

JYV

Global

solution

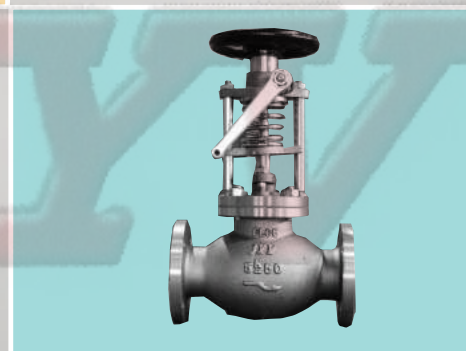
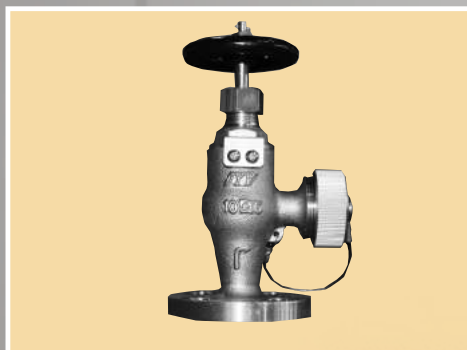
digital

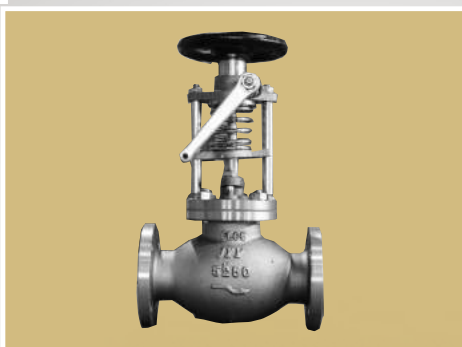
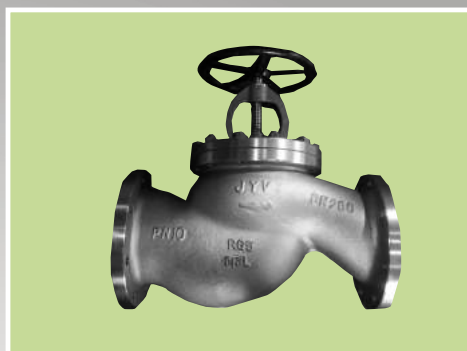
Design



JYV JAEYOU INDUSTRY CO., LTD.

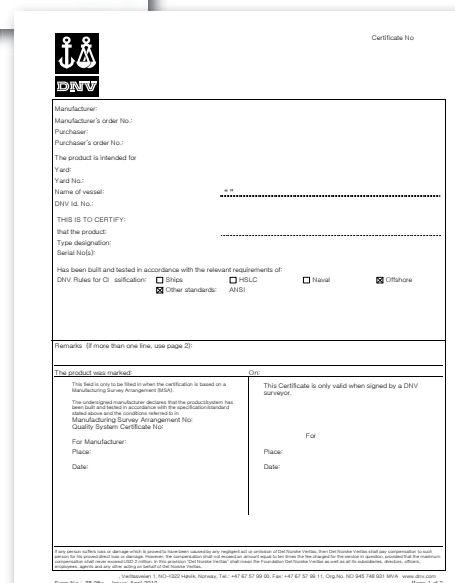
It's prohibited to copy or transcribe arbitrarily.





JAEYOU COMPANY HISTORY

1. OCT. 1998 THE COMPANY WAS ESTABLISHED UNDER THE NAME OF
"ASAN VALVE CO.,"
2. NOV. 1998 REGISTERED AT THE MINISTRY OF TRADE AND INDUSTRY AND ENERGY AS MANUFACTURER & TRADING
COMPANY.
3. FEB. 1999 REGISTERED AS A BUSINESS TO HYUNDAI SAMHO HEAVY INDUSTRIES CO., LTD.
4. JUN. 1999 REGISTERED AS A BUSINESS TO DAEWOO SHIOBUILDING & MARINE ENGINEERING CO., LTD.
5. NOV. 1999 STARTING EXPORT TO OVERSEAS MARKET (SINGAPORE, JAPAN, INDONESIA, MALAYSIA, TAIWAN,
DUBAI, SAUDI ARABIA)
6. MAY. 2000 CERTIFIED AS A MEMBER OF KOREA INTERNATIONAL TRADE ASSOCIATION.
7. JULY. 2000 GRANTED AS A VALVE MAKER BY KOREA SAFETY CORPORAITON
8. OCT. 2001 GRANTED QUALITY MANAGEMENT LICENSE.
9. FEB. 2002 REGISTERED AS A BUSINESS TO HYUNDAI HEAVY INDUSTRY CO., LTD.
10. JUN. 2003 MOVED TO 1622-5, SONGJEONG DONG, KANGSEO GU, PUSAN, KOREA
11. JUN. 2003 CHANGED COMPANY NAME AS TO JAEYOU INDUSTRY CO., LTD.
12. APR. 2006 MADE BUSINESS RELATIONSHIP TO BHARATI SHIPYARD LTD.(INDIA)
13. MAY. 2007 MADE BUSINESS RELATIONSHIP TO SAIGON SHIPYARD IND.(VIETNAM)
14. JUL. 2007 MADE BUSINESS RELATIONSHIP TO COCHIN SHIPYARD LTD.(INDIA)
15. AUG. 2007 RESISTERED AS A BUSINESS PARTNER TO PT DOK & PERKAPALAN KODJA BAHARI(PERSERO)
16. OCT. 2007 MADE BUSINESS RELATIONSHIP TO TUONG AIK SHPYARD SDN BHD.(MALAYSIA)
17. DEC. 2007 MADE BUSINESS RELATIONSHIP TO ABG SHIPYARD LTD.(INDIA)
18. JAN. 2008 MADE BUSINESS RELATIONSHIP TO ASIAN MARINE SERVICES PUBLIC COMPANY LIMITED.(THAILAND)
19. MAR. 2008 MADE BUSINESS RELATIONSHIP TO KLINGER DENMARK(DENMARK)
20. APR. 2008 MADE BUSINESS RELATIONSHIP TO CHOWGULE AND COMPANY PVT.LTD.(INDIA)
21. APR. 2008 MADE BUSINESS RELATIONSHIP TO PT.BATAMEC(INDONESIA)
22. MAY. 2008 MADE BUSINESS RELATIONSHIP TO ITALTHAI MARINE LTD.(THAILAND)
23. JUL. 2008 MADE BUSINESS RELATIONSHIP TO MARWAN HSIPPING CO.(U.A.E)
24. AUG. 2008 MADE BUSINESS RELATIONSHIP TO NGV TECH SDN BHD.(MALAYSIA)
25. OCT. 2009 QUALITY CERTIFIED ISO 9001:2008
26. NOV. 2011 MOVED TO 1591-10, SONG JEONG KANGSEO GU, BUSAN, KOREA.
JAN. 2013 (NEW ADDRESS) (SONGJEONG-DONG) 25, NOKSANSANDAN261-RO 14, GANGSEO-GU, BUSAN, KOREA.



It's prohibited to copy or transcribe arbitrarily.

TECHNICAL DATA

►►► SELECTION OF BUTTERFLY VALVES(Flow Co-efficient Cv)

Cv(pure number) is, in American units, the water flow rate is U.S. gallons per minute which passes through the valve giving a pressure drop of 1 psi at a temperature of 68° F.
In metric units the same co-efficient is called Kv and correspond to the flow rate in m³/h passing through the valve giving a pressure drop of 1 bar at a temperature of 20° C. The approximate corresponding formulas are:

$$Q = C_v \cdot \sqrt{\frac{\Delta P}{r}}$$

Where :

Q= valve flow rate in gpm(USGPM)
ΔP=pounds per square inch(psi) pressure drop through valve
r= specific gravity(for water at 68° F=1)

$$Q = C_v \cdot \sqrt{\frac{\Delta P}{r}}$$

Where :

Q= valve flow rate in m³/h
ΔP=pressure drop through the valve in bar
r= specific gravity (for water at 20° C = 1)

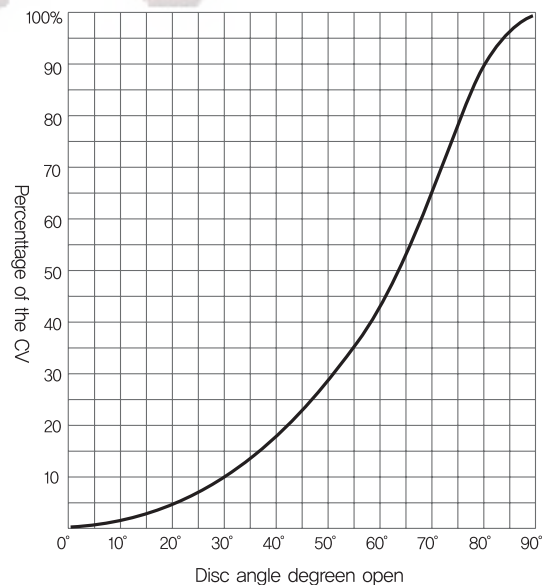
The relation between Cv and Kv, expressed in the above mentioned unit of measure is as follows : Cv=1.16Kv

● Flow rate Co-efficients Cv resilient seated butterfly valve

● VALUE CHARACTERISTICS

Flow rate Co-efficients Cv Values.									
Valve (inch)	Disc Opening(Degree)								
	10°	20°	30°	40°	50°	60°	70°	80°	90°
2	0.0	1.3	5	14	26	40	52	59	60
2½	0.0	1.4	6	21	44	74	107	138	151
3	0.7	1.5	8	29	67	115	175	234	262
4	1.7	12	48	107	196	318	463	589	647
5	3	32	99	206	365	579	832	1045	1141
6	4	47	145	295	510	810	1160	1450	1580
8	6	84	239	450	751	1190	1753	2385	2892
10	9	133	360	652	1064	1683	2524	3596	4593
12	12	192	509	899	1449	2288	3470	5085	6682
14	15	240	670	1140	1800	2800	4200	6000	7700
16	18	288	816	1344	2160	3360	5040	7200	9120
18	21	336	972	1602	2520	3960	5940	8400	10800
20	24	384	1152	1872	2880	4400	6600	9600	12480
24	30	480	1440	2304	3600	5400	8100	11760	15120
30	40	640	1920	3072	4800	7200	10800	15840	20160
36	50	864	2592	4032	6048	9072	13608	19656	25200
40	60	960	2880	4416	6624	9936	14880	21504	27840

Note : Cv=The flow rate of water in U.S. gpm that will pass through a valve with a pressure drop of 1 psi @ 60° F



The graph at side gives the percentage of the Cv value at any intermediate angle between 0° and 90°

OPERATING CHARACTERISTICS

FLANGED GATE, GLOBE, AND CHECKS

FLOW COEFFICIENTS

Flow coefficients are the same for both cast bronze and carbon steel and stainless steel bodies. Refer to main catalog for valve size offerings.

