H : VALVE HEIGHT		87	88	94	136	126	141	182	204	234	293	305	385	470	555	620	665			
20K	L : FACE TO FACE (RF)						207	230	280	318	350	395	470	575	710						
	H : VALVE HEIGHT						125	148	192	210	240	285	330	430	560						

CAST STAINLESS STEEL

Y-STRAINER SCREW BONNET TYPE 10K HYSF



PARTS AND MATERIALS

No	PART NAME	MATERIAL	REMARK
1	BODY	SCS 13	
2	COVER	SCS 13	
3	SCREEN	SUS 304	NOTE.2
4	GASKET	P.T.FE	

NOTE 1. gasket material : customer's requirements

NOTE 2. 10K 15A ~ 10K 50A = 30MESH

10K 65A ~ 10K 100A = 40MESH

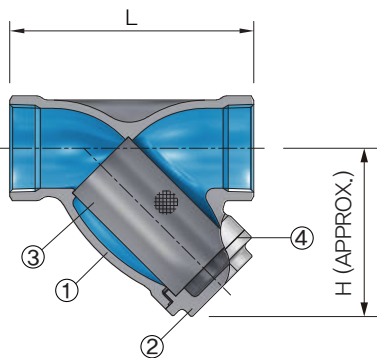
DIMENSION

CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4											(mm)
		MM	15	20	25	32	40	50	65	80	100											
10K	L : FACE TO FACE (RF)		136	140	160	172	182	232	268	287	340											
	H : VALVE HEIGHT		75	77	84	88	105	128	158	179	209											

CAST STAINLESS STEEL

Y-STRAINER SCREW TYPE 10K

HYSS



PARTS AND MATERIALS

No	PART NAME	MATERIAL	REMARK
1	BODY	SCS 13	
2	COVER	SCS 13	
3	SCREEN	SUS 304	MESH 30
4	GASKET	P.T.FE	

NOTE 1. gasket material : customer's requirements

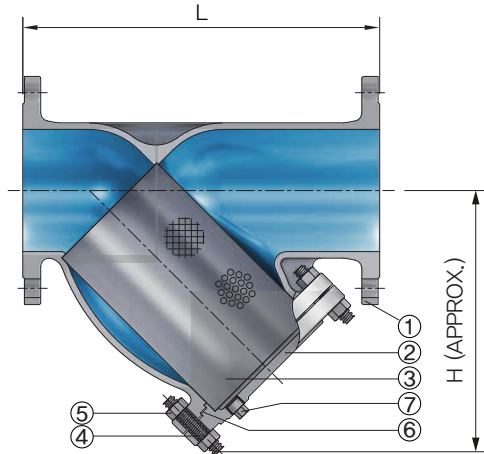
DIMENSION

CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2													(mm)
		MM	15	20	25	32	40	50													
10K	L : FACE TO FACE		77	95	106	126	145	177													
	H : VALVE HEIGHT		59	67	82	90	114	123													

CAST STAINLESS STEEL

Y-STRAINER 150LB, 300LB

HYS-15



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	A351 CF8	A351 CF8M	A351 CF3M	
2	COVER	A351 CF8	A351 CF8M	A351 CF3M	
3	SCREEN	A240 304	A240 316	A240 316L	NOTE.2
4	COVER BOLT	A193 B8	A193 B8	A193 B8	

NOTE 1. gasket material : customer's requirements

NOTE 2. 150LB 1/2" ~ 1" = 30MESH

150LB 1 1/4" & Larger = 40MESH

300LB 1 1/2" & Larger = 40MESH

No	PART NAME	MATERIAL			REMARK
5	COVER NUT	A194 8	A194 8	A194 8	
6	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
7	PLUG	A276 304	A276 316	A276 316L	

DIMENSION

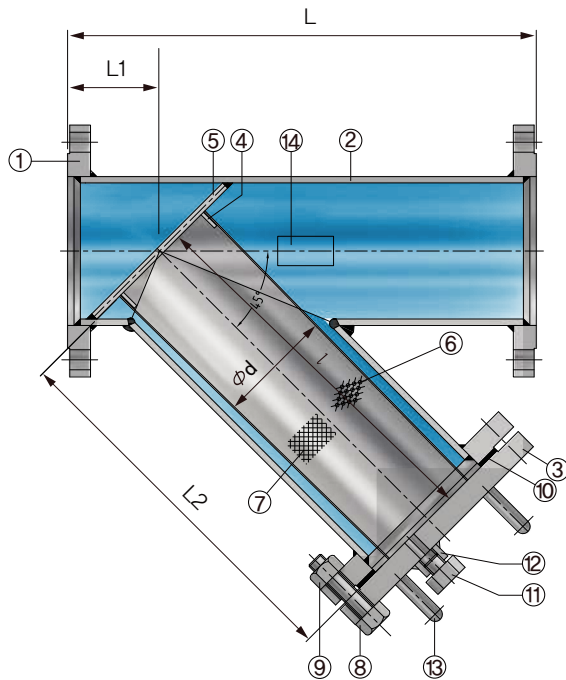
CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16			
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400			
150LB	L : FACE TO FACE (RF)		136	140	160	200	200	232	268	287	340	392	438	540	672	774	800	875			
	H : VALVE HEIGHT		87	88	94	136	126	141	182	204	234	293	305	385	470	555	620	665			
300LB	L : FACE TO FACE (RF)						213	240	291	332	366	413	488	598	738						
	H : VALVE HEIGHT						125	148	192	210	240	285	330	430	560						

(mm)

STAINLESS STEEL

제관 Y - TYPE STRAINER

HYS-W1



PARTS AND MATERIALS

No	PART NAME	MATERIAL
1	FLANGE	STS / CS
2	BODY PIPE	STS / CS
3	COVER	STS / CS
4	HOLDER RING	STS / CS
5	GUIDE PLATE	STS / CS
6	SCREEN	STS
7	MESH	STS

No	PART NAME	MATERIAL
8	COVER BOLT	STS / CS
9	COVER NUT	STS / CS
10	GASKET	COMMERCIAL
11	DRAIN PLUG	STS / CS
12	HALF COUPLING	STS / CS
13	COVER HANDLE	STS / CS
14	NAME PLATE	STS

NOTE 1. gasket material : customer's requirements

- Y형 STRAINER는 통상 원통형의 ELEMENT를 하부로 경사지게 부착하는 형으로 비교적 설치가 간편하다.
- ELEMENT가 원통형이며 SEAT가 COVER에 정확히 장착되어 있으므로 미여과 유체의 BYPASS가 전혀없다.
- 접속FLANGE는 주문사양에 따라 제작가능하며 재질은 표준품외에 STAINLESS 및 합금강 등 각종재질로 생산된다.
- 두께는 설계압력, 온도 및 부식정도에 따라 변경되고 부속품도 각용도 및 사용상에 적합하도록 구비되어 있다.

DIMENSION

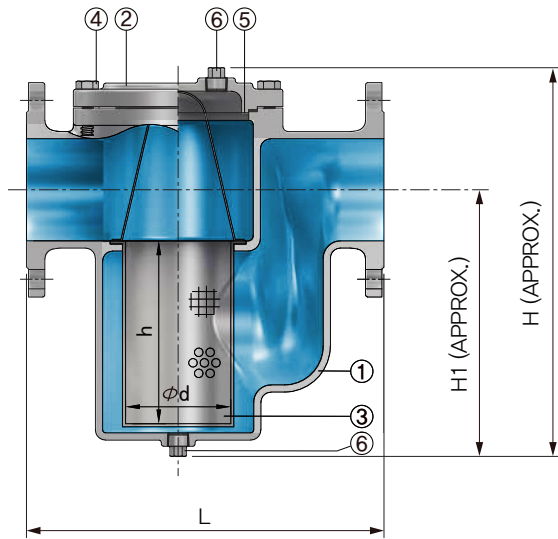
SIZE		(mm)																	
DIMENSION	IN	1	1½"	2	2½"	3	4	5	6	8	10	12	14	16	18	20	24	26	30
	MM	25	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	750
L		180	220	235	300	320	400	425	480	580	680	800	930	1000	1100	1200	1400	1500	1900
L1		48	63	52	76	90	105	110	120	150	190	210	255	260	290	320	380	360	545
L2		180	220	225	280	300	366	400	460	550	650	700	750	867	930	1077	1150	1200	1500
d		22	32	37	48	60	80	110	120	170	220	250	280	340	380	430	500	550	620
l		183	223	228	283	303	369	403	463	553	653	703	758	870	933	1080	1153	1203	1503
Plug(PT)		½"	½"	½"	½"	½"	½"	½"	½"	½"	¾"	¾"	¾"	¾"	¾"	¾"	1"	1"	1"

- 전체 SIZE 주문자 치수 생산가능

CAST STAINLESS STEEL

BUCKET STRAINER 10K (150LB)

HBS-1



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	COVER	SCS 13	SCS 14	SCS 16	
3	SCREEN	STS 304	STS 316	STS 316L	MESH 40

NOTE 1. gasket material : customer's requirements

No	PART NAME	MATERIAL			REMARK
4	COVER BOLT	STS 304	STS 304	STS 304	
5	GASKET	P.T.F.E.	P.T.F.E.	P.T.F.E.	
6	PLUG	STS 304	STS 316	STS 316L	

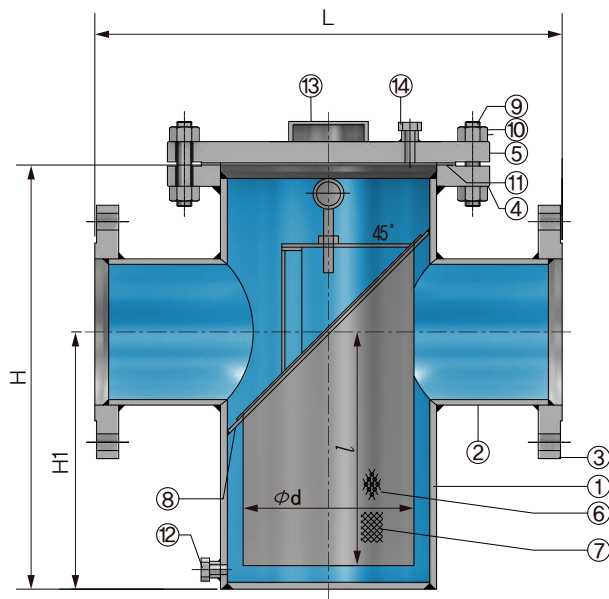
DIMENSION

CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10					
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250					
10K 150LB	L : FACE TO FACE (RF)				180	230	230	230	280	300	350	457	500	564	670					
	H : VALVE HEIGHT				185	225	225	240	305	320	375	480	540	585	680					
	H1 :				123	152	155	165	218	230	270	355	400	420	480					
	d :				40	50	50	60	80	90	110	140	170	195	250					
	h :				67	90	90	95	120	140	180	240	270	275	310					

STAINLESS STEEL

제관 BUCKET - TYPE STRAINER

HBS-W1



PARTS AND MATERIALS

No	PART NAME	MATERIAL
1	SHELL(ROLLING)	STS / CS
2	NOZZLE(ROLLING)	STS / CS
3	NOZZLE FLANGE	STS / CS
4	SHELL FLANGE	STS / CS
5	COVER FLANGE	STS / CS
6	SCREEN	STS
7	MESH	STS

No	PART NAME	MATERIAL
8	SCREEN SUPPORT	STS / CS
9	COVER BOLT	STS / CS
10	COVER NUT	STS / CS
11	GASKET	COMMERCIAL
12	DRAIN PLUG	STS / CS
13	COVER HANDLE	STS / CS
14	VENT PLUG	STS / CS

NOTE 1. gasket material : Customer's Requirements

- 수평배관에 설치하는 BUCKET STRAINER ELEMENT 면적이 넓어 투과에 유리함.
- CARBON STEEL, STAINLESS STEEL 등
- KS, JIS, ANSI 등의 규격에 준하여 제작.

