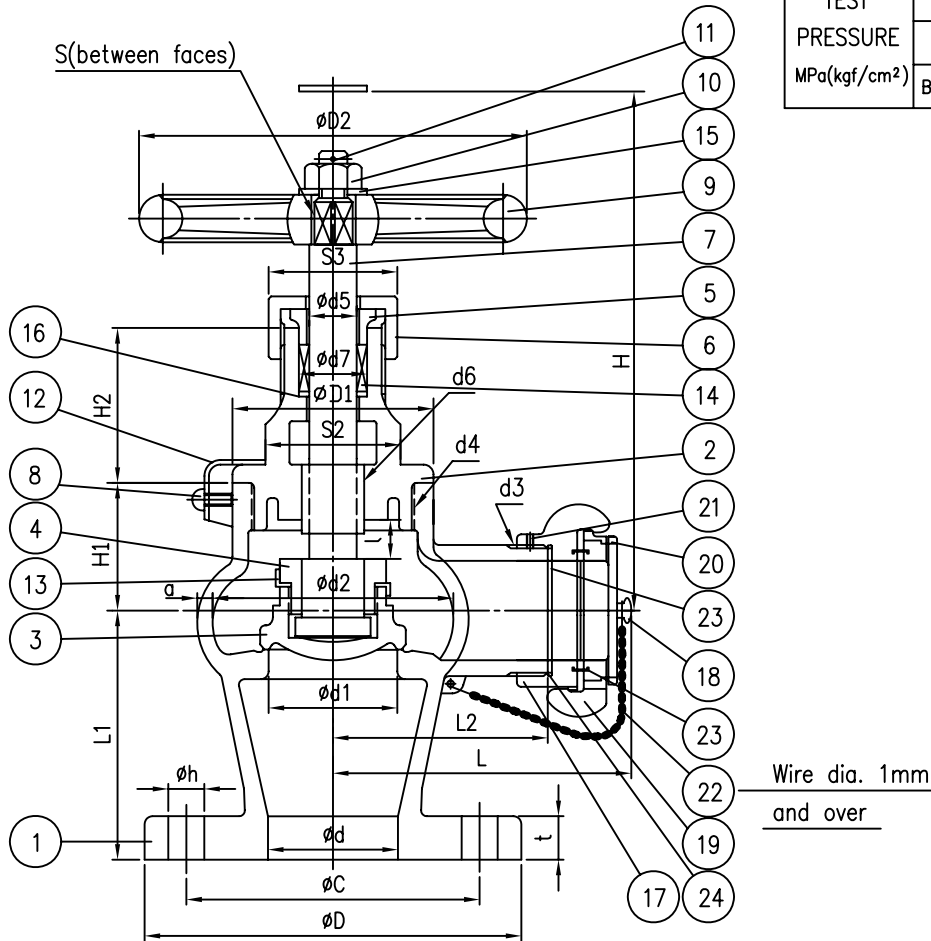


■ HYDRAULIC INSPECTION ■

TEST PRESSURE MPa(kgf/cm ²)	BODY	5K	1.03	10.5
		10K	2.06	21
	SEAT	5K	0.76	7.7
		10K	1.51	15.4
	BASE CONNECTION	5K	0.69	7
		10K	1.37	14

■ PRESSURE RATING ■

FLUID CONDITION	MAXIMUM WORKING PRESSURE MPa (kgf/cm ²)	
	Nominal pressure 5 K	Nominal pressure 10 K
PULSATION WATER	0.49 [5]	0.981 [10]
NON-SHOCK WATER OF 120°C OR LESS	0.69 [7]	1.37 [14]



Bolt holes of flanges shall straddle body center lines.