GATE VALVE Cv's													
CLASS 150													
SIZE	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Cv	298	466	694	1,234	2,873	5,109	8,622	12,416	17,651	23,055	30,603	37,782	57,349
CLASS 300													
SIZE	2"	2-1/2"	3"	4"	6"	8"	10"	12"					
Cv	289	452	672	1,194	2,776	4,935	7,982	11,929					

GLOBE VALVE Cv's									
CLASS 150									
SIZE	2"	2-1/2"	3"	4"	6"	8"	10"	12"	
Cv	46	72	105	166	400	810	1,310	1,900	
CLASS 300									
SIZE	2"	2-1/2"	3"	4"	6"	8"	10"		
Cv	46	84	104	165	436	692	1,120		

SWING CHECK VALVE Cv's												
CLASS 150												
SIZE	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
Cv	218		499	903	2,032	3,679	5,857	8,435	11,708	15,293	19,754	24,912
CLASS 300												
SIZE	2"	2-1/2"	3"	4"	6"	8"	10"	12"				
Cv	211	330	482	858	1,963	3,549	5,546	8,128				

Cv is the volume of water in U.S. gallons per minute that passes through the valve at a pressure drop of 1 PSI at 68°F. Cv is in imperial units in metric units, the same coefficient (often called the Flow Factor) is Kv and corresponds to the flow rate of water in cubic meters(m³) per hour at a pressure drop of 100kpa(1bar) at 20°C

CONTENTES

Cast Bronze JIS Industrial valves

■ JIS 5K Industrial Globe Valves and Globe check Valve(Screw Bonnet)	JIS fig127	12
■ JIS 5K Industrial Gate Valves Non Rising Stem (Screw Bonnet)	JYV fig123	13
■ JIS 10K Globe Valves	JIS B2026	14
■ JIS 10K Globe Screw-Down Check Valves	JIS B2026	14
■ JIS 10K Angle Valves	JIS B2027	15
■ JIS 10K Angle Screw-Down Check Valves	JIS B2027	15

JIS Marine valves

■ Hinge Cap For Sounding Pipes	Cast Bronze	JIS F3001	16
■ Hinge Cap For Sounding Pipes	Cast Bronze	JIS F3002	17
■ Self Closing Paralle Cock Heads For Short Sounding Pipe	Cast Bronze	JIS F3018	18
■ Self Closing Gate Valve Heads For Short Sounding Pipe	Cast Bronze	JIS F3019	19
■ JIS Ship's Deck Stand	Carbon Steel	JIS F3025	20
■ JIS 5K Ship's Foot valves	Cast Bronze	JIS F3056	21
■ JIS 10K Ship's Foot valves	Cast Bronze	Ref. to JIS F3056	21
■ JIS 5K Ship's Cylindrical Sight Glasses	Cast Iron	JIS F7218	22
■ JIS 5K Globe Valves	Cast Bronze	JIS F7301	23
■ JIS 16K Globe Valves	Cast Bronze	JIS F7303	23
■ JIS 5K Globe Screw-Down Check Valves	Cast Bronze	JIS F7351	23
■ JIS 16K Globe Screw-Down Check Valves	Cast Bronze	JIS F7409	23
■ JIS 5K Angle Valves	Cast Bronze	JIS F7302	24
■ JIS 16K Angle Valves	Cast Bronze	JIS F7304	24
■ JIS 5K Angle Screw-Down Check Valves	Cast Bronze	JIS F7352	24
■ JIS 16K Angle Screw-Down Check Valves	Cast Bronze	JIS F7410	24
■ JIS 5K Globe Valves	Cast Bronze	Ref. to JIS F7305	25
■ JIS 10K Globe Valves	Cast Bronze	Ref. to JIS F7307	25
■ JIS 16K Globe Valves	Cast Bronze	Ref. to JIS F7309	25
■ JIS 5K Globe Screw-Down Check Valves	Cast Bronze	Ref. to JIS F7353	25
■ JIS 10K Globe Screw-Down Check Valves	Cast Bronze	Ref. to JIS F7375	25
■ JIS 16K Globe Screw-Down Check Valves	Cast Bronze	Ref. to JIS F7377	25
■ JIS 5K Angle Valves	Cast Bronze	Ref. to JIS F7306	26
■ JIS 10K Angle Valves	Cast Bronze	Ref. to JIS F7308	26
■ JIS 16K Angle Valves	Cast Bronze	Ref. to JIS F7310	26
■ JIS 5K Angle Screw-Down Check Valves	Cast Bronze	Ref. to JIS F7354	26
■ JIS 10K Angle Screw-Down Check Valves	Cast Bronze	Ref. to JIS F7376	26
■ JIS 16K Angle Screw-Down Check Valves	Cast Bronze	Ref. to JIS F7378	26
■ JIS 5K/10K Hose Globe Valves	Cast Bronze	JIS F7334	27
■ JIS 5K/10K Hose Angle Valves	Cast Bronze	JIS F7334	27
■ JIS 5K/10K Hose Globe Valves	Cast Bronze	JIS F7334	28
■ JIS 5K/10K Hose Angle Valves	Cast Bronze	JIS F7334	28
■ JIS 5K/10K Hose Globe Valves	Cast Bronze	JYV HOSE-01	29
■ JIS 5K/10K Hose Angle Valves	Cast Bronze	JYV HOSE-02	29
■ JIS 5K Globe Valves (Union Bonnet Type)	Cast Bronze	JIS F7346	30
■ JIS 16K Globe Valves (Union Bonnet Type)	Cast Bronze	JIS F7348	30
■ JIS 5K Globe Screw-Down Check Valves (Union Bonnet Type)	Cast Bronze	JIS F7411	30
■ JIS 16K Globe Screw-Down Check Valves (Union Bonnet Type)	Cast Bronze	JIS F7413	30
■ JIS 5K Angle Valves (Union Bonnet Type)	Cast Bronze	JIS F7347	31
■ JIS 16K Angle Valves (Union Bonnet Type)	Cast Bronze	JIS F7349	31
■ JIS 5K Angle Screw-Down Check Valves (Union Bonnet Type)	Cast Bronze	JIS F7412	31
■ JIS 16K Angle Screw-Down Check Valves (Union Bonnet Type)	Cast Bronze	JIS F7414	31
■ JIS 5K Gate Valves	Cast Bronze	Ref. to JIS F7363	32
■ JIS 10K Gate Valves	Cast Bronze	Ref. to JIS F7364	32
■ JIS 16K Gate Valves	Cast Bronze	Ref. to JIS F7368	32
■ JIS 5K Gate Valves	Cast Bronze	JIS F7367	33

CONTENES

■ JIS 10K Gate Valves	Cast Bronze	JIS F7368	33
■ JIS 5K Swing Check Valves (Screw Bonnet Type)	Cast Bronze	JIS F7371	34
■ JIS 10K Swing Check Valves (Screw Bonnet Type)	Cast Bronze	Ref. to JIS F7371	34
■ JIS 5K Swing Check Valves	Cast Bronze	Ref. to JIS F7372	35
■ JIS 10K Swing Check Valves	Cast Bronze	Ref. to JIS F7373	35
■ JIS 5K Lift Check Valves (Union Bonnet Type)	Cast Bronze	JIS F7415	36
■ JIS 16K Lift Check Globe Valves (Union Bonnet Type)	Cast Bronze	JIS F7417	36
■ JIS 5K Lift Check Globe Valves	Cast Bronze	JIS F7358	37
■ JIS 5K Lift Check Angle Valves	Cast Bronze	JIS F7359	37
■ JIS 10K Lift Check Globe Valves	Cast Bronze	Ref. to JIS F7358	37
■ JIS 10K Lift Check Angle Valves	Cast Bronze	Ref. to JIS F7359	37
■ JIS 30K Stop Valves With Bite Joint	Brass	JIS F7379	38
■ JIS 5K 2 & 3Way Flanged Cocks	Cast Bronze	JIS F7381	39
■ JIS 10K 2 & 3Way Flanged Cocks	Cast Bronze	Ref. to JIS F7381	39
■ JIS 16K Cocks	Cast Bronze	JIS F7387	40
■ JIS 20K Globe Valves	Cast Bronze	JIS F7388	41
■ JIS 20K Angle Valves	Cast Bronze	JIS F7389	42
■ Fuel Oil Tank Self-Closing Drain Valves 5K	Cast Bronze	Ref. to JIS F7398	43
■ Fuel Oil Tank Self-Closing Drain Valves 10KK	Cast Bronze	JIS F7398	43
■ One-Handle Type For Quick Closing Valves (Wire Type)	Control Box	JIS F7399	44
■ Pneumatic Control Box For Emergency Shut-Off Valves	Control Box	JIS F7399	45
■ Fuel Oil Tank Emergency Shut-Off Valves 10K	Cast Bronze	JIS F7399	46
■ Fuel Oil Tank Emergency Shut-Off Valves 5K	Cast Bronze	JIS F7399	47
■ Fuel Oil Tank Emergency Shut-Off Valves 10K	Cast Bronze	JIS F7399	48
■ 5K, 10K Hydraulic Remote Controlled Quick Closing Valves	Cast Bronze	JYV Hyd Type-01	49
■ 5K, 10K Hydraulic Remote Controlled Quick Closing Valves	Cast Steel	JYV Hyd Type-02	50

ANSI Valves

■ CLASS 150 Globe Valves (Bolted Bonnet) OS & Y	Cast Bronze	API 600	52
■ CLASS 150 Swing Check Valves (Bolted Bonnet)	Cast Bronze	API 600	53
■ CLASS 150 Gate Valves (Bolted Bonnet) OS & Y	Cast Bronze	API 600	54
■ CLASS 150 Globe Valves (Bolted Bonnet) OS & Y	Nickel Aluminum Bronze	API 600	55
■ CLASS 150 Swing Check Valves (Bolted Bonnet)	Nickel Aluminum Bronze	API 600	56
■ CLASS 150 Gate Valves (Bolted Bonnet) OS & Y	Nickel Aluminum Bronze	API 600	57
■ CLASS 150 Globe Valves (Bolted Bonnet) OS & Y	Stainless Steel	API 600	58
■ CLASS 150 Swing Check Valves (Bolted Bonnet)	Stainless Steel	API 600	59
■ CLASS 150 Gate Valves (Bolted Bonnet) OS & Y	Stainless Steel	API 600	60
■ CLASS 150 Gate Valves (Bolted Bonnet) OS & Y Gear Box Type	Cast Bronze	API 600	61
■ Class 150 Hydrant Valves 30°	Cast Bronze	JYV Hydrant	62
■ Class 150 Hydrant Valves	Cast Bronze	Ref DIN86211	63
■ ASTM B62 Gate Valves (Screw Bonnet)Non Rising Stem	Cast Bronze	MSS-SP-80	64
■ ASTM B62 Globe Valves (Screw Bonnet)	Cast Bronze	MSS-SP-80	65
■ ASTM B62 Globe Screw-Down Check Valves (Screw Bonnet)	Cast Bronze	MSS-SP-80	65
■ CLASS 300 Globe Valves (Union Bonnet)	Cast Bronze	Ref JIS F7348	66
■ CLASS 300 Globe Screw-Down Check Valves (Union Bonnet)	Cast Bronze	Ref JIS F7413	66
■ CLASS 150 Globe Valves (Union Bonnet)	Cast Bronze	Ref JIS F7348	67
■ CLASS 150 Globe Screw-Down Check Valves (Union Bonnet)	Cast Bronze	Ref JIS F7413	67
■ CLASS 150 Gate Valves (Union Bonnet)	Cast Bronze	Ref JIS F7368	68
■ CLASS 300 Gate Valves (Union Bonnet)	Cast Bronze	Ref JIS F7368	69
■ CLASS 150 Swing Check Valves (Screw Bonnet)	Cast Bronze	Ref JIS F7371	70
■ CLASS 150 Swing Check Valves (Bolted Bonnet)	Cast Bronze	Ref JIS F7373	70
■ CLASS 150 Lift Check Valves (Union Bonnet)	Cast Bronze	Ref JIS F7417	71
■ CLASS 150 Lift Check Valves (Bolted Bonnet)	Cast Bronze	Ref JIS F7358	71
■ CLASS 150 Gate Valves (Bolted Bonnet) Non Rising Stem	Cast Bronze	Ref JIS F7364	72