DIMENSION

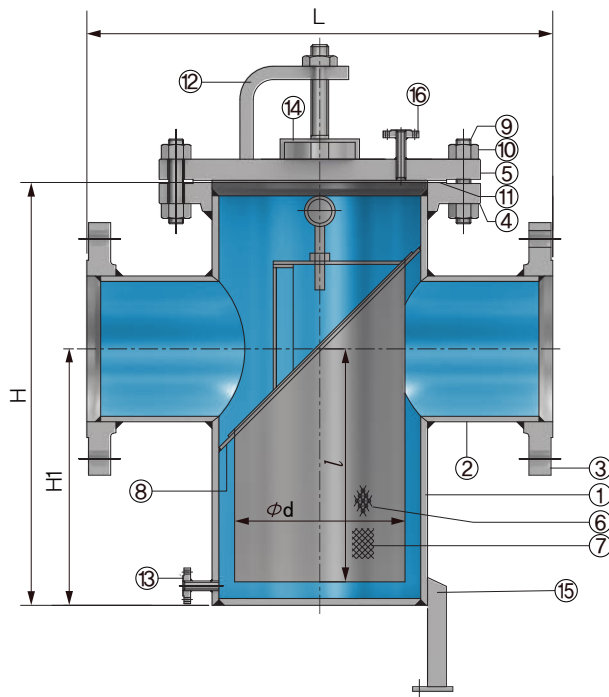
SIZE	(mm)																
	IN	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	28	40
DIMENSION	MM	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	1000
L		350	380	400	420	440	580	650	700	720	850	1000	1100	1200	1300	1400	2000
H		340	370	400	460	510	650	840	890	930	1120	1200	1400	1500	1700	1800	2170
H1		190	200	220	300	350	400	560	600	640	750	850	1000	1060	1150	1240	1250
d		70	100	100	130	150	180	220	280	300	360	400	460	500	620	700	1040
l		140	160	170	240	300	330	480	550	570	700	770	900	960	1030	1110	1040
Plug(PT)		½"	½"	½"	½"	½"	½"	½"	¾"	¾"	¾"	¾"	¾"	¾"	1"	1"	1"

- 전체 SIZE 주문자 치수 생산가능

STAINLESS STEEL

제관 CRANE - TYPE BUCKET STRAINER

HBS-W1H



PARTS AND MATERIALS

No	PART NAME	MATERIAL
1	SHELL(PIPE)	STS
2	NOZZLE(PIPE)	STS
3	NOZZLE FLANGE	STS
4	SHELL FLANGE	STS
5	COVER FLANGE	STS
6	SCREEN	STS
7	MESH	STS
8	SCREEN SUPPORT	STS

No	PART NAME	MATERIAL
9	COVER BOLT	STS
10	COVER NUT	STS
11	GASKET	COMMERCIAL
12	DAVIT	STS
13	DRAIN FLANGE	STS
14	COVER HANDLE	STS
15	SUPPORT	STS
16	VENT FLANGE	STS

NOTE 1. gasket material : Customer's Requirements

- 수평배관에 설치하는 BUCKET STRAINER ELEMENT 면적이 넓어 통과에 유리함. COVER의 탈부착이 유리함.
- CARBON STEEL, STAINLESS STEEL 등
- KS, JIS, ANSI 등의 규격에 준하여 제작.

DIMENSION

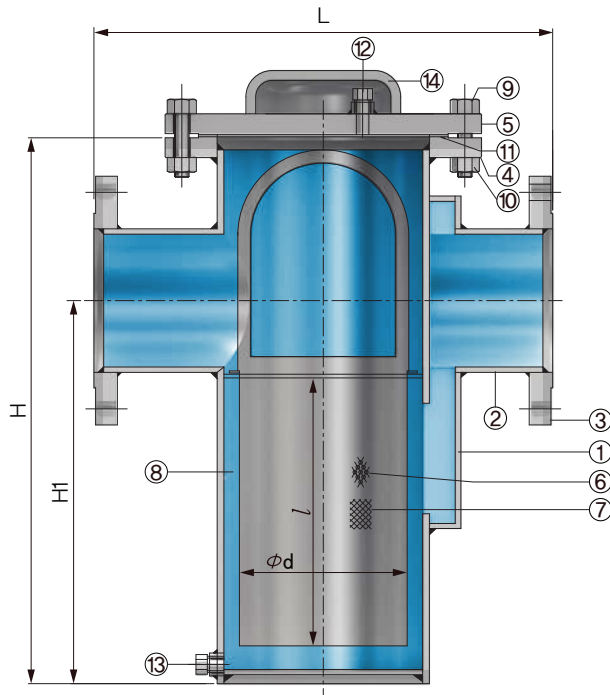
SIZE	(mm)																
	IN	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	28	40
DIMENSION	MM	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	1000
L		350	380	400	420	440	580	650	700	720	850	1000	1100	1200	1300	1400	2000
H		340	370	400	460	510	650	840	890	930	1120	1200	1400	1500	1700	1800	2170
H1		190	200	220	300	350	400	560	600	640	750	850	1000	1060	1150	1240	1250
d		70	100	100	130	150	180	220	280	300	360	400	460	500	620	700	1040
l		140	160	170	240	300	330	480	550	570	700	770	900	960	1030	1110	1040
Plug(PT)		½"	½"	½"	½"	½"	½"	½"	¾"	¾"	¾"	¾"	¾"	¾"	1"	1"	1"

- 전체 SIZE 주문자 치수 생산가능

STAINLESS STEEL

제관 U - TYPE BUCKET STRAINER

HBS-W2



PARTS AND MATERIALS

No	PART NAME	MATERIAL
1	SHELL(PIPE)	STS / CS
2	NOZZLE(PIPE)	STS / CS
3	NOZZLE FLANGE	STS / CS
4	SHELL FLANGE	STS / CS
5	COVER FLANGE	STS / CS
6	SCREEN	STS
7	MESH	STS

No	PART NAME	MATERIAL
8	SCREEN SUPPORT	STS / CS
9	COVER BOLT	STS / CS
10	COVER NUT	STS / CS
11	GASKET	COMMERCIAL
12	VENT	STS / CS
13	DRAIN PLUG	STS / CS
14	COVER HANDLE	STS / CS

NOTE 1. gasket material : customer's requirements

- 수평배관에 설치하는 BUCKET 형 STRAINER 중 ELEMENT SEALING 및 차압(ΔP)면에서 유리한 반면 출구쪽 SIDE SHELL을 이용하므로 고온 고압에 불리하다.
- CARBON STEEL, STAINLESS STEEL 등
- KS, JIS, ANSI 등의 규격에 준하여 제작.

DIMENSION

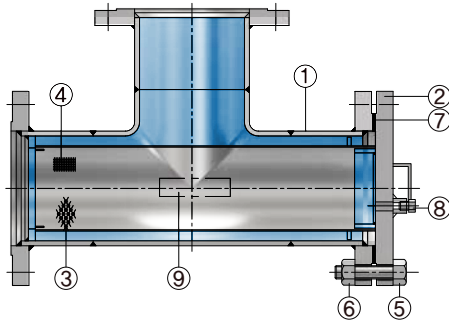
SIZE	(mm)														
	IN	2	2½	3	4	5	6	8	10	12	14	16	18	20	24B
DIMENSION	MM	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L		350	380	400	480	500	620	780	820	940	970	1120	1160	1300	1400
H		370	400	420	500	550	650	840	890	930	1120	1200	1400	1500	1700
H1		230	250	250	340	390	400	560	600	640	750	850	1000	1060	1150
d		80	90	100	110	160	200	240	260	300	350	400	450	500	580
l		140	140	150	220	250	260	380	400	410	500	550	700	720	750
Plug(PT)		½"	½"	½"	½"	½"	½"	½"	¾"	¾"	¾"	¾"	¾"	¾"	¾"

- 전체 SIZE 주문자 치수 생산가능

STAINLESS STEEL

제관 T - TYPE STRAINER

HTS-W1

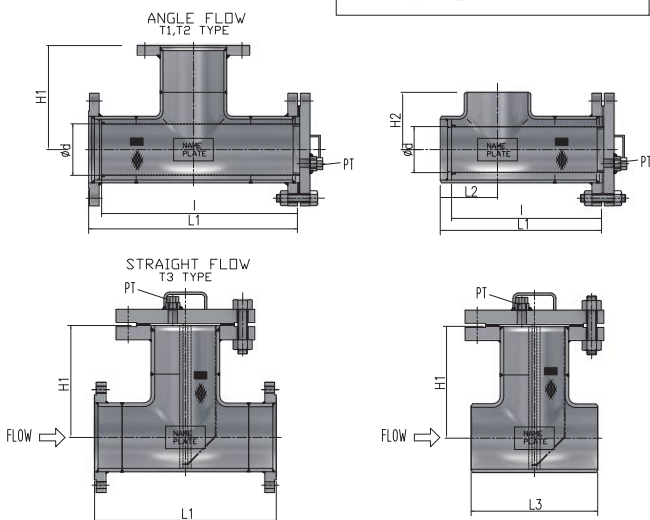


PARTS AND MATERIALS

No	PART NAME	MATERIAL
1	BODY	STS / CS
2	COVER	STS / CS
3	SCREEN	STS
4	MESH	STS
5	BOLT	STS / CS
6	NUT	STS / CS
7	GASKET	COMMERCIAL
8	PLUG	F304 / A105
9	NAME PLATE	STS

NOTE 1. gasket material : Customer's Requirements

- CARBON STEEL, STAINLESS STEEL 등
- KS, JIS, ANSI 등의 규격에 준하여 제작.
- 공장 및 석유화학 플랜트 분야에서 PUMP SUCTION에 많이 사용되고 있으며 설계시 유체의 흐름방향을 고려해야 할 필요가 있다.
- TEE-TYPE은 Y-TYPE에 비하여 유효면적 및 압력손실이 모두 유리하며 CONNECTION은 용접형으로 사용하는 것이 보통이며 현장상황에 따라 FLANGE로 체결하기도 한다.
- ANGLE TYPE의 경우 ELBOW등의 설치가 불필요하며 원가절감의 효과도 동시에 얻을 수 있다.



DIMENSION

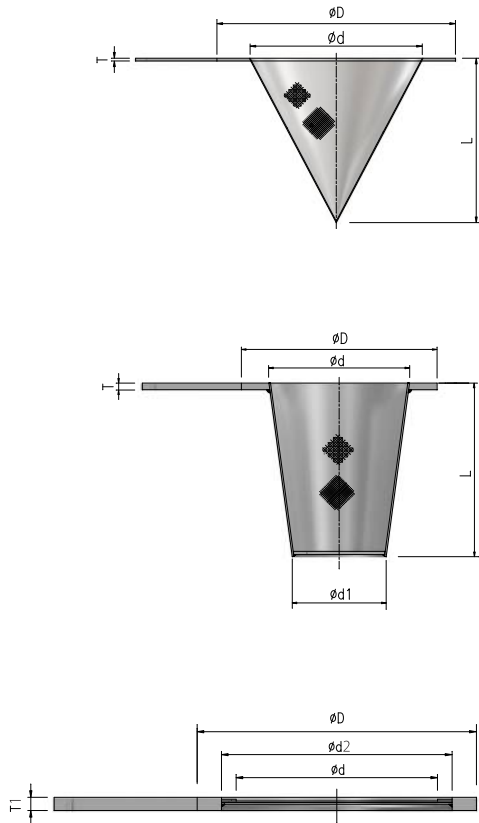
(mm)

DIMENSION	SIZE	1	1½	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
		25	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L1		200	220	268	306	332	362	446	484	578	668	770	846	870	960	1000	1300
L2		38.1	57.2	63.5	76.2	85.7	104.8	123.8	142.9	177.8	215.9	254	279.4	304.8	342.9	381	431.8
L3		76.2	114.4	127	152.4	171.4	209.6	247.6	285.8	355.6	431.8	508	558.8	609.6	685.8	762	863.6
H1		100	110	134	153	166	181	223	242	289	334	385	423	435	480	500	650
H2		38.1	57.2	63.5	76.2	85.7	104.8	123.8	142.9	177.8	215.9	254	279.4	304.8	342.9	381	431.8
d		20	30	40	45	55	75	85	115	160	200	240	270	320	350	400	450
l		170	190	240	280	300	330	415	455	540	630	730	800	820	910	950	1220
Plug(PT)		½"	½"	½"	½"	½"	½"	½"	½"	½"	¾"	¾"	¾"	¾"	¾"	¾"	¾"

- 650A이상 주문생산 가능
- 전 SIZE 주문자 치수 생산가능

STAINLESS STEEL

TEMPORARY STRAINER



- CARBON STEEL, STAINLESS STEEL 등 ● KS, JIS, ANSI 등의 규격에 준하여 제작.
- 배관라인의 시운전시 사용되며 또 정기점검 후 분해하는 것이 보통이지만 최근 AIR COMPRESSOR SUCTION이나 LNG 등과 같이 통상적으로 이물질이 거의 발생치 않는 라인에 영구적으로도 사용된다.