(Unit: mm)

Nominal dia.	Nominal pressure	K	d	d ₁	L	Flange				HT (opened) (approx)	Lift	Handwheel	Body					Bonnet		Stem		Between faces	WEIGHT (kg)						
						D	Bolt holes		Nominal dia. of bolt				t	Threads					D ₁	H ₂	d ₅			d ₆	S				
							P.C. dia. C	No						h	d ₂	d ₃	a	H ₁								L ₁	L ₂	d ₄	
40A	5	40	45	123.5	120	95	4	15	M12	12	165	14	140	78	M52x2	5	44	85	75	M58x2	70	53	15	TW20	12	23	41	41	5.91
	10	40	45	123.5	140	105	4	19	M16	16	165	14	140	78	M52x2	6	44	100	75	M58x2	70	53	15	TW20	12	23	41	41	8.19

24	GASKET	NON-ASBESTOS	1	
23	GASKET	NON-ASBESTOS	2	
22	CHAIN	SUS304	1	
21	SET SCREW	C2700W	1	
20	SET RING	BC6	1	
19	COUPLING RING	BC6	1	
18	CAP	BC6	1	
17	BASE CONNECTION	BC6	1	
16	BONNET BUSH	C3771BD	1	
15	NAME PLATE	SUS316	1	
14	PACKING	NON-ASBESTOS	1set	
13	DISC LOCK WASHER	C2600P	1	
12	BONNET LOCK PLATE	C2600P	1	
11	SPLIT PIN	SUS304	1	
10	HEXAGON NUT	C3604BD	1	
9	HANDWHEEL	FC200	1	
8	SET SCREW	C2700W	2	
7	STEM	C3771BD	1	
6	GLAND NUT	C3771BD	1	
5	PACKING GLAND	C3771BD	1	
4	DISC NUT	C3771BD	1	
3	DISC	BC6	1	
2	BONNET	BC6	1	
1	BODY	BC6	1	

NO.	NAME OF PART	MATERIAL	Q'TY	REMARK	
REV	DATE	DESCRIPTION OF REASON	DRAW'G	CHK'D	APP'D

DESCRIPTION	JIS F7334 CAST BRONZE 5,10kgf/cm ² HOSE ANGLE VALVES				
DRAW'G	CHK'D	APP'D	SCALE	NON	
H.J.YUN	S.M.BAB	S.M.BAB	UNIT	(mm) inch	
DATE	06.11.16	DWG NO.	KS-BC-HA-7-A2	REV 0	

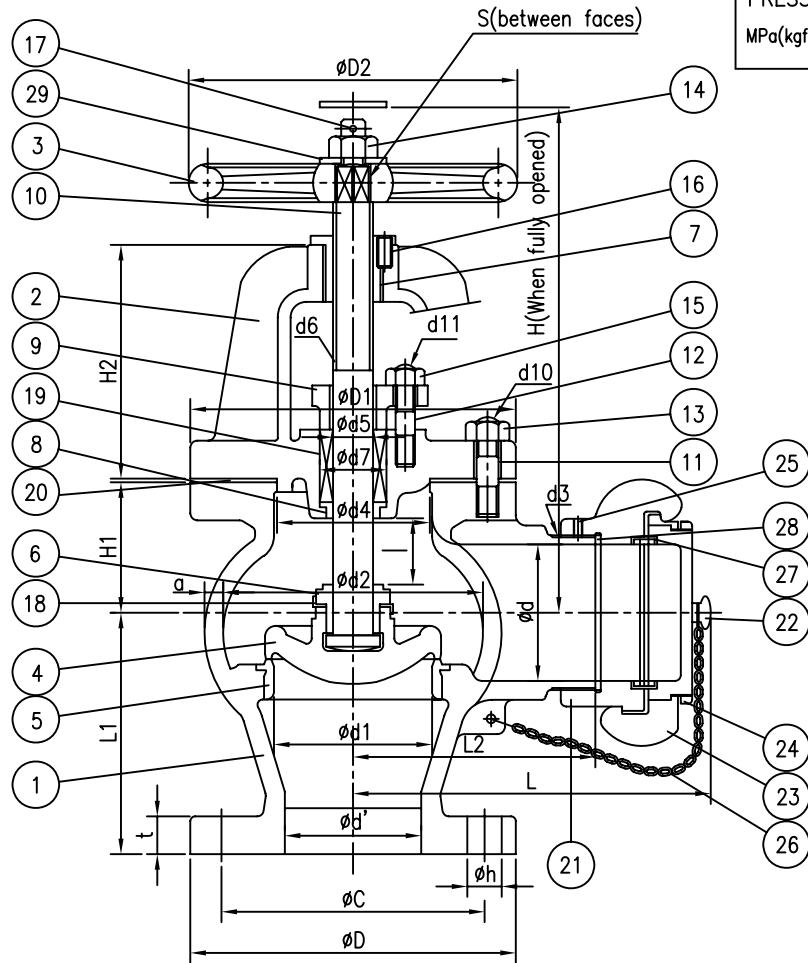
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KEY SUNG METAL CO., LTD