CONTENES

DIN Valves

■ Hydraulically remote-controlled quick-closing valves	Control Unit	74
■ Impulse Unit For Hydraulic Remote Controlled Quick Closing Valves	Control Unit	75
■ PN 10/16 Hydraulic Remote Controlled Quick Closing Valves	Cast Bronze JYV HYD Type-03	76
■ PN 10/16 Hydraulic Remote Controlled Quick Closing Valves	Ductil Iron, Cast Steel JYV HYD Type-04	77
■ PN 6/10 Over Board Discharge Valve	Cast Steel DIN	78
■ PN 6/10 /16 Globe Valves and Globe Check Valve	Cast Bronze DIN 86260 and DIN 86261/F1	79
■ PN 6/10 /16 Angle Valves and Angle Check Valve	Cast Bronze DIN 86260 and DIN 86261/F32	80
■ PN 6/10 /16 Globe Valves	Cast Iron DIN 86251/F1	81
■ PN 6/10 /16 Globe Check Valves	Cast Iron DIN 86252/F1	81
■ PN 6/10 /16 Angle Valves	Cast Iron DIN 86251/F32	82
■ PN 6/10 /16 Angle Check Valves	Cast Iron DIN 86251/F32	82
■ PN 6/10 /16 Globe Valves	Ductil Iron, Cast Steel DIN 86251/F1	83
■ PN 6/10 /16 Globe Check Valves	Ductil Iron, Cast Steel DIN 86251/F1	83
■ PN 6/10 /16 Angle Valves	Ductil Iron, Cast Steel DIN 86251/F32	84
■ PN 6/10 /16 Angle Check Valves	Ductil Iron, Cast Steel DIN 86251/F32	84
■ PN 25/PN 40 Globe and Globe Check Valves	Cast Steel DIN/F1	85
■ PN 25/PN 40 Angle and Angle Check Valves	Cast Steel DIN/F32	85
■ PN 10/16 Gate Valves Non Rising Stem	Cast Bronze DIN 3352/2-F4(86703)	86
■ PN 10/16 Gate Valves Non Rising Stem	Cast Iron DIN 3352/2-F4(DIN3216)	87
■ PN 10/16 Gate Valves Non Rising Stem	Ductil Iron, Cast Steel DIN3352/2-F4(DIN3216)	88
■ PN 10 /16 Gate Valves OS&Y Rising Stem	Ductile Iron, Cast Steel DIN 3352/2-F4(DIN3216)	89
■ PN 16 Swing Check Valves (Bolted Bonnet)	Cast Steel DIN 3232/F6	90
■ PN 10/16 Lift Check Valves	Cast Iron DIN 86253/F1/F32	91
■ PN 10/16 Feed Check Valves	Cast Iron DIN 86253/F1/F32	92
■ PN 10/16 Storm Valves	Cast Steel DIN 87101/F6	93
■ PN 10/16 Angle Storm Valves	Cast Steel DIN 87101	94
■ Self Closing Sounding Cocks	Cast Bronze DIN 86120	95
■ PN 10/16 Globe Valves and Globe Check Valves	Cast Bronze DIN BB Short Type	96
■ PN 10/16 Angle Valves and Angle Check Valves	Cast Bronze DIN BB Short Type	96
■ PN 10/PN16 Globe and Globe Check Valves (Union Bonnet Type)	Cast Bronze DIN Long Type	97
■ PN 10/PN16 Globe and Globe Check Valves (Union Bonnet Type)	Cast Bronze DIN Short Type	98
■ PN 10/PN16 Angle and Angle Check Valves (Union Bonnet Type)	Cast Bronze DIN Short Type	98
■ PN 16 Gate Valves (Screw Bonnet)Non Rising Stem with Indicator	Cast Bronze DIN 3352-T11	99
■ PN 10/ 16 Self-Closing Valves Weight Loaded Type	Ductile Iron, Cast Steel DIN /F1/F32	100
■ PN 10/ 16 Hydrant Valves	Cast Bronze DIN 86211	101
■ Storz Type Coupling	Cast Bronze	102
■ SB336 Coupling (John Morris Coupling, Instantaneous Coupling)	Cast Bronze	103
■ ANSI Threads Coupling	Cast Bronze	104

SPECIAL Valves

■ JIS 5K Float Check Valves For Over Flow Pipes	Cast Iron	106
■ Surface Valves for Spill Oil (With Handle)	Cast Steel	107
■ Surface Valves(Natural Discharge Type)	Cast Steel	108
■ JIS 5K 2Way Ball Vall Valvas Pull Bore	Cast Bronze JYV Ball-01	109
■ JIS 10K 2Way Ball Valves Pull Bore	Cast Bronze JYV Ball-02	110
■ JIS 16K 2Way Ball Valves Pull Bore	Cast Bronze JYV Ball-03	111
■ CLASS 150 2Way Ball Valves Pull Bore	Cast Bronze JYV Ball-04	112

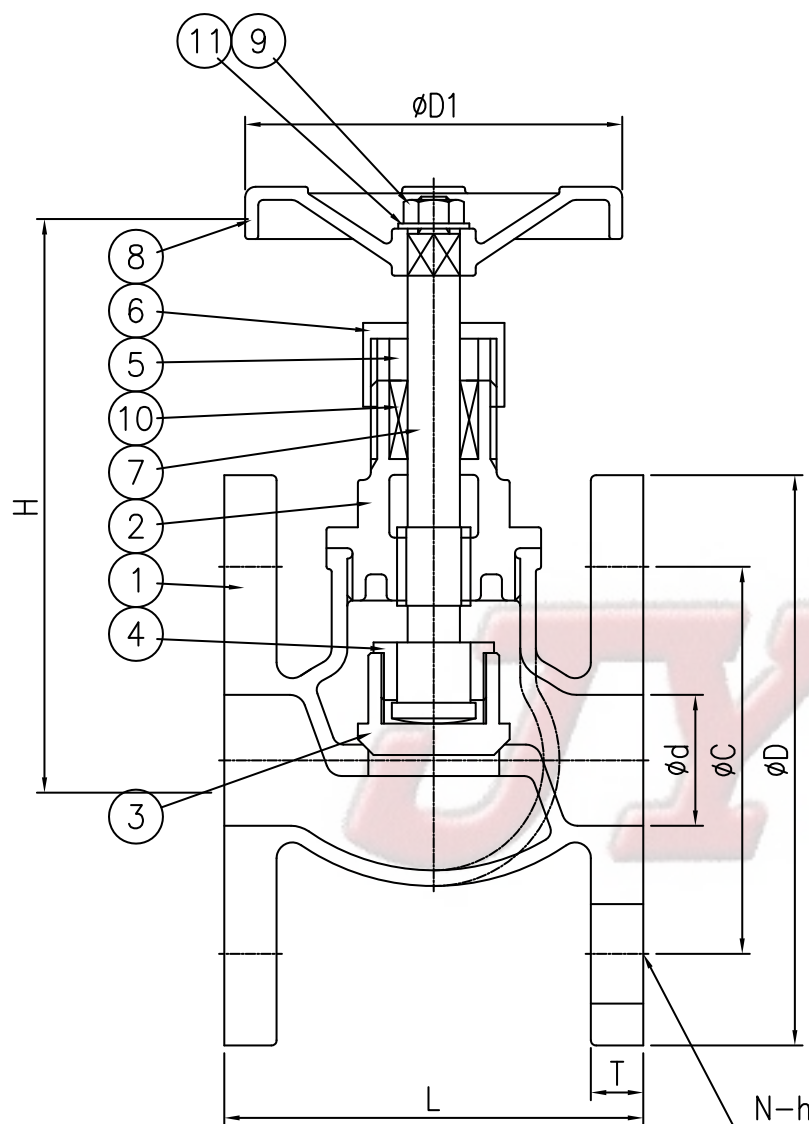
JIS MARINE VALVE JAPANESE INDUSTRIAL STANDARD



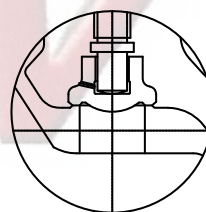
Cast Bronze JIS Industrial Valves

■ JIS 5K Industrial Globe Valves and Globe check Valve(Screw Bonnet)

JIS fig127



NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	BONNET	BRONZE / BRASS
3	DISC	BRONZE / BRASS
4	DISC NUT	BRASS
5	PACKING GLAND	BRASS
6	GLAND NUT	BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HANDLE NUT	STAINLESS STEEL
10	PACKING	NON ASBESTOS
11	WASHER	STEEL



Screw Down Non Return (SDNR)

DIMENSIONS(mm)

NB	d	L	D	C	N-h	T	D1	H
15	15	60	80	60	4-12	8	55	76
20	20	70	85	65	4-12	8.5	55	94
25	25	80	95	75	4-12	9.5	67	110
32	32	100	115	90	4-15	10.5	72	122
40	40	100	120	95	4-15	11.5	72	122
50	50	120	130	105	4-15	12	89	147
65	65	140	155	130	4-15	13	99	166
80	80	160	180	145	4-19	14	130	199
100	100	175	200	165	8-19	15	160	250

Test Pressure (Mpa)

Rating	5K
Hydrostatic press test (Shell)	1.03
Hydrostatic press test (Seat)	0.76

Remark : 1. The flanges shall conform to nominal pressure 5K and 10K.

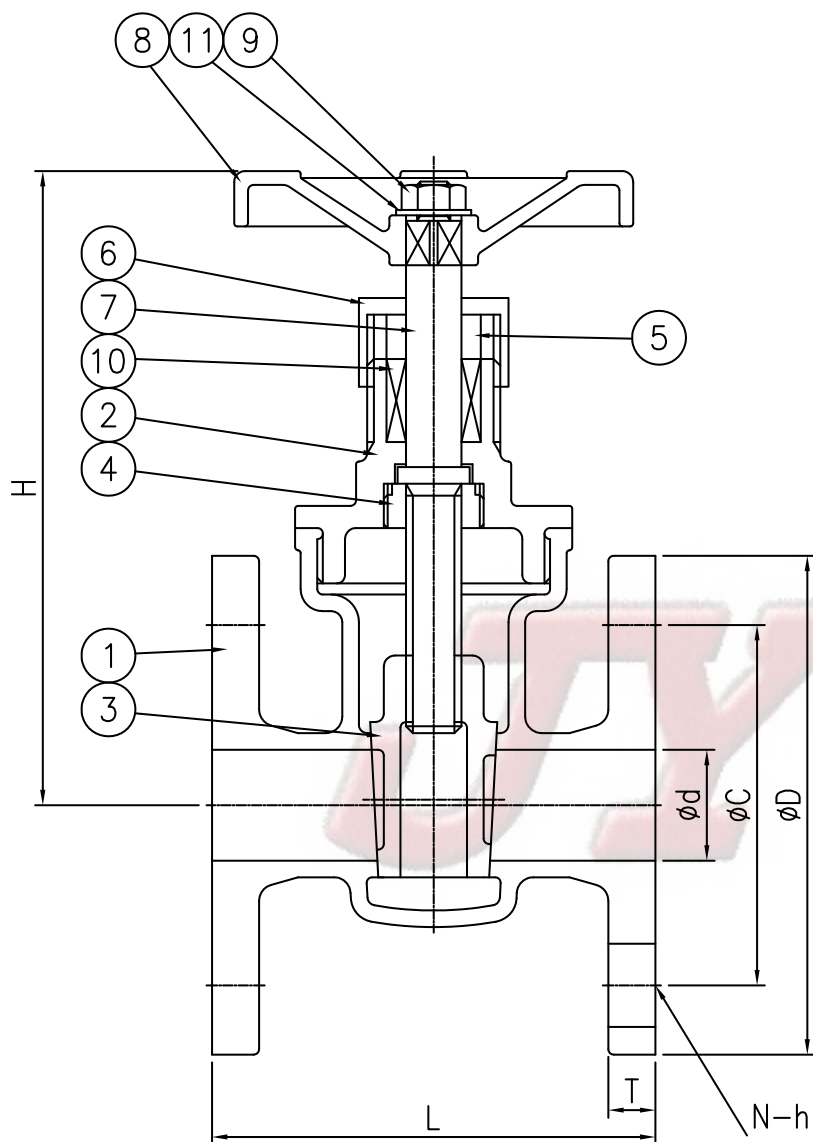
It's prohibited to copy or transcribe arbitrarily.