DIMENSION

(mm)

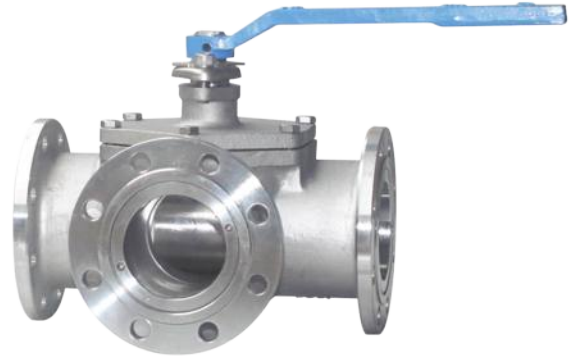
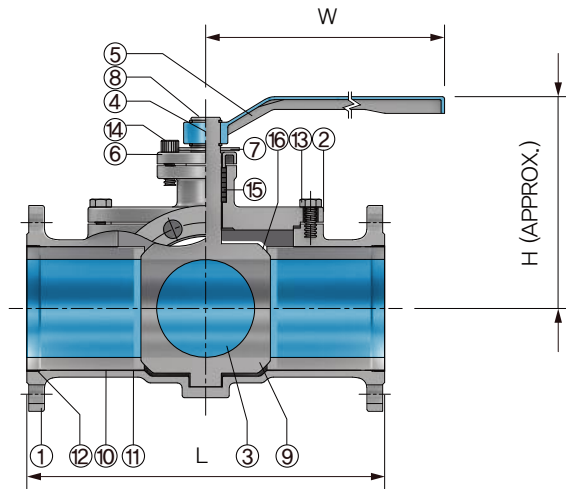
SIZE	L	ØD		Ød	Ød1	Ød2	T	T1
		JIS 10K	ANSI 150					
15A	25	55	45	13	13	28	3	4
20A	30	60	55	18	15	35	3	4
25A	40	71	64	22	16	40	3	4
32A	45	81	74	22	16	45	3	4
40A	50	86	83	30	21	47	3	4
50A	60	101	101	45	32	70	3	4
65A	70	121	120	50	35	80	3	4
80A	80	131	133	65	45	100	3	4
100A	100	156	171	86	60	130	3	4
125A	120	187	194	110	77	150	3	4
150A	140	217	219	135	95	180	3	6
200A	190	267	276	180	126	220	4	6
250A	230	330	337	230	160	280	4	6
300A	270	375	406	280	196	350	4	6
350A	310	420	447	320	224	390	4	6
400A	350	483	507	370	259	420	5	6
450A	410	538	543	420	295	480	5	6
500A	460	593	600	465	325	520	5	6
600A	500	695	692	560	390	650	5	6

● 600A 이상도 주문제작 가능함.

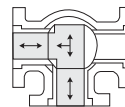
CAST STAINLESS STEEL

3-WAY BALL VALVE 10K, 150LB

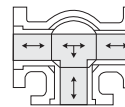
H3WT



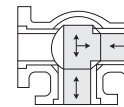
T-PORT



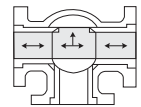
0-POSITION



90-POSITION

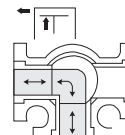


180-POSITION

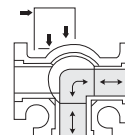


270-POSITION

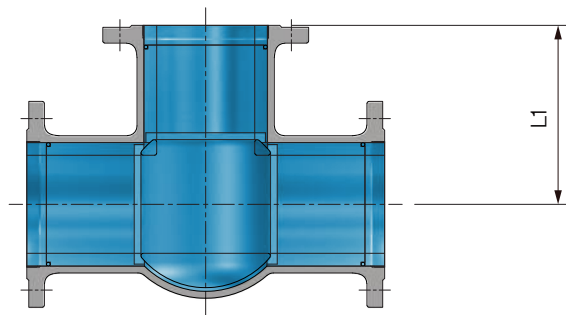
L-PORT



0-POSITION



90-POSITION



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	CAP	SCS 13	SCS 14	SCS 16	
3	BALL	SCS 13	SCS 14	SCS 16	
4	STEM	STS 304	STS 316	STS 316L	
5	HAND LEVER	GCD 450	GCD 450	GCD 450	
6	GLAND FLANGE	SCS 13	SCS 13	SCS 13	
7	STOPPER	STS 304	STS 304	STS 304	
8	SNAP RING	SK 5	SK 5	SK 5	

No	PART NAME	MATERIAL			REMARK
9	SEAT RING	P.T.F.E.	P.T.F.E.	P.T.F.E.	
10	SEAT RING CASE	SCS 13	SCS 14	SCS 16	
11	O RING	VITON	VITON	VITON	
12	RETAINER	SCS 13	SCS 14	SCS 16	
13	CAP BOLT	STS 304	STS 304	STS 304	
14	GLAND BOLT	STS 304	STS 304	STS 304	
15	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
16	GASKET	R.T.F.E	R.T.F.E	R.T.F.E	

NOTE 1. Packing & gasket material : customer's requirements

DIMENSION

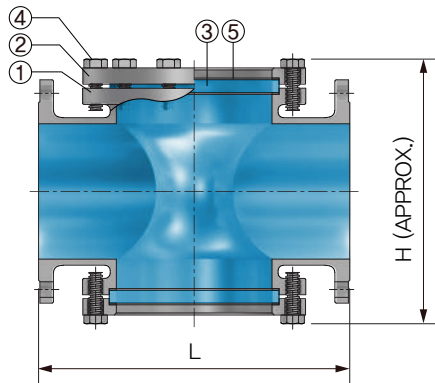
(mm)

CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14				
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350				
10K 150LB	L : FACE TO FACE (RF)				200		200	218	250	290	365	412	430	580							
	H : VALVE HEIGHT				152		175	185	209	217	223	270	290	400							
	W : HAND WHEEL DIA.				240		240	240	360	360	360	470	470	550							

CAST STAINLESS STEEL

SIGHT GLASS (CROSS TYPE) 10K, 150LB

HSGC



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	COVER	SCS 13	SCS 14	SCS 16	
3	GLASS	HARD	HARD	HARD	PYREX

No	PART NAME	MATERIAL			REMARK
4	COVER BOLT	STS 304	STS 304	STS 304	
5	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	

NOTE 1. gasket material : customer's requirements.

※ FLAPPER TYPE, BALL TYPE 주문생산

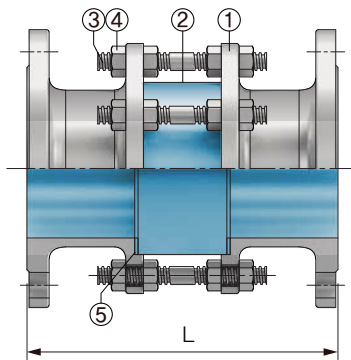
DIMENSION

CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	(mm)				
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250					
10K 150LB	L : FACE TO FACE (RF)		150	150	170	200	200	220	255	259	287	340	382	466	540					
	H : VALVE HEIGHT		121	121	154	157	170	180	200	225	259	301	315	391	453					

CAST STAINLESS STEEL

SIGHT GLASS (LANTERN TYPE) 10K, 150LB

HSGL



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	GLASS	HARD GLASS	HARD GLASS	HARD GLASS	PYREX
3	COVER BOLT	STS 304	STS 304	STS 304	

No	PART NAME	MATERIAL			REMARK
4	COVER NUT	STS 304	STS 304	STS 304	
5	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	

NOTE 1. gasket material : customer's requirements

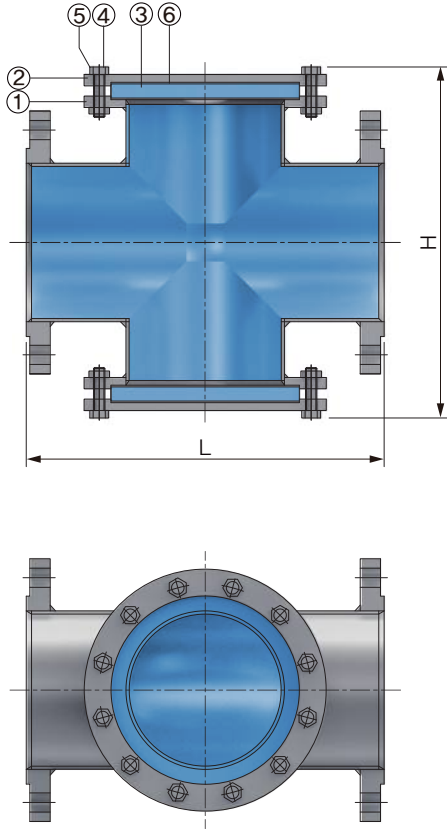
DIMENSION

CLASS	SIZE DIMENSION	IN	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10							(mm)
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250							
10K 150LB	L : FACE TO FACE (RF)				220	220	220	240	240	240	260	280	280	280	300							

STAINLESS STEEL

제관 SIGHT GLASS (CROSS TYPE) 10K, 150LB

HSGC-W



PARTS OF MATERIAL

No	PART NAME	MATERIAL	REMARK
1	BODY	SUS 304	
2	COVER	SCS 13	
3	GLASS	HARD	

No	PART NAME	MATERIAL	REMARK
4	COVER BOLT	STS 304	
5	COVER NUT	STS 304	
6	GASKET	P.T.F.E	

NOTE 1. gasket material : customer's requirements
 2. 18"(450A) 이상 주문제작

DIMENSION

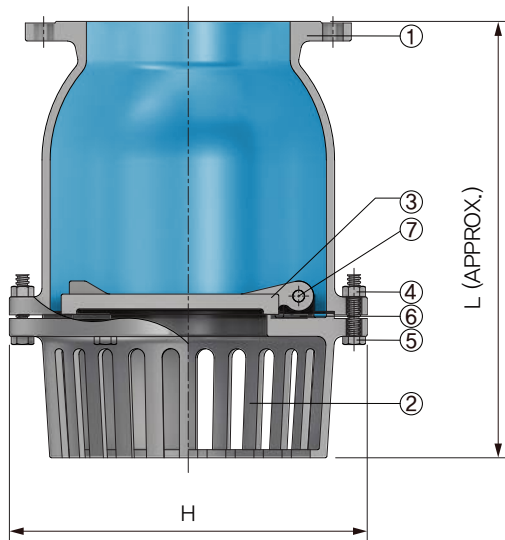
CLASS	SIZE DIMENSION	IN	12	14	16	18	20	22	24	28										
		MM	300	350	400	450	500	550	600	700										
10K 150LB	L : FACE TO FACE (RF)		600	650	700															
	H : VALVE HEIGHT		600	630	700															

(mm)

CAST STAINLESS STEEL

FOOT VALVE 10K, 150LB

HFT-1



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	COVER	SCS 13	SCS 14	SCS 16	
3	DISC	SCS 13	SCS 14	SCS 16	
4	COVER BOLT	STS 304	STS 304	STS 304	