■ HYDRAULIC INSPECTION ■

TEST PRESSURE MPa(kgf/cm ²)	BODY	5K	1.03	10.5
		10K	2.06	21
	SEAT	5K	0.75	7.7
		10K	1.51	15.4
BASE CONNECTION	5K	0.69	7	
	10K	1.37	14	

■ PRESSURE RATING ■

FLUID CONDITION	MAXIMUM WORKING PRESSURE MPa (kgf/cm ²)	
	Nominal pressure 5K	Nominal pressure 10K
PULSATION WATER	0.49 (5)	0.981 (10)
NON-SHOCK WATER OF 120°C OR LESS	0.69 (7)	1.39 (14)



Bolt holes of flanges shall straddle body center lines.

(Unit: mm)

Nominal dia	Nominal Pressure kg/cm ²	d	d'	d1	L	Flange					Body										HT of bonnet	Stem		Threads		WEIGHT (kg)				
						D	Bolt holes		Nominal dia of bolt	t	HT (opened)	Lift	Handwheel	Threads	d2	d3	a	H1	L1	L2		D1	d4	d5	d6		S	d7	d10	d11
							P.C. dia	No.																						
50	5	50	50	55	154.8	130	105	4	15	M12	14	225	17	160	105	M64x2	6	50	100	100	125	68	122	20	TW20	14	32	M12	M12	11.0
	10	50	50	55	159.8	155	120	4	19	M16	16	240	17	160	105	M64x2	7	55	120	105	138	68	132	22	TW22	14	36	M16	M12	14.3
65	10	65	65	75	179.8	175	140	4	19	M16	18	255	21	200	135	M80x2	8	60	130	120	165	90	132	24	TW24	17	38	M16	M12	23.0

29	NAME PLATE	C2801P	1	
28	GASKET	NON-ASBESTOS	1	
27	GASKET	NON-ASBESTOS	2	
26	CHAIN	C2600W	1	
25	SET SCREW	C3771BD	1	
24	SET RING	BC6	1	
23	COUPLING RING	BC6	1	
22	CAP	BC6	1	
21	HOSE BASE CONNECTION	BC6	1	
20	GASKET	NON-ASBESTOS	1	
19	PACKING	NON-ASBESTOS	1set	
18	DISC LOCK WASHER	C2600P	1	
17	SPLIT PIN	C2600W	1	
16	LOCK PIN	SS400	1	
15	HEXAGON NUT	C3604BD	2	
14	HEXAGON NUT	C3604BD	1	
13	HEXAGON NUT	C3604BD	1set	
12	STUD BOLT	C3771BD	2	
11	STUD BOLT	C3771BD	1set	
10	STEM	C3771BD	1	
9	PACKING GLAND	BC6	1	
8	PACKING BUSH	C3771BD	1	
7	SCREWED BONNET BUSH	BC6	1	
6	DISC NUT	C3771BD	1	
5	SEAT RING	BC6	1	
4	DISC	BC6	1	
3	HANDWHEEL	FC200	1	
2	BONNET	BC6	1	
1	BODY	BC6	1	

NO.	NAME OF PART	MATERIAL	Q'TY	REMARK	
REV	DATE	DESCRIPTION OF REASON	DRAW'G	CHK'D	APP'D

DESCRIPTION	JIS F7334 CAST BRONZE 5,10kgf/cm ² HOSE ANGLE VALVE			
DRAW'G	CHK'D	APP'D	SCALE	NON
H.J.YUN	S.M.BAE	S.M.BAE	UNIT	(mm) inch
DATE	06.11.16	DWG NO.	KS-BC-HOAG-7-A3	REV 0



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