Cast Bronze JIS Industrial Valves

JIS 5K Industrial Gate Valves Non Rising Stem (Screw Bonnet)

JYV fig123



NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	BONNET	BRONZE
3	DISC	BRONZE
4	RING	BRASS
5	PACKING GLAND	BRASS
6	GLAND NUT	BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HANDLE NUT	STEEL
10	PACKING	NON ASBESTOS
11	WASHER	STEEL

DIMENSIONS(mm)

NB	d	L	D	C	N-h	T	D1	H
20	20	80	85	65	4-12	8.5	56	113
25	25	80	95	75	4-12	9.5	67	120
32	32	100	115	90	4-12	10.5	72	135
40	40	100	120	95	4-15	11.5	72	146
50	50	115	130	105	4-15	12	89	179
65	65	128	155	130	4-15	13	99	210
80	80	142	180	145	4-19	14	99	242
100	100	165	200	165	8-19	15	130	284

Test Pressure (Mpa)

Rating	5K
Hydrostatic press test (Shell)	1.03
Hydrostatic press test (Seat)	0.76

Remark : 1. The flanges shall conform to nominal pressure 5K and 10K.

It's prohibited to copy or transcribe arbitrarily.

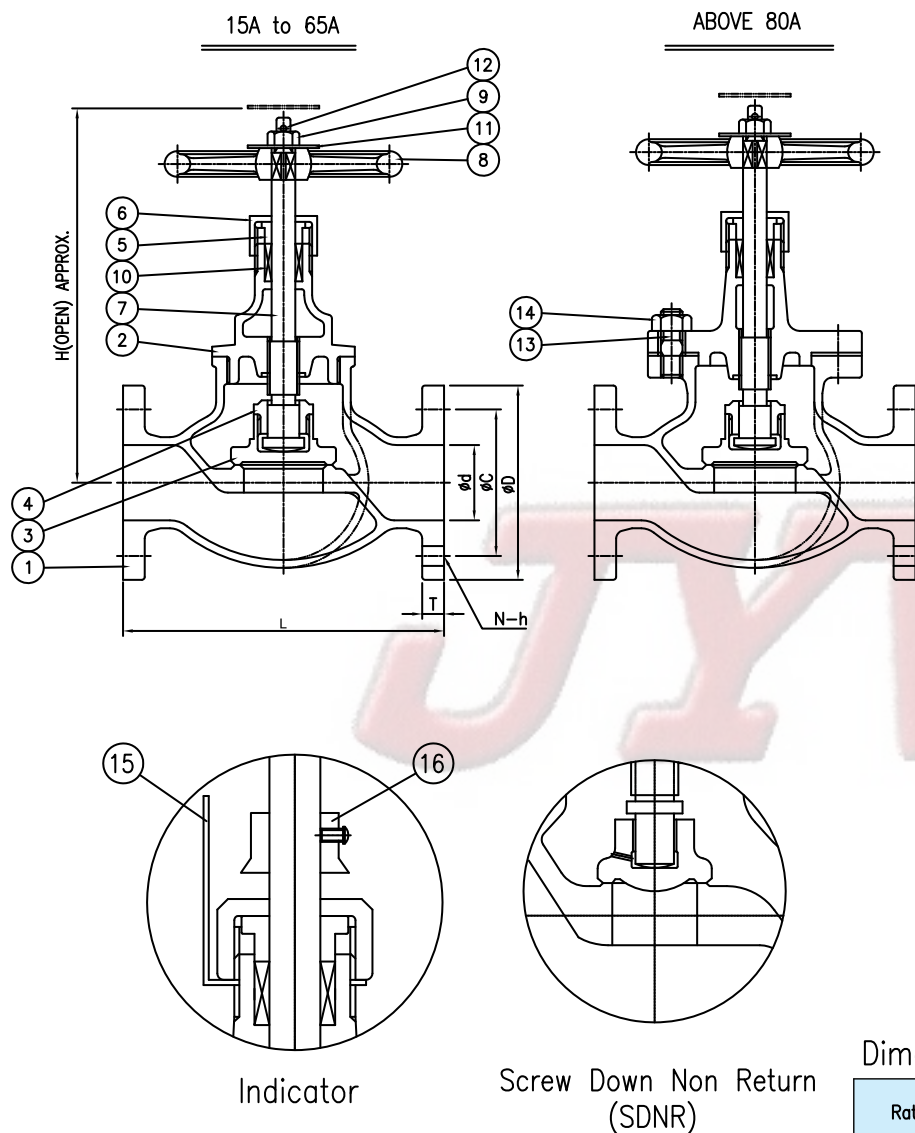
Cast Bronze JIS Marine Valves

■ JIS 10K Globe Valves

JIS B2026

■ JIS 10K Globe Screw-Down Check Valves

JIS B2026



NO.	PARTS	MATERIAL
1	BODY	BRONZE /JIS H5120 CAC406
2	BONNET	BRONZE / BRASS
3	DISC	BRONZE / BRASS
4	DISC NUT	BRONZE / BRASS
5	PACKING GLAND	BRONZE / BRASS
6	GLAND NUT	BRONZE / BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HANDLE NUT	STAINLESS STEEL
10	PACKING	NON ASBESTOS
11	WASHER	STAINLESS STEEL
12	SPLIT PIN	BRASS
13	BONNET BOLT	STAINLESS STEEL
14	BONNET NUT	STAINLESS STEEL
15	INDICATOR PLATE	BRASS PLATE
16	INDICATOR	BRASS

Dimension Table (Unit : mm)

Rating	Size	d	L	FLANGE				H
				D	C	N-h	T	
JIS 10K (JIS B2026)	15A	15	85	95	70	4-15	12	110
	20A	20	95	100	75	4-15	14	125
	25A	25	110	125	90	4-19	14	140
	32A	32	130	135	100	4-19	16	170
	40A	40	150	140	105	4-19	16	180
	50A	50	180	155	120	4-19	16	205
	65A	65	210	175	140	4-19	18	240
	80A	80	240	185	150	8-19	20	275
	100A	100	280	210	175	8-19	22	345

Test Pressure (MPa)

Rating	JIS 10K
Hydrostatic press test (Shell)	2.1
Hydrostatic press test (Seat)	1.54

Remark : 1. The flanges shall conform to nominal pressure 5K and 10K.

It's prohibited to copy or transcribe arbitrarily.



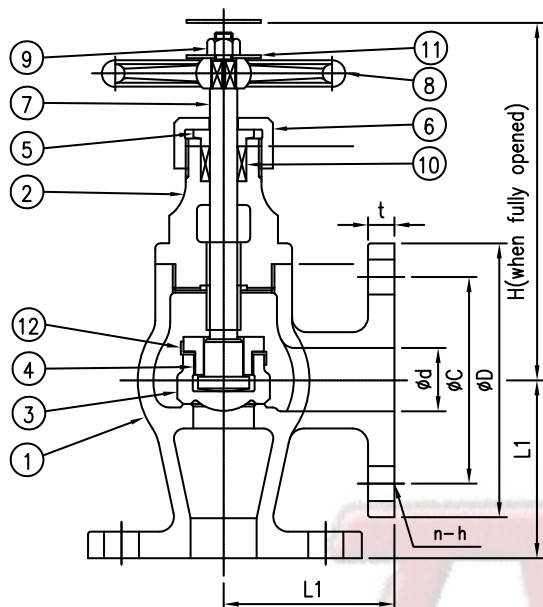
Cast Bronze JIS Marine Valves

■ JIS 10K Angle Valves

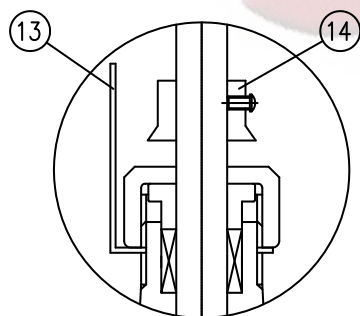
JIS B2027

■ JIS 10K Angle Screw-Down Check Valves

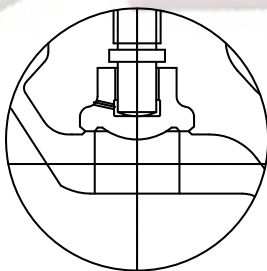
JIS B2027



NO.	PARTS	MATERIAL
1	BODY	BRONZE /JIS H5120 CAC406
2	BONNET	BRONZE / BRASS
3	DISC	BRONZE / BRASS
4	DISC NUT	BRONZE / BRASS
5	PACKING GLAND	BRONZE / BRASS
6	GLAND NUT	BRONZE / BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HANDLE NUT	STAINLESS STEEL
10	PACKING	NON ASBESTOS
11	WASHER	STAINLESS STEEL
12	DISC STOPPER	BRASS
13	INDICATOR PLATE	BRASS PLATE
14	INDICATOR	BRASS



Indicator



Screw Down Non Return
(SDNR)

Dimension Table (Unit : mm)

Rating	Size	d	L1	FLANGE				H
				D	C	N-h	T	
JIS 10K (JIS B2026)	15A	15	62	95	70	4-15	12	110
	20A	20	65	100	75	4-15	14	125
	25A	25	80	125	90	4-19	14	140
	32A	32	85	135	100	4-19	16	170
	40A	40	90	140	105	4-19	16	180
	50A	50	100	155	120	4-19	16	205
	65A	65	110	175	140	4-19	18	240

Test Pressure (MPa)

Rating	JIS 10K
Hydrostatic press test (Shell)	2.1
Hydrostatic press test (Seat)	1.54

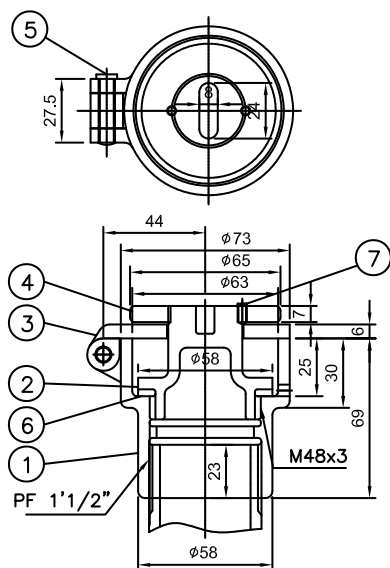
Remark : 1. The flanges shall conform to nominal pressure 5K and 10K.