No	PART NAME	MATERIAL			REMARK
5	COVER NUT	STS 304	STS 304	STS 304	
6	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
7	ROD PIN	STS 304	STS 316	STS 316L	

NOTE 1. gasket material : customer's requirements

※ LEVER TYPE 주문생산

DIMENSION

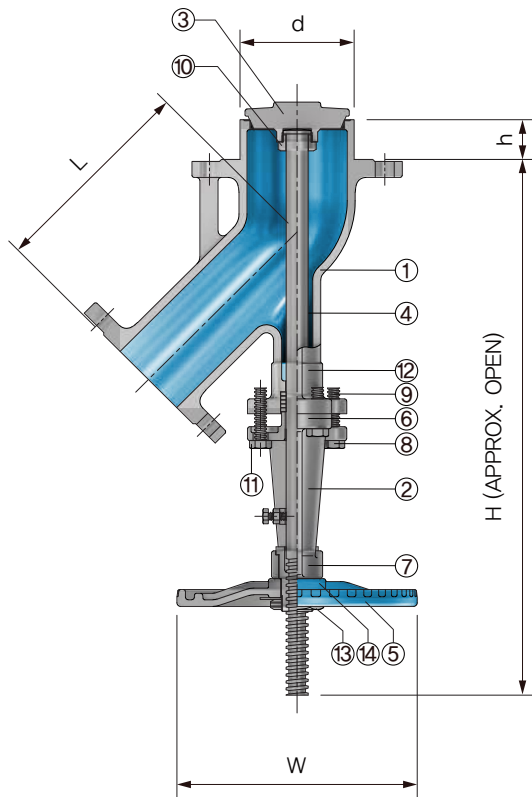
CLASS	SIZE DIMENSION	IN	1½	2	2½	3	4	5	6	8	10	12	14	16
		MM	40	50	65	80	100	125	150	200	250	300	350	400
10K	L : FACE TO FACE (RF)		172	187	220	263	310	363	388	446	540	610	715	810
	H : VALVE HEIGHT		145	165	185	229	248	288	315	390	435	505	560	620

* 주문제작 (mm)

18	20	22	24
450	500	550	600
950	1000	1150	1200
680	700	770	830

CAST STAINLESS STEEL

TANK BOTTOM FLUSH VALVE(UPPER TYPE) 10K, 150LB HTA-1



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	YOKE	SCS 13	SCS 14	SCS 16	
3	DISC	SCS 13	SCS 14	SCS 16	
4	STEM	STS 304	STS 316	STS 316L	
5	HAND WHEEL	GCD 450	GCD 450	GCD 450	
6	GLAND FLANGE	SCS 13	SCS 14	SCS 16	
7	STOPPER	STS 304	STS 304	STS 304	

NOTE 1. Packing material : customer's requirements

No	PART NAME	MATERIAL			REMARK
8	YOKE BOLT	STS 304	STS 304	STS 304	
9	YOKE NUT	STS 304	STS 304	STS 304	
10	DISC NUT	STS 304	STS 316	STS 316L	
11	GLAND BOLT	STS 304	STS 304	STS 304	
12	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
13	WHEEL NUT	SB 41	SB 41	SB 41	
14	YOKE SLEEVE	BC 6	BC 6	BC 6	

DIMENSION

CLASS	SIZE DIMENSION	IN	1½	2	2½	3	4	5	6		
		MM	40	50	65	80	100	125	150		
10K	L : FACE TO FACE (RF)		144	165	190	215	240	255	310		
	H : VALVE OPEN HEIGHT		335	352	425	487	543	540	710		
	W :		180	180	200	240	240	280	320		
	d :		48	60	76	89	114	139	165		
	h :		30	30	35	35	40	45	45		

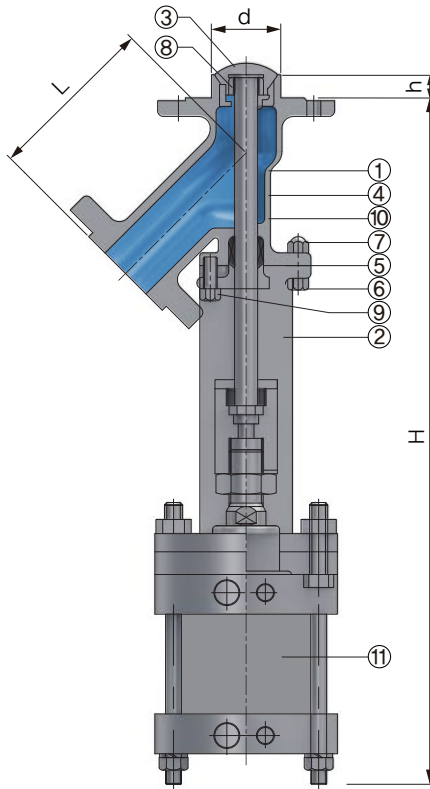
DIMENSION

CLASS	SIZE DIMENSION	IN	2x1½	2½x2	3x2	3x2½	4x3	5x4	6x5		
		MM	50x40	65x50	80x50	80x65	100x80	125x100	150x125		
10K	L : FACE TO FACE (RF)		170	195	185	220	212	230	310		
	H : VALVE OPEN HEIGHT		355	423	467	488	542	600	710		
	W :		180	200	240	240	240	280	320		
	d :		60	76	89	89	114	139	165		
	h :		30	35	35	35	40	45	45		

CAST STAINLESS STEEL

PNEUMATIC TANK BOTTOM FLUSH VALVE(UPPER TYPE) 10K, 150LB

HTA-AU



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	YOKE	SCS 13	SCS 14	SCS 16	
3	DISC	SCS 13	SCS 14	SCS 16	
4	STEM	STS 304	STS 316	STS 316L	
5	GLAND FLANGE	SCS 13	SCS 14	SCS 16	
6	YOKE BOLT	STS 304	STS 304	STS 304	

No	PART NAME	MATERIAL			REMARK
7	YOKE NUT	STS 304	STS 304	STS 304	
8	DISC NUT	STS 304	STS 316	STS 316L	
9	GLAND BOLT	STS 304	STS 304	STS 304	
10	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
11	AIR CYLINDER				

NOTE 1. Packing material : customer's requirements

DIMENSION

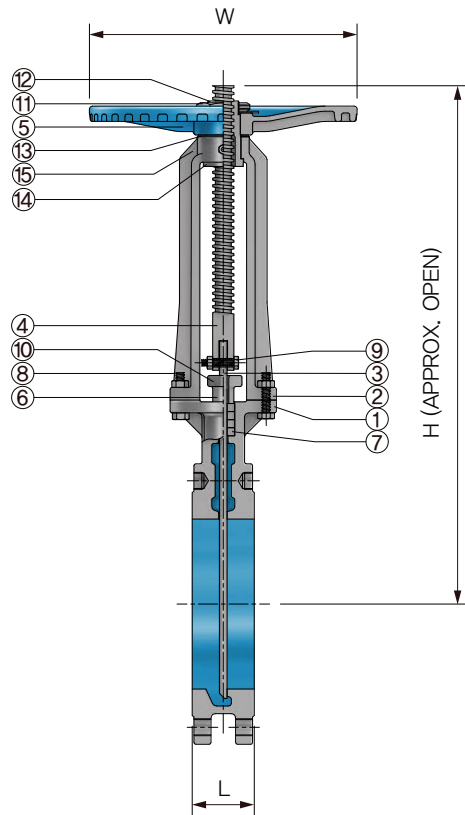
(mm)

CLASS	SIZE	IN	½	¾	1	1½	2	2½	3	4	5	6	8	10	12	14	16				
	DIMENSION	MM	15	20	25	40	50	65	80	100	125	150	200	250	300	350	400				
10K 150LB	L : FACE TO FACE (RF)	-	-	130	160	170	195	215	250	255	310	360	-	-	-	-					
	H : VALVE HEIGHT	-	-	390	420	520	635	680	700	780	800	920	-	-	-	-					
	h :	-	-	30	30	30	35	35	40	45	45	80	-	-	-	-					
	d :	-	-	38	48	60	76	89	114	139	165	210	-	-	-	-					

CAST STAINLESS STEEL

KNIFE GATE VALVE 10K(LUG)

HKG



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	YOKE	SCS 13	SCS 14	SCS 16	
3	DISC	SCS 13	SCS 14	SCS 16	
4	STEM	STS 304	STS 316	STS 316L	
5	HANDWHEEL	GCD 450	GCD 450	GCD 450	
6	GLAND	SCS 13	SCS 14	SCS 16	
7	GLAND PACKING	TEFLON/ ASBESTOS	TEFLON/ ASBESTOS	TEFLON/ ASBESTOS	

No	PART NAME	MATERIAL			REMARK
8	YOKE BOLT/NUT	STS 304	STS 304	STS 304	
9	DISC BOLT/NUT	STS 304	STS 304	STS 304	
10	GLAND BOLT/NUT	STS 304	STS 304	STS 304	
11	NAME PLATE	ALP	ALP	ALP	
12	WHEEL NUT	SB 41	SB 41	SB 41	
13	THRUST WASHER	STS 304	STS 304	STS 304	
14	YOKE SLEEVE	GCD 450	GCD 450	GCD 450	
15	GREASE NIPPLE	BRASS	BRASS	BRASS	

NOTE 1. Packing material : customer's requirements

- 입자와 점도가 큰 유체에 사용.
- 개폐 빈도 수가 적을 때 사용.
- 물, 에어, 기름라인에 사용 제한.

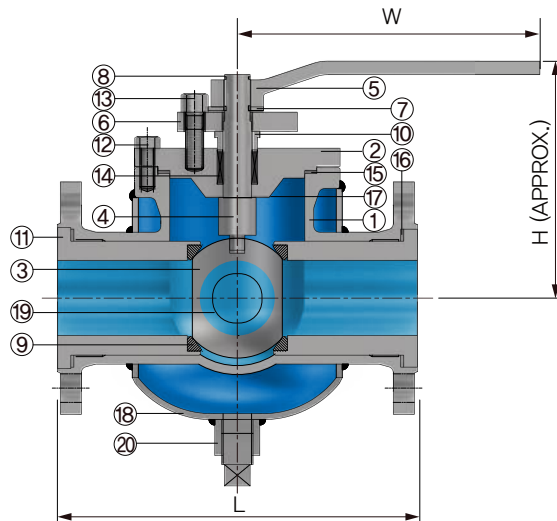
DIMENSION

CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	
		MM	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	
10K	L : FACE TO FACE	-	-	-	-	-	-	47	51	51	51	57	57	70	70	76	76	89	114	114	
	H : VALVE OPEN HEIGHT	-	-	-	-	-	-	360	395	440	510	580	640	810	1020	1200	1350	1550	1800	2150	
	W : HAND WHEEL DIA.	-	-	-	-	-	-	200	200	200	200	240	240	320	400	400	400	400	500	500	

(mm)

CAST STAINLESS STEEL

SEMI-JACKET BALL VALVE 10K, 20K, 150LB, 300LB HJB-M1



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	COVER	SCS 13	SCS 14	SCS 16	
3	BALL	SCS 13	SCS 14	SCS 16	
4	STEM	STS 304	STS 316	STS 316L	
5	HAND LEVER	GCD 450	GCD 450	GCD 450	
6	GLAND FLANGE	SCS 13	SCS 13	SCS 13	
7	STOPPER	STS 304	STS 304	STS 304	
8	SNAP RING	SK 5	SK 5	SK 5	
9	SEAT RING	P.T.F.E	P.T.F.E	P.T.F.E	
10	GLAND RING	STS 304	STS 304	STS 304	

No	PART NAME	MATERIAL			REMARK
11	RETAINER	SCS 13	SCS 14	SCS 16	
12	COVER BOLT	STS 304	STS 304	STS 304	
13	GLAND BOLT	STS 304	STS 304	STS 304	
14	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
15	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
16	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
17	BACK SEAT	P.T.F.E	P.T.F.E	P.T.F.E	
18	JACKET	STS 304	STS 304	STS 304	
19	JACKET IN/OUTLET	STS 304	STS 304	STS 304	
20	JACKET DRAIN PLUG	STS 304	STS 304	STS 304	