It's prohibited to copy or transcribe arbitrarily.

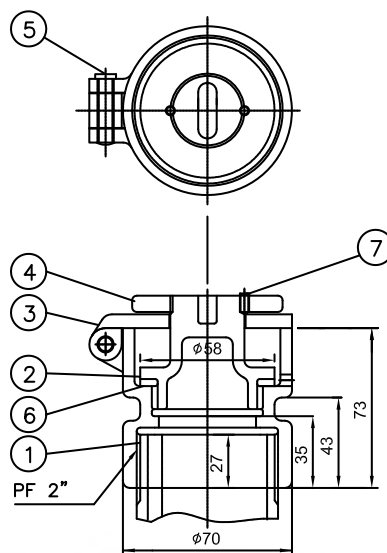
Cast Bronze JIS Marine valves

Hinge Cap For Sounding Pipes

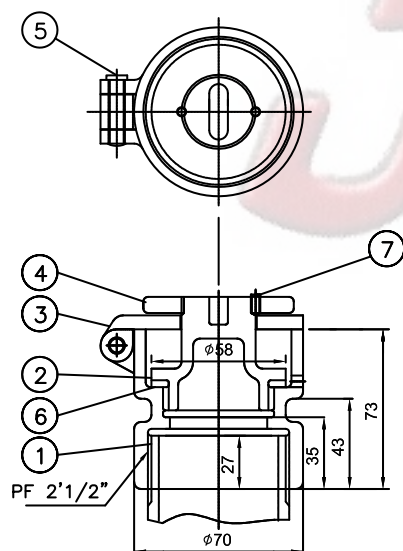
JIS F3001



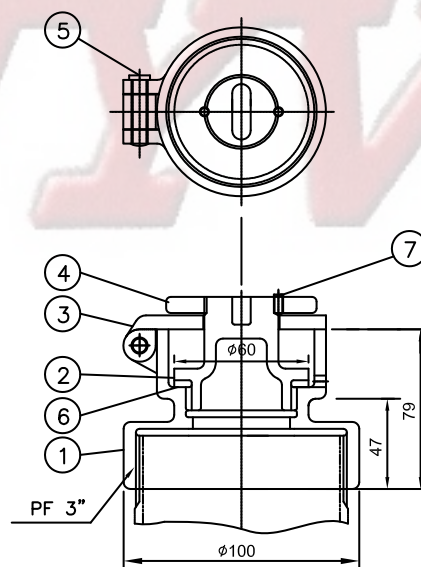
< 40A >



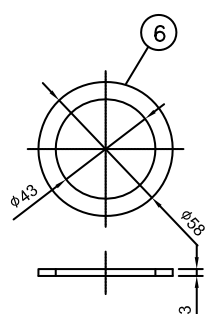
< 50A >



< 65A >



< 80A >



NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	COVER	BRONZE / IS H5120 CAC406
3	HINGE	BRONZE / JIS H5120 CAC406
4	CHECK RING	BRONZE / JIS H5120 CAC406
5	PIN	BRASS
6	GASKET	RUBBER
7	SET SCREW	BRASS WIRE

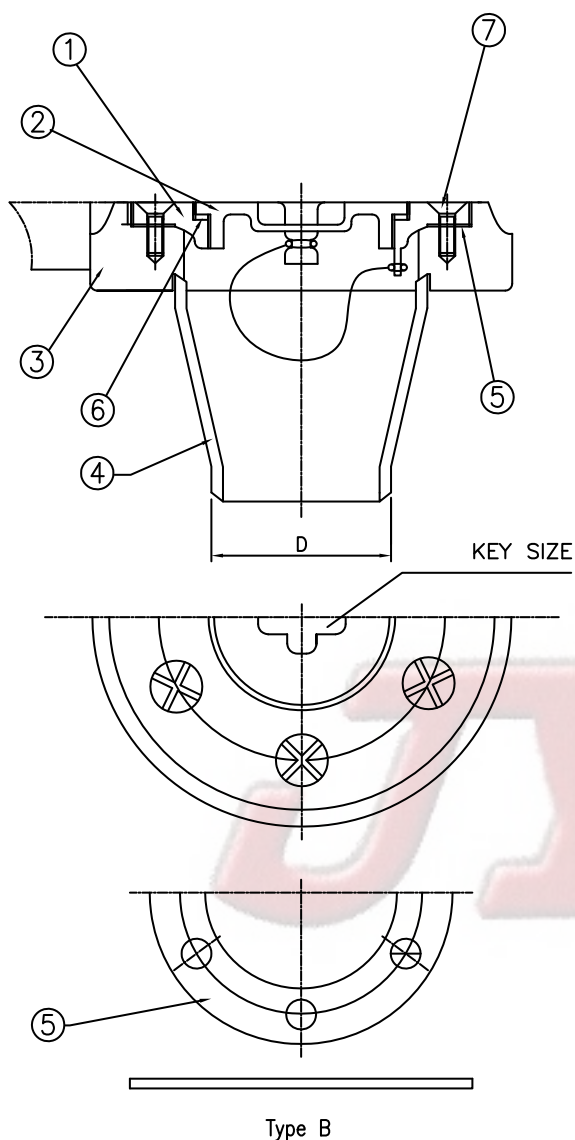
It's prohibited to copy or transcribe arbitrarily.



Cast Bronze Marine valves

■ Hinge Cap For Sounding Pipes

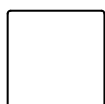
JIS F3002



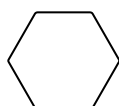
NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	COVER	BRONZE / JIS H5120 CAC406
3	WASHER	STEEL
4	REDUCER	STEEL
5	GASKET	NON ASBESTOS
6	GASKET	RUBBER
7	FLAT HEAD BOLT	BRASS

(Unit : mm)

Nominal diameter	Outside diameter of pipe	Reducer
		D
40	48.6	48.6
50	60.5	60.5
65	76.3	76.3
80	89.1	89.1



< RECTANGULAR KEY SIZE >

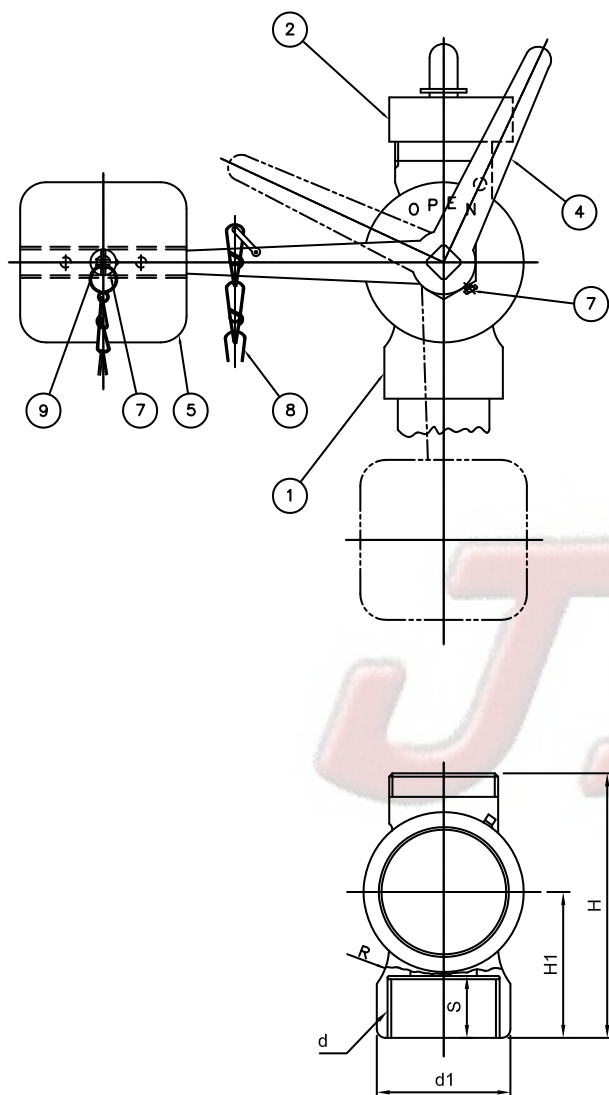


< HEXAGON KEY SIZE >

Cast Bronze JIS Marine valves

■ Self Closing Paralle Cock Heads For Short Sounding Pipe

JIS F3018



NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	CAP	BRONZE / JIS H5120 CAC406
3	COCK PLUG KEEPER	BRONZE / JIS H5120 CAC406
4	LEVER	STEEL
5	COUNTERWEIGHT	CAST IRON
6	PIN	STEEL
7	LEVER CHECK BOLT	STEEL
8	CHAINLET	STEEL
9	SPLIT PIN	BRASS

Test Pressure (MPa)

Rating	JIS 10K
Hydrostatic press test (Body)	0.29
Hydrostatic press test (Facing)	0.20

Dimension Table (Unit : mm)

NOMINAL DIA.	BODY					
	d	d1	S	H	H1	R
40A	PF1-1/2	60	25	130	65	10
50A	PF2	70	30	135	70	14
65A	PF2-1/2	86	30	135	70	23
80A	PF3	100	35	145	80	35

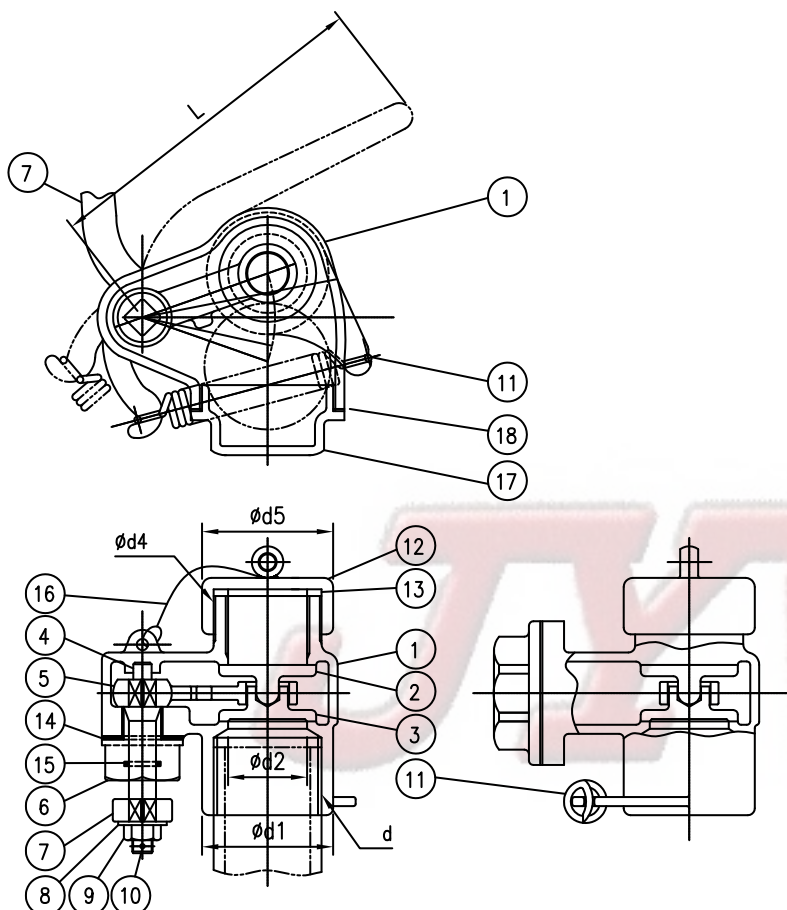
It's prohibited to copy or transcribe arbitrarily.



Cast Bronze Marine valves

■ Self Closing Gate Valve Heads For Short Sounding Pipe

JIS F3019



NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	VALVE	BRONZE / JIS H5120 CAC406
3	VALVE	BRONZE / JIS H5120 CAC406
4	SPINDLE FOR HANDLE	BRASS
5	LEVER	BRONZE
6	PACKING GLAND	BRONZE
7	HANDLE	CAST IRON
8	WASHER	BRASS
9	HEXAGON NUT	BRASS
10	SPLIT PIN	BRASS
11	COIL SPRING	STEEL
12	CAP	BRONZE
13	GASKET	OIL RESISTING RUBBER
14	GASKET	OIL RESISTING RUBBER
15	PACKING	OIL RESISTING RUBBER
16	CHAIN	BRASS
17	COVER	BRONZE
18	GASKET	OIL RESISTING RUBBER

Test Pressure (MPa)

Rating	JIS 5K
Hydrostatic press test (Body)	0.29
Hydrostatic press test (Facing)	0.20

Dimension Table (Unit : mm)

SIZE	ød1	ød2	L	d4	d5	d
40A	58	35	180	PF 1-1/2	68	PF1-1/2
50A	70	50	200	PF 2	70	PF 2
65A	85	50	200	PF 2	70	PF2-1/2
80A	100	50	200	PF 2	70	PF 3

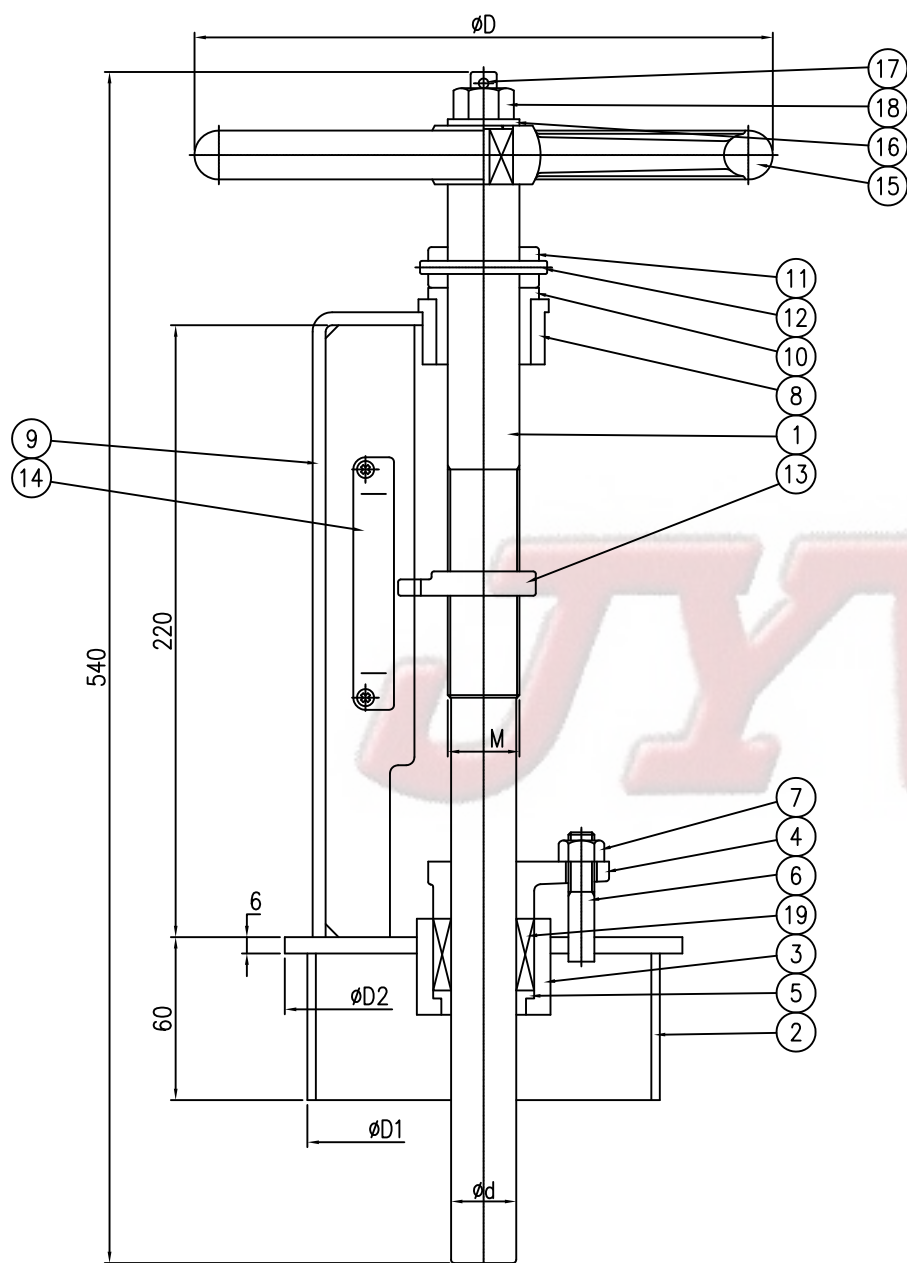
Remark : 1. The flanges shall conform to nominal pressure 5K and 10K.

It's prohibited to copy or transcribe arbitrarily.

Carbon Steel JIS Marine Valves

■ JIS Ship's Deck Stand

JIS F3025



NO.	PARTS	MATERIAL
1	SHAFT	SUS304
2	STAND	STPG #40 PIPE
3	PACKING BOX	STEEL / SS400
4	PACKING GLAND	BRONZE
5	BUSH	BRASS
6	PACKING BOLT	STEEL / SS400
7	PACKING NUT	STEEL / SS400
8	GUIDE RING	STEEL / SS400
9	SUPPORT	STEEL / SS400
10	BUSH	BRASS
11	RING	BRASS
12	RING	STEEL / SS400
13	INDICATOR	BRONZE
14	INDICATOR PLATE	BRASS PLATE
15	HAND WHEEL	CAST IRON
16	WASHER	STEEL / SS400
17	SPLIT PIN	BRASS WIRE
18	HAND WHEEL NUT	STEEL / SS400
19	PACKING	NON ASBESTOS

SIZE	d	D	D1	D2	M
20	20	250	89.1	100	M25x2
25	25	250	139.8	152	M30x2
32	32	315	139.8	152	M35x2
40	40	355	216.3	230	M45X2

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.



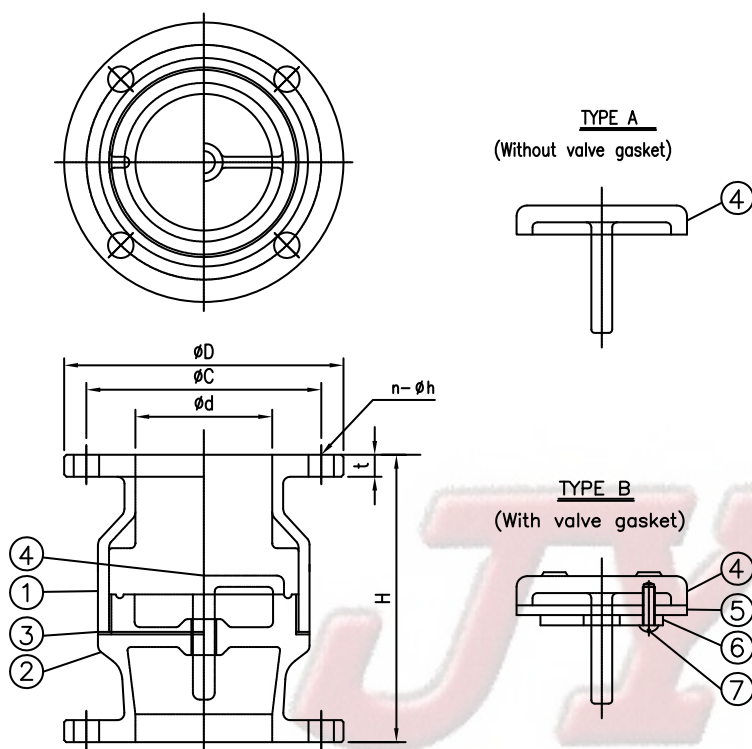
Cast Bronze JIS Marine valves

■ JIS 5K Ship's Foot valves

JIS F3056

■ JIS 10K Ship's Foot valves

Ref.to JIS F3025



NO.	PARTS	MATERIAL
1	BODY (UPPER PART)	BRONZE / JIS H5120 CAC406
2	BODY (LOWER PART)	BRONZE / JIS H5120 CAC406
3	GASKET	BRONZE
4	VALVE	BRONZE
5	VALVE GASKET	BRONZE
6	GASKET KEEP	BRONZE
7	MACHINE SCREW	BRASS

Test Pressure (MPa)

Rating	JIS 5K	JIS 10K
Hydrostatic press test (Body)	0.2	0.2

Dimension Table (Unit : mm)

Rating	Size	ϕd	ϕD	ϕC	$N-\phi h$	t	H
JIS 5K (JIS F7301)	40A	40	120	95	4-15	12	130
	50A	50	130	105	4-15	14	142
	80A	80	180	145	4-19	14	194
Rating	Size	ϕd	ϕD	ϕC	$N-\phi h$	t	H
JIS 10K (JIS F7301)	40A	40	140	105	4-19	14	130
	50A	50	155	120	4-19	14	142
	80A	80	185	150	8-19	16	194

Remark : 1. The flanges shall conform to nominal pressure 5K and 10K.

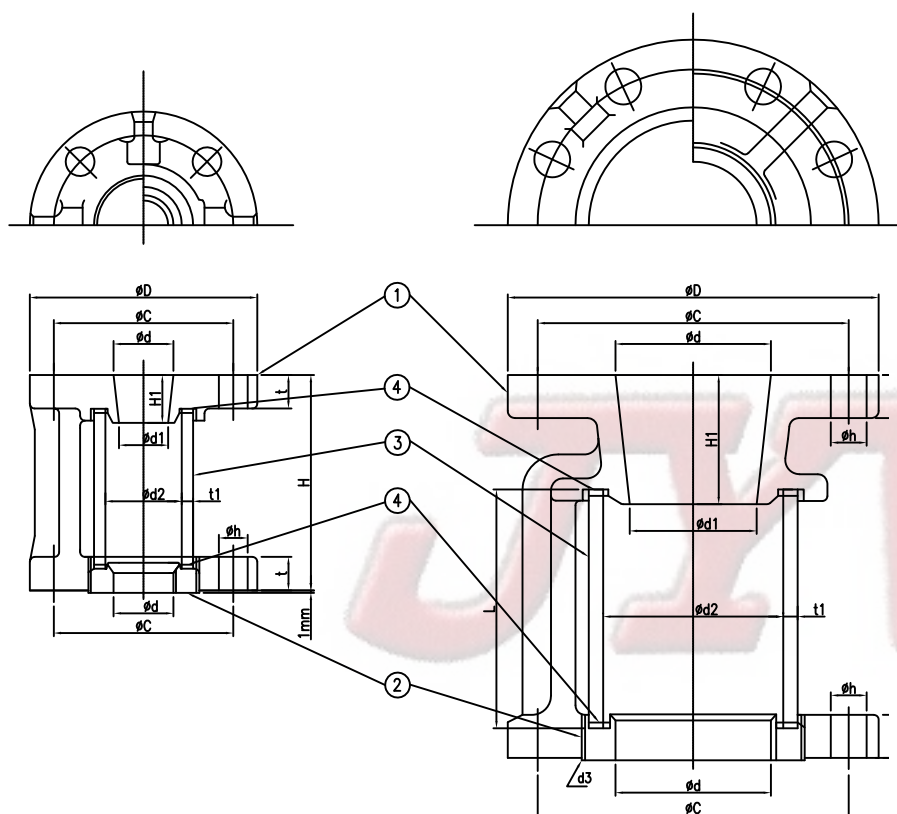
It's prohibited to copy or transcribe arbitrarily.