NOTE 1. Packing & gasket material : customer's requirements

2. METAL SEAT 주문제작 3. PEEK SEAT 주문제작

4. 20K(300LB)는 주문제작

DIMENSION

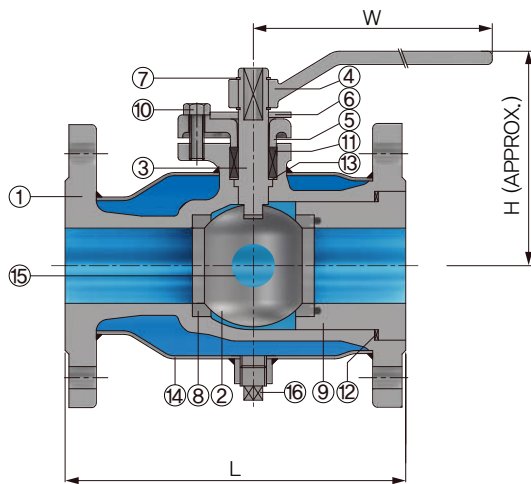
(mm)

CLASS	SIZE DIMENSION	IN	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8		
		MM	15	20	25	32	40	50	65	80	100	125	150	200		
10K 150LB	L : FACE TO FACE (RF)		180	180	180	203	203	240	260	290	360	400	430	580		
	H : VALVE HEIGHT		100	100	110	150	150	160	175	190	230	220	305	340		
	W : HAND WHEEL DIA.		150	150	180	240	240	240	240	400	400	400	400	400		

CAST STAINLESS STEEL

JACKET BALL VALVE 10K, 20K, 150LB, 300LB

HJB-1



PARTS AND MATERIALS

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	BALL	SCS 13	SCS 14	SCS 16	
3	STEM	STS 304	STS 316	STS 316L	
4	HAND LEVER	GCD 450	GCD 450	GCD 450	
5	GLAND FLANGE	SCS 13	SCS 13	SCS 13	
6	STOPPER	STS 304	STS 304	STS 304	
7	SNAP RING	SK 5	SK 5	SK 5	
8	SEAT RING	P.T.F.E	P.T.F.E	P.T.F.E	

No	PART NAME	MATERIAL			REMARK
9	RETAINER	SCS 13	SCS 14	SCS 16	
10	GLAND BOLT	STS 304	STS 304	STS 304	
11	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
12	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
13	BACK SEAT	P.T.F.E	P.T.F.E	P.T.F.E	
14	JACKET	STS 304	STS 304	STS 304	
15	JACKET IN/OUTLET	STS 304	STS 304	STS 304	
16	JACKET DRAIN PLUG	STS 304	STS 304	STS 304	

NOTE 1. Packing & gasket material : customer's requirements

2. METAL SEAT 주문제작 3. PEEK SEAT 주문제작

4. 20K(300LB)는 주문제작

DIMENSION

(mm)

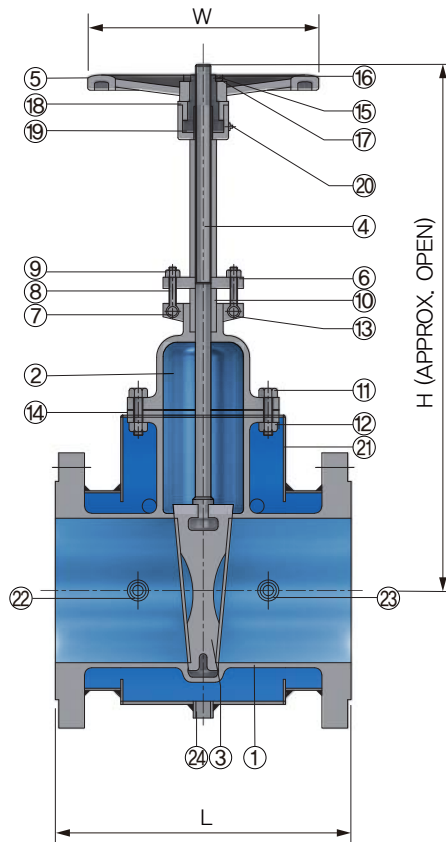
CLASS	SIZE DIMENSION	IN	1/2x1 1/2	3/4x1 1/2	1x2	1 1/4x2 1/2	1 1/2x2 1/2	2x3	2 1/2x4	3x5	4x6	6x8	6x10	8x12	10x14			
		MM	15x40	20x40	25x50	32x65	40x65	50x80	65x100	80x125	100x150	150x200	150x250	200x300	250x350			
10K 150LB	L : FACE TO FACE (RF)		120	120	127	165	165	178	190	203	229	267	267	533	610			
	H : VALVE HEIGHT		115	115	132	151	183	190	197	205	215	275	275	310	325			
	W : HAND WHEEL DIA.		180	180	180	240	240	240	400	400	400	600	600	GEAR				

● 200A x 300A , 250A x 350A - TOP ENTRY TYPE

CAST STAINLESS STEEL

JACKET GATE VALVE 10K, 20K, 150LB, 300LB

HJGA-1



PARTS OF MATERIAL

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	BONNET	SCS 13	SCS 14	SCS 16	
3	DISC	SCS 13	SCS 14	SCS 16	
4	STEM	STS 304	STS 316	STS 316L	
5	HAND WHEEL	GCD 450	GCD 450	GCD 450	
6	GLAND FLANGE	SCS 13	SCS 13	SCS 13	
7	HINGE PIN	STS 304	STS 304	STS 304	
8	GLAND BOLT	STS 304	STS 304	STS 304	
9	GLAND NUT	STS 304	STS 304	STS 304	
10	GLAND RING	STS 304	STS 304	STS 304	
11	BONNET BOLT	STS 304	STS 304	STS 304	
12	BONNET NUT	STS 304	STS 304	STS 304	

No	PART NAME	MATERIAL			REMARK
13	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
14	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
15	NAME PLATE	ALP	ALP	ALP	
16	WHEEL NUT	SB 41	SB 41	SB 41	
17	SET SCREW	SB 41	SB 41	SB 41	
18	SLEEVE NUT	SCS 13	SCS 13	SCS 13	
19	YOKE SLEEVE	BC 6 / GCD 450	BC 6 / GCD 450	BC 6 / GCD 450	
20	GREASE NIPPLE	BRASS	BRASS	BRASS	
21	JACKET	STS 304	STS 304	STS 304	
22	JACKET INLET	STS 304	STS 304	STS 304	
23	JACKET OUTLET	STS 304	STS 304	STS 304	
24	JACKET DRAIN PLUG	STS 304	STS 304	STS 304	

NOTE 1. Packing & gasket material : customer's requirements

DIMENSION

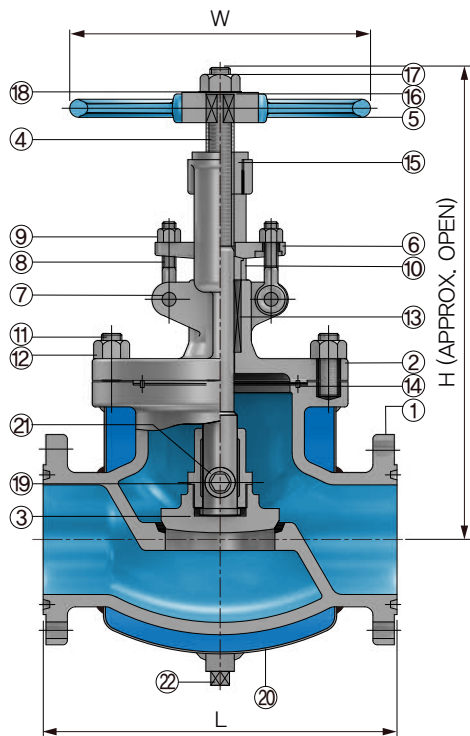
(mm)

CLASS	SIZE DIMENSION	IN	1/2x1 1/2	3/4x1 1/2	1x2	1 1/4x2 1/2	1 1/2x2 1/2	2x3	2 1/2x4	3x5	4x6	5x8	6x8	8x10	10x12	12x14		
		MM	15x40	20x40	25x50	32x65	40x65	50x80	65x100	80x125	100x150	125x200	150x200	200x250	250x300	300x350		
10K 150LB	L : FACE TO FACE (RF)		165	165	178	190	190	203	229	254	267	292	292	330	356	381		
	H : VALVE OPEN HEIGHT		191	198	230	279	268	318	375	446	525	635	735	890	1135	1325		
	W : HAND WHEEL DIA.		100	100	125	180	180	180	200	200	240	280	280	315	400	400		
20K 300LB	L : FACE TO FACE (RF)						241	283	305	381	403	419	419	457	502	762		
	H : VALVE OPEN HEIGHT						337	374	448	470	545	650	715	965	1170	1340		
	W : HAND WHEEL DIA.						200	200	240	240	240	315	315	400	500	550		

CAST STAINLESS STEEL

JACKET GLOBE VALVE 10K, 20K, 150LB, 300LB

HJGL-1



PARTS OF MATERIAL

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	BONNET	SCS 13	SCS 14	SCS 16	
3	DISC	SCS 13	SCS 14	SCS 16	
4	STEM	STS 304	STS 316	STS 316L	
5	HAND WHEEL	GCD 450	GCD 450	GCD 450	
6	GLAND FLANGE	SCS 13	SCS 13	SCS 13	
7	HINGE PIN	STS 304	STS 304	STS 304	
8	GLAND BOLT	STS 304	STS 304	STS 304	
9	GLAND NUT	STS 304	STS 304	STS 304	
10	GLAND RING	STS 304	STS 304	STS 304	
11	BONNET BOLT	STS 304	STS 304	STS 304	

No	PART NAME	MATERIAL			REMARK
12	BONNET NUT	STS 304	STS 304	STS 304	
13	PACKING	P.T.F.E	P.T.F.E	P.T.F.E	
14	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
15	YOKE BUSH	BC 6 / GCD 450	BC 6 / GCD 450	BC 6 / GCD 450	
16	NAME PLATE	ALP	ALP	ALP	
17	WHEEL NUT	STS 304	STS 304	STS 304	
18	WASHER	STS 304	STS 304	STS 304	
19	DISC NUT	STS 304	STS 316	STS 316L	
20	JACKET	STS 304	STS 304	STS 304	
21	JACKET IN/OUTLET	STS 304	STS 304	STS 304	
22	JACKET DRAIN PLUG	STS 304	STS 304	STS 304	

NOTE 1. Packing & gasket material : customer's requirements

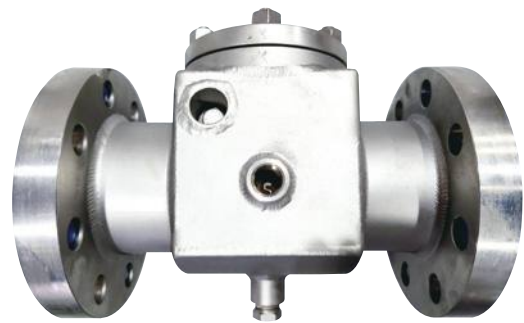
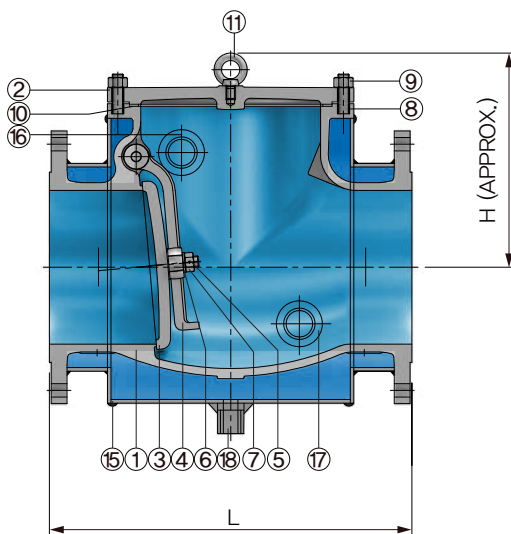
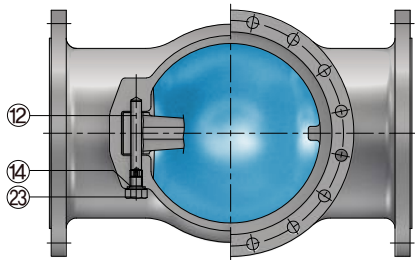
DIMENSION