Cast Iron JIS Marine valves

JIS 5K Ship's Cylindrical Sight Glasses

JIS F7218

NO.	PARTS	MATERIAL
1	BODY	JIS G5501 FC200
2	COVER	BRONZE / JIS H5120 CAC406
3	CYLINDRICAL CLASS	POLIMETHYL
4	GASKET	NON ASBESTOS



DIMENSION

(Unit:mm)

SIZE	d	d1	H	FLANGE JIS 5K FF				H1				Weight (kg)
				ØD	ØC	n-Øh	t		L	d2	t1	
25A	25	20.5	90	95	75	4-12	14	20	63	36	4	2.0
32A	32	27	100	115	90	4-15	16	22	69	45	4.5	3.0
40A	40	35	100	120	95	4-15	16	22	69	52	4.5	3.1
50A	50	45	115	130	105	4-15	16	22	84	61	5	3.5
65A	65	53	160	155	130	4-15	18	54	96	83	6	6.0
80A	80	66	180	180	145	4-19	18	60	110	92	6.5	9.0
100A	100	85	210	200	165	8-19	20	65	134	110	7.5	12.0
125A	125	110	245	235	200	8-19	20	65	169	140	10	16.5
150A	150	128	310	265	230	8-19	22	65	204	168	11	23.9
200A	200	175	380	320	280	8-23	24	110	259	210	13	37.0

Test Pressure (MPa)

Rating	JIS 5K
Hydrostatic press test (Body)	0.15

Remark : 1. The flanges shall conform to nominal pressure 5K and 10K.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze JIS Marine valves

■ JIS 5K Globe Valves

JIS F7301

■ JIS 16K Globe Valves

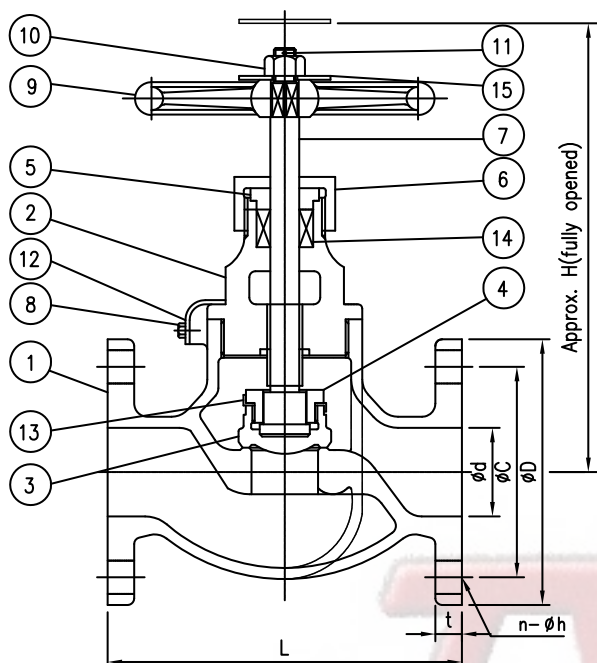
JIS F7303

■ JIS 5K Globe Screw-Down Check Valves

JIS F7351

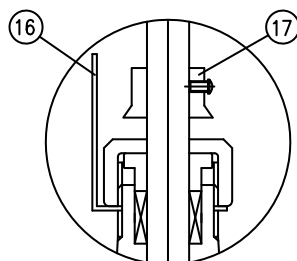
■ JIS 16K Globe Screw-Down Check Valves

JIS F7409

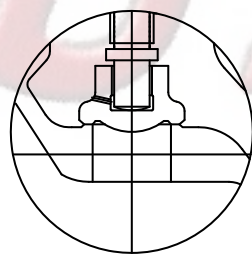


Screwed Bonnet Integral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE OR FORGED BRASS
3	DISC	BRONZE OR BRASS
4	VALVE DISC NUT	BRASS
5	PACKING GLAND	BRASS
6	GLAND NUT	BRASS
7	STEM	BRASS
8	SET SCREW	BRASS
9	HANDWHEEL	CAST IRON
10	HEXAGON NUT	STEEL
11	SPLIT PIN	BRASS
12	LOCK PLATE	BRASS
13	DISC LOCK WASHER	BRASS
14	PACKING	NON ASBESTOS
15	WASHER	STEEL
16	INDICATOR PLATE	BRASS
17	INDICATOR PIECE	BRASS



Indicator



Screw Down Non Return
(SDNR)

Fluid Condition & Max. Working pressure (MPa)

Fluid Condition \ Rating	JIS 5K	JIS 16K
Steam up to 205°C	5	16
Air, Gas, Oil and Pulsation Water		
Non-Shock Water up to 120°C	7	22

Test Pressure (MPa)

Rating	JIS 5K	JIS 16K
Hydrostatic press test (Shell)	1.05	3.3
Hydrostatic press test (Seat)	0.77	2.42

Dimension Table

(Unit : mm)

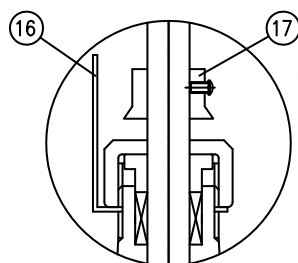
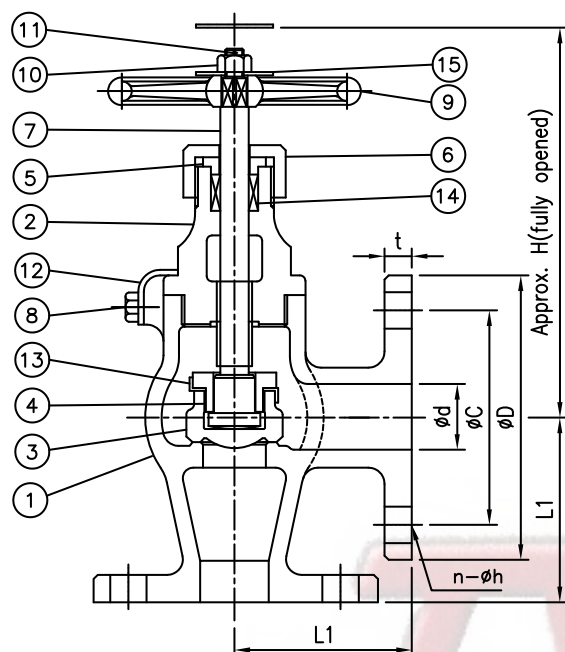
Rating	Size	ϕd	ϕD	ϕC	$N-\phi h$	t	L	H	Weight (kg)
JIS 5K (JIS F7301)	15A	15	80	60	4-12	9	100	130	2.02
	20A	20	85	65	4-12	10	110	140	2.86
	25A	25	95	75	4-12	10	120	160	3.54
	32A	32	115	90	4-15	12	140	170	5
	40A	40	120	95	4-15	12	160	190	6.48
	50A	50	130	105	4-15	14	210	235	11.7
JIS 16K (JIS F7303)	65A	65	155	130	4-15	14	250	260	17
	15A	15	95	70	4-15	12	110	130	2.76
	20A	20	100	75	4-15	14	120	140	3.72
	25A	25	125	90	4-19	14	130	160	5.20
	32A	32	135	100	4-19	16	160	170	6.91
	40A	40	140	105	4-19	16	180	190	8.43

Remark : 1. The flanges shall conform to nominal pressure 5K and 16K of JIS B 2240.
2. JIS F7301 5K for nominal dia 50 and 65 shall be made Bolted Bonnet type.

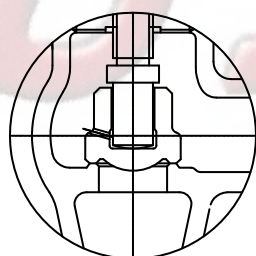
It's prohibited to copy or transcribe arbitrarily.

Cast Bronze JIS Marine valves

■ JIS 5K Angle Valves	JIS F7302
■ JIS 16K Angle Valves	JIS F7304
■ JIS 5K Angle Screw-Down Check Valves	JIS F7352
■ JIS 16K Angle Screw-Down Check Valves	JIS F7410



Indicator



Screw Down Non Return (SDNR)

Screwed Bonnet Integral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / FORGED BRASS
3	DISC	BRONZE OR BRASS
4	VALVE DISC NUT	BRASS
5	PACKING GLAND	BRASS
6	GLAND NUT	BRASS
7	STEM	BRASS
8	SET SCREW	BRASS
9	HANDWHEEL	CAST IRON
10	HEXAGON NUT	STEEL
11	SPLIT PIN	BRASS
12	LOCK PLATE	BRASS
13	DISC LOCK WASHER	BRASS
14	PACKING	NON ASBESTOS
15	WASHER	STEEL
16	INDICATOR PLATE	BRASS
17	INDICATOR PIECE	BRASS

Fluid Condition & Max. Working pressure (MPa)

Rating	JIS 5K	JIS 16K
Fluid Condition		
Steam up to 205°C	5	16
Air, Gas, Oil and Pulsation Water		
Non-Shock Water up to 120°C	7	22

Test Pressure (MPa)

Rating	JIS 5K	JIS 16K
Hydrostatic press test (Shell)	1.05	3.3
Hydrostatic press test (Seat)	0.77	2.42

Dimension Table (Unit : mm)

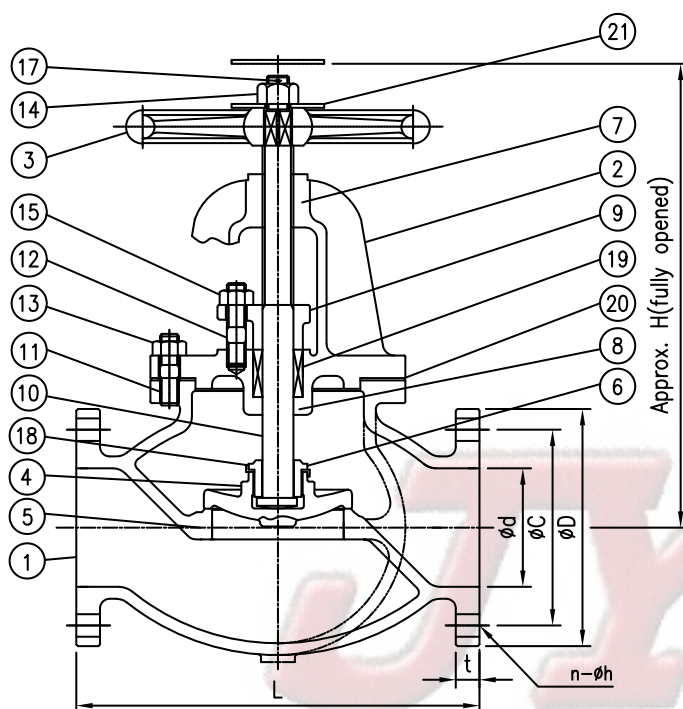
Rating	Size	ød	øD	øC	N-øh	t	L1	H	Weight (kg)
JIS 5K (JIS F7302)	15A	15	80	60	4-12	9	55	120	1.98
	20A	20	85	65	4-12	10	60	130	2.73
	25A	25	95	75	4-12	10	65	145	3.44
	32A	32	115	90	4-15	12	80	150	4.77
	40A	40	120	95	4-15	12	85	165	5.99
	50A	50	130	105	4-15	14	100	200	10.1
	65A	65	155	130	4-15	14	115	220	15.6
JIS 16K (JIS F7304)	15A	15	95	70	4-15	12	70	120	2.73
	20A	20	100	75	4-15	14	75	130	3.65
	25A	25	125	90	4-19	14	85	145	5.16
	32A	32	135	100	4-19	16	95	150	6.72
	40A	40	140	105	4-19	16	100	165	8.13

Remark : 1. The flanges shall conform to nominal pressure 5K and 16K of JIS B 2240.
2. JIS F7301 5K for nominal dia 50 and 65 shall be made Bolted Bonnet type.