CLASS	SIZE DIMENSION	IN	1/2x1 1/2	3/4x1 1/2	1x2	1 1/4x2 1/2	1 1/2x2 1/2	2x3	2 1/2x4	3x5	4x6	5x8	6x8	8x10	10x12	12x14		
		MM	15x40	20x40	25x50	32x65	40x65	50x80	65x100	80x125	100x150	125x200	150x200	200x250	250x300	300x350		
10K 150LB	L : FACE TO FACE (RF)		165	165	203	216	216	241	292	356	406	495	495	622	698	787		
	H : VALVE OPEN HEIGHT		186	186	193	240	250	273	316	356	395	455	490	597	720	736		
	W : HAND WHEEL DIA.		125	125	125	140	160	160	200	200	240	280	315	400	500	550		
20K 300LB	L : FACE TO FACE (RF)						292	318	356	400	444	559	559	622	711	838		
	H : VALVE OPEN HEIGHT						275	295	328	357	418	490	530	665	1055	955		
	W : HAND WHEEL DIA.						180	180	200	200	240	315	315	400	GEAR			

(mm)

CAST STAINLESS STEEL

JACKET SWING CHECK VALVE 10K, 20K, 150LB, 300LB HJCH-1



PARTS OF MATERIAL

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	COVER	SCS 13	SCS 14	SCS 16	
3	DISC	SCS 13	SCS 14	SCS 16	
4	ARM	SCS 13	SCS 14	SCS 16	
5	SPLIT PIN	STS 304	STS 316	STS 316L	
6	PLATE WASHER	STS 304	STS 316	STS 316L	
7	DISC NUT	STS 304	STS 316	STS 316L	
8	COVER BOLT	STS 304	STS 304	STS 304	
9	COVER NUT	STS 304	STS 304	STS 304	

No	PART NAME	MATERIAL			REMARK
10	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
11	EYEBOLT	STS 304	STS 304	STS 304	
12	ROD PIN	STS 304	STS 316	STS 316L	
13	PIN BOLT	STS 304	STS 304	STS 304	
14	PLUG GASKET	P.T.F.E	P.T.F.E	P.T.F.E	
15	JACKET	STS 304	STS 304	STS 304	
16	JACKET INLET	STS 304	STS 304	STS 304	
17	JACKET OUTLET	STS 304	STS 304	STS 304	
18	JACKET DRAIN PLUG	STS 304	STS 304	STS 304	

NOTE 1. gasket material : customer's requirements

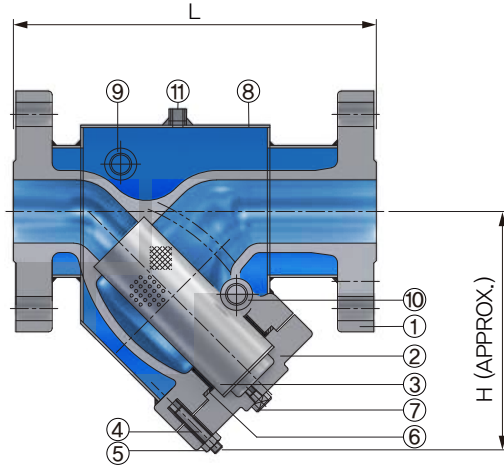
DIMENSION

(mm)

CLASS	SIZE DIMENSION	IN	1/2x1 1/2	3/4x1 1/2	1x2	1 1/4x2 1/2	1 1/2x2 1/2	2x3	2 1/2x4	3x5	4x6	5x8	6x8	8x10	10x12	12x14		
		MM	15x40	20x40	25x50	32x65	40x65	50x80	65x100	80x125	100x150	125x200	150x200	200x250	250x300	300x350		
10K 150LB	L : FACE TO FACE (RF)		165	165	203	216	216	241	292	330	356	495	495	622	698	787		
	H : VALVE HEIGHT		69	70	81	93	96	113	116	139	167	175	208	250	355	410		
20K 300LB	L : FACE TO FACE (RF)						292	318	356	400	444	533	533	622	711	838		
	H : VALVE HEIGHT						106	129	139	153	175	252	265	320	345	390		

CAST STAINLESS STEEL

JACKET Y-STRAINER 10K, 20K, 150LB, 300LB HJYS-1



PARTS OF MATERIAL

No	PART NAME	MATERIAL			REMARK
1	BODY	SCS 13	SCS 14	SCS 16	
2	COVER	SCS 13	SCS 14	SCS 16	
3	SCREEN	STS 304	STS 316	STS 316L	
4	COVER BOLT	STS 304	STS 304	STS 304	
5	COVER NUT	STS 304	STS 304	STS 304	
6	GASKET	P.T.F.E	P.T.F.E	P.T.F.E	

NOTE 1. gasket material : customer's requirements

No	PART NAME	MATERIAL			REMARK
7	PLUG	STS 304	STS 316	STS 316L	
8	JACKET	STS 304	STS 304	STS 304	
9	JACKET INLET	STS 304	STS 304	STS 304	
10	JACKET OUTLET	STS 304	STS 304	STS 304	
11	JACKET DRAIN PLUG	STS 304	STS 304	STS 304	

DIMENSION

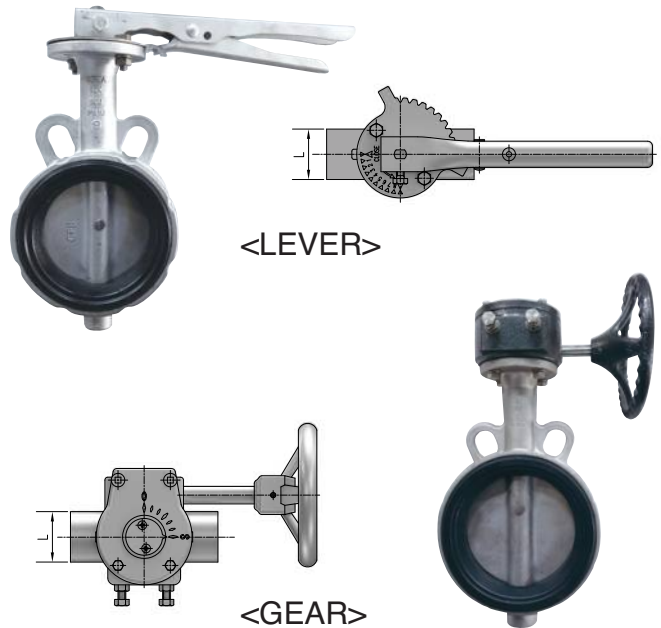
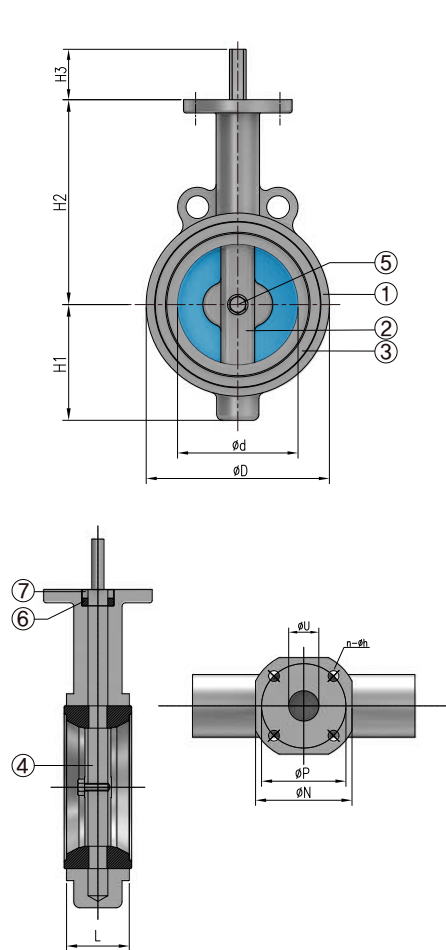
CLASS	SIZE DIMENSION	IN	1/2×1 1/2	3/4×1 1/2	1×2	1 1/4×2 1/2	1 1/2×2 1/2	2×3	2 1/2×4	3×5	4×6	5×8	6×8	8×10	10×12	12×14		
		MM	15×40	20×40	25×50	32×65	40×65	50×80	65×100	80×125	100×150	125×200	150×200	200×250	250×300	300×350		
10K 150LB	L : FACE TO FACE (RF)		200	200	232	268	268	287	340	392	438	540	540	672	774	800		
	H : VALVE HEIGHT		87	88	94	136	126	141	182	204	234	293	305	385	470	555		
20K	L : FACE TO FACE (RF)						280	318	350	395	470	575	575	710				
	H : VALVE HEIGHT						125	148	192	210	240	285	330	430				
300LB	L : FACE TO FACE (RF)						291	332	366	413	488	598	598	738				
	H : VALVE HEIGHT						125	148	192	210	240	285	330	430				

(mm)

CAST STAINLESS STEEL

BUTTERFLY VALVE (WAFER) 10K, 150LB

HBT



PARTS OF MATERIAL

No	PART NAME	MATERIAL		REMARK
1	BODY	FC	SCS 13	
2	DISC	SCS 13	SCS 13	
3	SEAT	EPDM / NBR	EPDM / NBR	
4	STEM	STS 304	STS 304	
5	DISC PIN	ST S304	STS 304	
6	PACKING	EPDM / NBR	EPDM / NBR	
7	PACKING RING	ACETAL	ACETAL	

DIMENSION

(mm)

SIZE		D	d	L	H1	H2	H3	STEM		Top Flange to ISO 5211			
								U	G	N	P	n	h
1½"	40A	86	40	40	54	119	35	14	10	90	70	4	9
2"	50A	105	52	43	59	129	35	14	10	90	70	4	9
2½"	65A	114	65	46	69	137	35	14	10	90	70	4	9
3"	80A	129	80	46	80	156	35	14	10	90	70	4	9
4"	100A	155	100	52	102	170	35	16	12	90	70	4	9
5"	125A	180	125	56	113	186	35	19	15	90	70	4	9
6"	150A	207	150	56	129	200	35	19	15	90	70	4	9
8"	200A	260	198	60	161	237	35	22	18	90	70	4	9
10"	250A	331	248	68	217	286	45	22	8X8	125	102	4	12
12"	300A	377	298	78	246	314	45	28	8X8	125	102	4	12
14"	350A	416	327	78	270	340	45	32	8X8	125	102	4	12
16"	400A	475	387	102	325	378	70	38	12X8	175	140	4	18
18"	450A	535	438	114	352	400	70	38	12X8	175	140	4	18
20"	500A	590	477	127	383	440	80	45	14X9	230	165	4	20
22"	550A	680	518	154	406	475	80	50	14X9	230	165	4	20
24"	600A	695	560	154	420	510	80	55	16X10	230	165	4	20

CAST STAINLESS STEEL PUNCHING SCREEN

1. PERCENTAGE OF OPEN AREA

Even the "MESH" is same, OPEN AREA is not always same due to the diameter of wire,
The formula of OPEN AREA PERCENTAGE is as follows;

$$\text{OPEN AREA PERCENTAGE} = \left(\frac{a}{a+b} \right)^2 \times 100\%$$

a: Width of Opening
b: Diameter of Wire

The details of wire as follows:

A: Number of Wire B: Diameter of Wire C: Width of Opening D: Percentage of OPEN AREA

MESH	A SWG	B m/mΦ	C m/m	D
5	20	0.914	4.166	67.3
10	22	0.711	1.829	51.8
20	28	0.356	0.914	51.8
30	32	0.274	0.572	45.7
40	36	0.193	0.442	48.4
50	37	0.172	0.336	43.6
60	38	0.152	0.271	41.0
80	40	0.122	0.195	37.8

MESH	A SWG	B m/mΦ	C m/m	D
100	42	0.102	0.152	35.8
120	43	0.092	0.119	31.8
150	45½	0.066	0.103	37.1
180	46½	0.053	0.088	38.9
200	47	0.051	0.076	35.8
250	48	0.039	0.062	37.7
300	48	0.040	0.044	27.6

2. OUTSIDE SCREEN (protecting net)

For the Outside Screen a stainless steel plate perforated in 60-degree staggered arrangement is used.

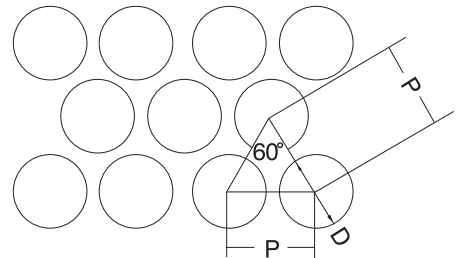
For the OPEN AREA you can use the formula below.

$$F = \frac{\sqrt{3} \times \pi}{6} \times \left(\frac{D}{P} \right)^2 \times 100\% \approx \frac{91 \times D^2}{P^2} (\%)$$

N.N.P: diameter of perforation

: pitch

* Following are JIN SAN standard outside screen



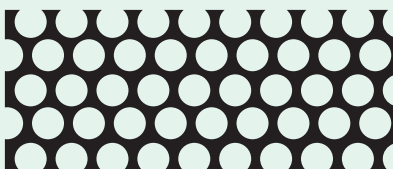
OUTSIDE SCREEN



0.8Φ × 1.8P
Open Area 17.9%



6Φ × 7.5P
Open Area 58.0%



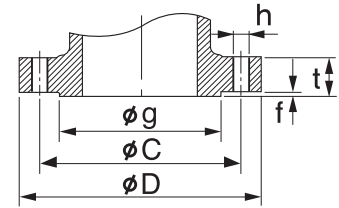
3Φ × 4P
Open Area 51.0%



10Φ × 12.5P
Open Area 58.0%

CAST STAINLESS STEEL STEEL PIPE FLANGES

FLANGE DIMENSION & DRILLING TEMPLATES
KS B 1511-1987



Class 10kgf/cm² Steel Pipe Flange Dimensions

Nominal Size		D	C	g	f	t	h	Bolt	
mm	in							No.	Diam.
10	3/8	90	65	48	1	12	15	4	M12
15	1/2	95	70	51	1	12	15	4	M12
20	3/4	100	75	56	1	14	15	4	M12
25	1	125	90	67	1	14	19	4	M16
32	1 1/4	135	100	76	2	16	19	4	M16
40	1 1/2	140	105	81	2	16	19	4	M16
50	2	155	120	96	2	16	19	4	M16
65	2 1/2	175	140	116	2	18	19	4	M16
80	3	185	150	126	2	18	19	8	M16
100	4	210	175	151	2	18	19	8	M16
125	5	250	210	182	2	20	23	8	M20
150	6	280	240	212	2	22	23	8	M20
200	8	330	290	262	2	22	23	12	M20
250	10	400	355	324	2	24	25	12	M22
300	12	445	400	368	3	24	25	16	M22
350	14	490	445	413	3	26	25	16	M22
400	16	560	510	475	3	28	27	16	M24
450	18	620	565	530	3	30	27	20	M24
500	20	675	620	585	3	30	27	20	M24
550	22	745	680	640	3	32	33	20	M30
600	24	795	730	690	3	32	33	24	M30
650	26	845	780	740	3	34	33	24	M30
700	28	905	840	800	3	34	33	24	M30
750	30	970	900	855	3	36	33	24	M30
800	32	1020	950	905	3	36	33	28	M30
900	34	1120	1050	1005	3	38	33	28	M30
1000	36	1235	1160	1110	3	40	39	28	M36

Class 20kgf/cm² Steel Pipe Flange Dimensions

Nominal Size		D	C	g	f	t	h	Bolt	
mm	in							No.	Diam.
10	3/8	90	65	48	1	14	15	4	M12
15	1/2	95	70	51	1	14	15	4	M12
20	3/4	100	75	56	1	16	15	4	M12
25	1	125	90	67	1	16	19	4	M16
32	1 1/4	135	100	76	2	18	19	4	M16
40	1 1/2	140	105	81	2	18	19	4	M16
50	2	155	120	96	2	18	19	8	M16
65	2 1/2	175	140	116	2	20	19	8	M16
80	3	200	160	132	2	22	23	8	M20
100	4	225	185	160	2	24	23	8	M20
125	5	270	225	195	2	26	25	8	M22
150	6	305	260	230	2	28	25	12	M22
200	8	350	305	275	2	30	25	12	M22
250	10	430	380	345	2	34	27	12	M24
300	12	480	430	395	3	35	27	16	M24
350	14	540	480	440	3	40	33	16	M30
400	16	605	540	495	3	46	33	16	M30
450	18	675	605	560	3	48	33	20	M30
500	20	730	660	615	3	50	33	20	M30
550	22	795	720	670	3	52	39	20	M36
600	24	845	770	720	3	54	39	24	M36
650	26	945	850	790	5	60	48	24	M45
700	28	995	-	840	5	64	48	24	M45
750	30	1080	970	900	5	68	56	24	M52
800	32	1140	1030	960	5	72	56	24	M52
850	34	1200	1090	1020	5	74	56	24	M52
900	36	1250	1140	1070	5	76	56	28	M52

Class 30kgf/cm² Steel Pipe Flange Dimensions

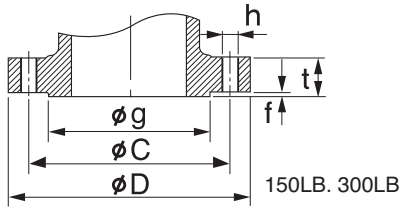
Nominal Size		D	C	g	f	t	h	Bolt	
mm	in							No.	Diam.
15	1/2	115	80	55	1	18	19	4	M16
20	3/4	120	85	60	1	18	19	4	M16
25	1	130	95	70	1	20	19	4	M16
32	1 1/4	140	105	80	2	22	19	4	M16
40	1 1/2	160	120	90	2	22	23	4	M20
50	2	165	130	105	2	22	19	8	M16
65	2 1/2	200	160	130	2	26	23	8	M20
80	3	210	170	140	2	28	23	8	M20
100	4	240	195	160	2	32	25	8	M22
125	5	275	230	195	2	36	25	8	M22
150	6	325	275	235	2	38	27	12	M24
200	8	370	320	280	2	42	27	12	M24
250	10	450	390	345	2	48	33	12	M30
300	12	515	450	405	3	52	33	16	M30
350	14	560	495	450	3	54	33	16	M30
400	16	630	560	510	3	60	39	16	M36

Class 40kgf/cm² Steel Pipe Flange Dimensions

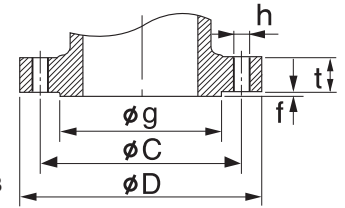
Nominal Size		D	C	g	f	t	h	Bolt	
mm	in							No.	Diam.
15	1/2	115	80	55	1	20	19	4	M16
20	3/4	120	85	60	1	20	19	4	M16
25	1	130	95	70	1	22	19	4	M16
32	1 1/4	140	105	80	2	24	19	4	M16
40	1 1/2	160	120	90	2	24	23	4	M20
50	2	165	130	105	2	26	19	8	M16
65	2 1/2	200	160	130	2	30	23	8	M20
80	3	210	170	140	2	32	23	8	M20
100	4	250	205	165	2	36	25	8	M22
125	5	300	250	200	2	40	27	8	M24
150	6	355	295	240	2	44	33	12	M30
200	8	405	345	290	2	50	33	12	M30
250	10	475	410	355	2	56	33	12	M30
300	12	540	470	410	3	60	39	16	M36
350	14	585	515	455	3	64	39	16	M36
400	16	645	570	515	3	70	39	16	M36

CAST STAINLESS STEEL

STEEL PIPE FLANGES-ANSI B16.5



150LB. 300LB



600LB. 900LB

Class 150 Steel Pipe Flange Dimensions

Nominal Size in.	D (mm)	C (mm)	g (mm)	f (mm)	t (mm)	(h)Bolt Hole (mm)	Bolt	
							No.	Diam.
½	89	60.5	35	1.6	11.2	16	4	½
¾	98	70.0	43	1.6	12.7(11.2)	16	4	½
1	108	79.5	51	1.6	14.3(11.2)	16	4	½
1¼	117	89.0	64	1.6	15.9(12.7)	16	4	½
1½	127	98.5	73	1.6	17.5(14.3)	16	4	½
2	152	120.5	92	1.6	19.1(15.9)	19	4	⅝
2½	178	139.5	105	1.6	22.3(17.5)	19	4	⅝
3	191	152.5	127	1.6	23.9(19.1)	19	4	⅝
4	229	190.5	157	1.6	23.9	19	8	⅝
5	254	216.0	186	1.6	23.9	22	8	¾
6	279	241.5	216	1.6	25.4	22	8	¾
8	343	298.5	270	1.6	28.6	22	8	¾
10	406	362.0	324	1.6	30.2	25	12	⅞
12	483	432.0	381	1.6	31.8	25	12	⅞
14	533	476.5	413	1.6	35.0	29	12	1
16	597	539.5	470	1.6	36.6	29	16	1
18	635	578.0	533	1.6	39.7	32	16	1⅝
20	698	635.0	584	1.6	42.9	32	20	1⅝
24	813	749.5	692	1.6	47.7	35	20	1¼

- Height of raised face is 0.06 inch(1.6mm) each.
- Dimensions in () are valve flanges only.

Class 300 Steel Pipe Flange Dimensions

Nominal Size in.	D (mm)	C (mm)	g (mm)	f (mm)	t (mm)	(h)Bolt Hole (mm)	Bolt	
							No.	Diam.
½	95	66.5	35	1.6	14.3	16	4	½
¾	117	82.5	43	1.6	15.9	19	4	⅝
1	124	89.0	51	1.6	17.5	19	4	⅝
1¼	133	98.5	64	1.6	19.1	19	4	⅝
1½	156	114.5	73	1.6	20.7	22	4	¾
2	165	127.0	92	1.6	22.3	19	8	⅝
2½	191	149.0	105	1.6	25.4	22	8	¾
3	210	168.0	127	1.6	28.6	22	8	¾
4	254	200.0	157	1.6	31.8	22	8	¾
5	279	235.0	186	1.6	35.0	22	8	¾
6	318	270.0	216	1.6	36.6	22	12	¾
8	381	330.0	270	1.6	41.3	25	12	⅞
10	445	387.5	324	1.6	47.7	29	16	1
12	521	451.0	381	1.6	50.8	32	16	1⅝
14	584	514.5	413	1.6	54.0	32	20	1⅝
16	650	571.5	470	1.6	57.2	35	20	1¼
18	711	628.5	533	1.6	60.4	35	24	1¼
20	775	686.0	584	1.6	63.5	35	24	1¼
24	914	813.0	692	1.6	69.9	41	24	1½

- Height of raised face is 0.06 inch(1.6mm) each.

Class 600 Steel Pipe Flange Dimensions

Nominal Size in.	D (mm)	C (mm)	g (mm)	f (mm)	t (mm)	(h)Bolt Hole (mm)	Bolt	
							No.	Diam.
½	95	66.5	35	6.4	14.3	16	4	½
¾	117	82.5	43	6.4	15.9	19	4	⅝
1	124	89.0	51	6.4	17.5	19	4	⅝
1¼	133	98.5	64	6.4	20.7	19	4	⅝
1½	156	114.5	73	6.4	22.3	22	4	¾
2	165	127.0	92	6.4	25.4	19	8	⅝
2½	190	149.0	105	6.4	28.6	22	8	¾
3	210	168.0	127	6.4	31.8	22	8	¾
4	273	216.0	157	6.4	38.1	25	8	⅞
5	330	266.5	186	6.4	44.5	29	8	1
6	356	292.0	216	6.4	47.7	29	12	1
8	419	349.0	270	6.4	55.6	32	12	1⅝
10	508	432.0	324	6.4	63.5	35	16	1¼
12	559	489.0	381	6.4	66.7	35	20	1¼
14	603	527.0	413	6.4	69.9	38	20	1⅝
16	686	603.0	470	6.4	76.2	41	20	1½
18	743	654.0	533	6.4	82.6	45	20	1⅝
20	813	724.0	584	6.4	88.9	45	24	1⅝
24	940	838.0	692	6.4	101.6	51	24	1⅞

- Height of raised face is 0.25 inch(6.4mm) each.

Class 900 Steel Pipe Flange Dimensions

Nominal Size in.	D (mm)	C (mm)	g (mm)	f (mm)	t (mm)	(h)Bolt Hole (mm)	Bolt	
							No.	Diam.
½	121	82.5	35	6.4	22.3	22	4	¾
¾	130	89.0	43	6.4	25.4	22	4	¾
1	149	101.5	51	6.4	28.6	25	4	⅞
1¼	159	111.0	64	6.4	28.6	25	4	1
1½	178	124.0	73	6.4	31.8	29	4	⅞
2	216	165.0	92	6.4	38.1	25	8	⅞
2½	244	190.5	105	6.4	41.3	29	8	1
3	241	190.5	127	6.4	38.1	25	8	⅞
4	292	235.0	157	6.4	44.5	32	8	1⅝
5	349	279.5	186	6.4	50.8	35	8	1¼
6	381	317.5	216	6.4	55.6	32	12	1⅝
8	470	393.5	270	6.4	63.5	38	12	1⅝
10	546	470.0	324	6.4	69.9	38	16	1⅝
12	610	533.5	381	6.4	79.4	38	20	1⅝
14	641	559.0	413	6.4	85.8	41	20	1½
16	705	616.0	470	6.4	88.9	45	20	1⅝
18	787	686.0	533	6.4	101.6	51	20	1⅞
20	857	749.5	548	6.4	108.0	54	20	2
24	1041	901.5	692	6.4	139.7	67	20	2½

- Height of raised face is 0.25 inch(6.4mm) each.

CAST STAINLESS STEEL

SCS. STAINLESS MATERIALS AND MECHANICAL LIST

KS D 4103-90 JIS G 5121-1987

Mark of Sorts	Chemical Component %										Similar Copper Sorts
	C	Mn	Si	P	S	Ni	Cr	Mo	Cu	Others	
SCS 1	0.15 以下	1.50 以下	1.10 以下	0.040 以下	0.040 以下	(1)	11.50~14.00	(3)	-	-	ASTM CA15, ACI CA15
SCS 2	0.16~0.24	1.50 "	1.00 "	0.040 "	0.040 "	(1)	11.50~14.00	(3)	-	-	ASTM CA40, ACI CA40
SCS 2A	0.25~0.40	1.50 "	1.00 "	0.040 "	0.040 "	(1)	11.50~14.00	(3)	-	-	ASTM CA40, ACI CA40
SCS 3	0.15 以下	1.00 "	1.00 "	0.040 "	0.040 "	0.50~1.50	11.50~14.00	0.15~1.00	-	-	ASTM CA15M
SCS 4	0.15 "	1.50 "	1.00 "	0.040 "	0.040 "	1.50~2.50	11.50~14.00	-	-	-	-
SCS 5	0.06 "	1.00 "	1.00 "	0.040 "	0.040 "	3.50~4.50	11.50~14.00	-	-	-	-
SCS 6	0.06 "	1.00 "	1.00 "	0.040 "	0.030 "	3.50~4.50	11.50~14.00	0.40~1.00	-	-	ASTM CA6NM, ACI CA6NM
SCS 10	0.03 "	1.50 "	1.50 "	0.040 "	0.030 "	4.50~8.50	21.00~26.00	2.50~4.00	-	N0.08~0.30	-
SCS 11	0.08 "	1.50 "	1.00 "	0.040 "	0.040 "	5.00~7.00	23.00~27.00	1.50~2.50	-	-	-
SCS 12	0.20 "	2.00 "	2.00 "	0.040 "	0.040 "	8.00~11.00	18.00~21.00	-	-	-	ASTM CF20, ACI CF20
SCS 13	0.08 "	2.00 "	2.00 "	0.040 "	0.040 "	8.00~11.00	18.00~21.00	-	-	-	-
SCS 13A	0.08 "	1.50 "	2.00 "	0.040 "	0.040 "	8.00~11.00	18.00~21.00	-	-	-	ASTM CF8, ACI CF8
SCS 14	0.08 "	2.00 "	2.00 "	0.040 "	0.040 "	10.00~14.00	17.00~20.00	2.00~3.00	-	-	-
SCS 14A	0.08 "	1.50 "	1.50 "	0.040 "	0.040 "	9.00~12.00	18.00~21.00	2.00~3.00	-	-	ASTM CF8M, ACI CF8M
SCS 15	0.08 "	2.00 "	2.00 "	0.040 "	0.040 "	10.00~14.00	17.00~20.00	1.75~2.75	1.00~2.50	-	-
SCS 16	0.03 "	1.50 "	2.00 "	0.040 "	0.040 "	12.00~16.00	17.00~20.00	2.00~3.00	-	-	-
SCS 16A	0.03 "	1.50 "	1.50 "	0.040 "	0.040 "	9.00~13.00	17.00~21.00	2.00~3.00	-	-	ASTM CF3M, ACI CF3M
SCS 17	0.20 "	2.00 "	2.00 "	0.040 "	0.040 "	12.00~15.00	22.00~26.00	-	-	-	ASTM CH10, ACI CH10
SCS 18	0.20 "	2.00 "	2.00 "	0.040 "	0.040 "	19.00~22.00	23.00~27.00	-	-	-	ASTM CK20, ACI CK20
SCS 19	0.03 "	2.00 "	2.00 "	0.040 "	0.040 "	8.00~12.00	17.00~21.00	-	-	-	-
SCS 19A	0.03 "	2.00 "	1.50 "	0.040 "	0.040 "	8.00~12.00	17.00~21.00	-	-	-	ASTM CF3, ACI CF3
SCS 20	0.03 "	2.00 "	2.00 "	0.040 "	0.040 "	12.00~16.00	17.00~20.00	1.75~2.75	1.00~2.50	-	-
SCS 21	0.08 "	2.00 "	2.00 "	0.040 "	0.040 "	9.00~12.00	18.00~21.00	-	-	Nb+Ta 10xC% 以上 1.35 以下	ASTM CF8C, ACI CF8C
SCS 22	0.08 "	2.00 "	2.00 "	0.040 "	0.040 "	10.00~14.00	17.00~20.00	2.00~3.00	-	Nb+Ta 10xC% 以上 1.35 以下	-
SCS 23	0.07 "	1.50 "	1.50 "	0.040 "	0.040 "	27.50~30.50	19.00~22.00	2.00~3.00	3.00~4.00	-	ASTM CN7M, ACI CN7M
SCS 24	0.07 以下	1.00 以下	1.00 以下	0.040 以下	0.040 以下	3.00~5.00	15.50~17.50	-	2.50~4.00	Nb+Ta 0.15~0.45	ASTM CB7 Cu-1, ACI CB7 Cu

註 (1) Ni는 1.00%以下 첨가할 수 있다.

(2) SCS 13, 13A, 14 및 14A로서 低溫으로 사용할 경우 Cu의 上限은 23.00%로 해도 된다.

(3) SCS 1, 2 및 2A는 Mo 0.50%以下 함유하여도 지장 없다.

(1) Ni may be added less than 100%

(2) SCS is 13, 13A and 14A and in case of use with low temperature, the upper limit of Cu may be put in 23.00%.

(3) SCS 1, 2 and 2A have no troubles if it will contain less than Mo 0.50%.

Mark of Sorts	Heat Treatment °C				Tensile Test				Hardning Test	
	Mark	Tempering	Hardning	Hardning Heat Treatment	Internal Force N/mm ² (kgf/mm ²)	Tensile Force N/mm ² (kgf/mm ²)	Tension %	Sectional Shrinkage %	Hardness H _B	
SCS 1	T1	950以上 油冷 또는 空冷	680~740 空冷 또는 徐冷	-	345 (35) 以上	540 (55) 以上	18 以上	40 以上	163~229	
	T2	950以上 油冷 또는 空冷	590~700 空冷 또는 徐冷	-	450 (46) "	620 (63) "	16 "	30 "	179~241	
SCS 2	T	950以上 油冷 또는 空冷	680~740 空冷 또는 徐冷	-	390 (40) "	590 (60) "	16 "	35 "	170~235	
SCA 2A	T	950以上 油冷 또는 空冷	600 以上 油冷 또는 空冷	-	485 (49) "	690 (70) "	15 "	25 "	269 以下	
SCS 3	T	900以上 油冷 또는 空冷	650~740 空冷 또는 徐冷	-	440 (45) "	590 (60) "	16 "	40 "	170~235	
SCS 4	T	900以上 油冷 또는 空冷	650~740 空冷 또는 徐冷	-	490 (50) "	640 (65) "	13 "	40 "	192~255	
SCS 5	T	900以上 油冷 또는 空冷	600~700 空冷 또는 徐冷	-	540 (55) "	740 (75) "	13 "	40 "	217~277	
SCA 6	T	950以上 空冷	570~620 空冷 또는 徐冷	-	550 (56) "	750 (77) "	15 "	35 以上	285 以下	
SCA 10	S	-	-	1050~1150 急冷	390 (40) "	620 (63) "	15 "	-	302 "	
SCS 11	S	-	-	1000~1100 "	345 (35) "	590 (60) "	13 "	-	241 "	
SCS 12	S	-	-	1030~1150 "	205 (21) "	480 (49) "	28 "	-	183 "	
SCS 13	S	-	-	1030~1150 "	185 (19) "	440 (45) "	30 "	-	183 "	
SCS 13A	S	-	-	1030~1150 "	205 (21) "	480 (49) "	33 "	-	183 "	
SCS 14	S	-	-	1030~1150 "	185 (19) "	440 (45) "	28 "	-	183 "	
SCS 14A	S	-	-	1030~1150 "	205 (21) "	485 (49) "	33 "	-	183 "	
SCS 15	S	-	-	1030~1150 "	185 (19) "	440 (45) "	28 "	-	183 "	
SCS 16	S	-	-	1030~1150 "	175 (18) "	390 (40) "	33 "	-	183 "	
SCS 16A	S	-	-	1030~1150 "	205 (21) "	480 (49) "	33 "	-	183 "	
SCS 17	S	-	-	1050~1160 "	205 (21) "	480 (49) "	28 "	-	183 "	
SCS 18	S	-	-	1070~1180 "	195 (20) "	450 (46) "	28 "	-	183 "	
SCS 19	S	-	-	1030~1150 "	185 (19) "	390 (40) "	33 "	-	183 "	
SCS 19A	S	-	-	1030~1150 "	205 (21) "	480 (49) "	33 "	-	183 "	
SCS 20	S	-	-	1030~1150 "	175 (18) "	390 (40) "	33 "	-	183 "	
SCS 21	S	-	-	1030~1150 "	205 (21) "	480 (49) "	28 "	-	183 "	
SCS 22	S	-	-	1030~1150 "	205 (21) "	440 (45) "	28 "	-	183 "	
SCS 23	S	-	-	1070~1180 急冷	170 (17) 以上	425 (40) 以上	35 以上	-	183 以下	



① 셀 중자
Other Cells



② 주조
Casting



③ 쇼트
Short



④ 가공
Process



⑤ 드릴
Drill



⑥ 조립 대기
Assembling



⑦ 수압 테스트
Water Pressure Test



 신흥밸브공업주식회사
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