It's prohibited to copy or transcribe arbitrarily.

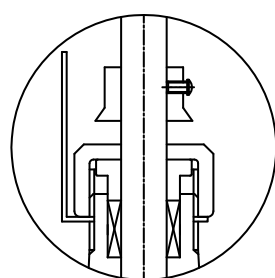
Cast Bronze JIS Marine valves

■ JIS 5K Globe Valves	Ref. to JIS F7305
■ JIS 10K Globe Valves	Ref. to JIS F7307
■ JIS 16K Globe Valves	Ref. to JIS F7309
■ JIS 5K Globe Screw-Down Check Valves	Ref. to JIS F7353
■ JIS 10K Globe Screw-Down Check Valves	Ref. to JIS F7375
■ JIS 16K Globe Screw-Down Check Valves	Ref. to JIS F7377

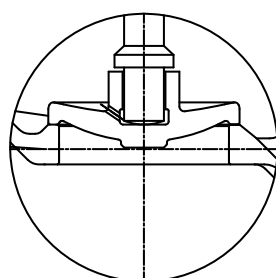


Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	HANDWHEEL	CAST IRON
4	DISC	BRONZE / JIS H5120 CAC406
5	VALVE SEAT	INTEGRAL / BRONZE
6	DISC NUT	BRASS
7	SCREW BONNET BUSH	INTEGRAL
8	BONNET BUSH	INTEGRAL
9	PACKING GLAND	BRONZE
10	STEM	BRASS
11	STUD BOLT	STAINLESS STEEL / BRASS
12	STUD BOLT	STAINLESS STEEL / BRASS
13	HEXAGON NUT	STAINLESS STEEL
14	HEXAGON NUT	STAINLESS STEEL
15	HEXAGON NUT	STAINLESS STEEL
17	SPLIT PIN	BRASS
18	DISC LOCK WASHER	BRASS
19	PACKING	NON ASBESTOS
20	GASKET	NON ASBESTOS
21	WASHER	STEEL



Indicator



Screw Down Non Return (SDNR)

Test Pressure (MPa)

Rating	JIS 5K		JIS 10K		JIS 16K
Size	Up to 300A	350A to 400A	Up to 200A	Over 250A	50A~200A
	Globe / Globe Screw Down check				
Hydrostatic press test (Shell)	1.05	0.9	2.1	1.5	3.3
Hydrostatic press test (Seat)	0.77	0.66	1.54	1.1	2.42

Dimension Table

(Unit : mm)

Rating	Size	50A	65A	80A	100A	125A	150A	200A	250A	300A	350A	400A
JIS 5K (JIS F7305) (JIS F7353)	ϕd	50	65	80	100	125	150	200	250	300	335	380
	ϕD	130	155	180	200	235	265	320	385	430	480	540
	ϕC	105	130	145	165	200	230	280	345	390	435	495
	N- ϕh	4-15	4-15	4-19	8-19	8-19	8-19	8-23	12-23	12-23	12-25	16-25
	t	14	14	14	16	16	18	20	22	22	24	24
	L	210	250	280	340	410	480	570	740	840	940	1050
	H	270	300	310	360	390	445	530	650	740	840	940
	Weight	17.64	25.56	33.25	48.96	69.12	96.36	166.8	295.2	452.4	554.4	776.4
JIS 10K (JIS F7307) (JIS F7375)	ϕd	50	65	80	100	125	150	200	250	300		
	ϕD	155	175	185	210	250	280	330	400	445		
	ϕC	120	140	150	175	210	240	290	355	400		
	N- ϕh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	16-25		
	t	16	18	18	18	20	22	22	24	24		
	L	220	270	300	350	420	490	570	740	840		
	H	285	310	320	370	420	470	555	680	770		
	Weight	23.88	34.44	38.88	58.44	87.72	124.8	194.4	364.8	549.6		
JIS 16K (JIS F7309) (JIS F7377)	ϕd	50	65	80	100	125	150	200				
	ϕD	155	175	200	225	270	305	350				
	ϕC	120	140	160	185	225	260	305				
	N- ϕh	8-19	8-19	8-23	8-23	8-25	12-25	12-25				
	t	16	18	20	22	24	26	28				
	L	220	270	300	350	430	500	570				
	H	285	310	340	385	455	510	630				
	Weight	23.52	33.96	48.48	68.28	107.4	147.6	225.6				

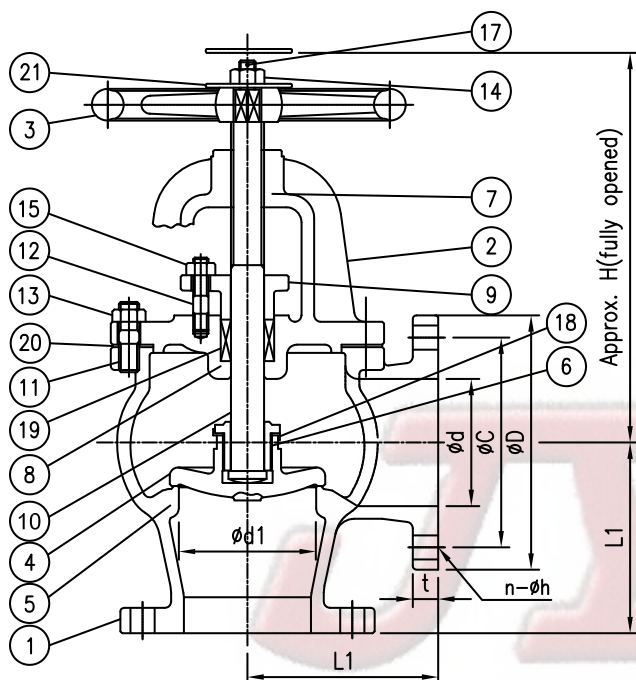
Remark : 1. The flanges shall conform to nominal pressure 5K, 10K and 16K of JIS B2210
2. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

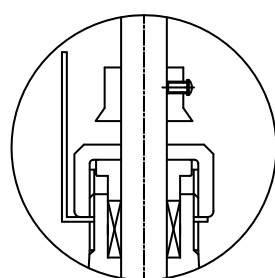
Cast Bronze Marine valves

■ JIS 5K Angle Valves	Ref. to JIS F7306
■ JIS 10K Angle Valves	Ref. to JIS F7308
■ JIS 16K Angle Valves	Ref. to JIS F7310
■ JIS 5K Angle Screw-Down Check Valves	Ref. to JIS F7354
■ JIS 10K Angle Screw-Down Check Valves	Ref. to JIS F7376
■ JIS 16K Angle Screw-Down Check Valves	Ref. to JIS F7378

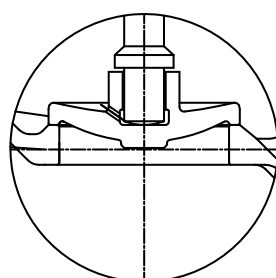
Bolted Bonnet Renewable seat
Rising Stem Flanged Ends



NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	HANDWHEEL	CAST IRON
4	DISC	BRONZE
5	VALVE SEAT	INTEGRAL / BRONZE
6	DISC NUT	BRASS
7	SCREW BONNET BUSH	INTEGRAL
8	BONNET BUSH	INTEGRAL
9	PACKING GLAND	BRASS
10	STEM	BRASS
11	STUD BOLT	STAINLESS STEEL / BRASS
12	STUD BOLT	STAINLESS STEEL / BRASS
13	HEXAGON NUT	STAINLESS STEEL
14	HEXAGON NUT	STAINLESS STEEL
15	HEXAGON NUT	STAINLESS STEEL
17	SPLIT PIN	BRASS
18	DISC LOCK WASHER	BRASS
19	PACKING	NON ASBESTOS
20	GASKET	NON ASBESTOS
21	WASHER	STEEL



Indicator



Screw Down Non Return (SDNR)

Test Pressure (MPa)

Rating	JIS 5K		JIS 10K		JIS 16K
Size	Up to 300A	350A to 400A	Up to 200A	Over 250A	50A~200A
	Globe / Globe Screw Down check				
Hydrostatic press test (Shell)	1.05	0.9	2.1	1.5	3.3
Hydrostatic press test (Seat)	0.77	0.66	1.54	1.1	2.42

Dimension Table

(Unit : mm)

Rating	Size	50A	65A	80A	100A	125A	150A	200A	250A	300A	350A	400A
JIS 5K (JIS F7306) (JIS F7354)	ød	50	65	80	100	125	150	200	250	300	335	380
	øD	130	155	180	200	235	265	320	385	430	480	540
	øC	105	130	145	165	200	230	280	345	390	435	495
	N-øh	4-15	4-15	4-19	8-19	8-19	8-19	8-23	12-23	12-23	12-25	16-25
	t	14	14	14	16	16	18	20	22	22	24	24
	L1	100	115	130	150	170	190	220	275	310	360	395
	H	240	255	265	310	330	380	450	540	610	690	770
	Weight	15.48	21.84	28.08	40.44	55.44	76.08	126	199.2	291.6	392.4	550.8
JIS 10K (JIS F7308) (JIS F7376)	ød	50	65	80	100	125	150	200	250	300	335	380
	øD	155	175	185	210	250	280	330	400	445	490	560
	øC	120	140	150	175	210	240	290	355	400	445	510
	N-øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	16-25	16-25	16-27
	t	16	18	18	18	20	22	22	24	24	26	28
	L1	120	130	140	160	180	205	230	290	320	360	420
	H	255	270	275	315	360	405	475	570	645	710	790
	Weight	21.84	30.48	32.88	48.72	83.88	97.2	150	253.2	351.6	463.2	652.8
JIS 16K (JIS F7310) (JIS F7378)	ød	50	65	80	100	125	150	200	250	300	335	380
	øD	155	175	200	225	270	305	350				
	øC	120	140	160	185	225	260	305				
	N-øh	8-19	8-19	8-23	8-23	8-25	12-25	12-25				
	t	16	18	20	22	24	26	28				
	L1	120	130	150	170	200	225	250				
	H	255	270	295	330	390	435	540				
	Weight	21.6	30	42.84	59.04	91.32	123.6	186				

Remark : 1. The flanges shall conform to nominal pressure 5K, 10K and 16K of JIS B2210
2. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

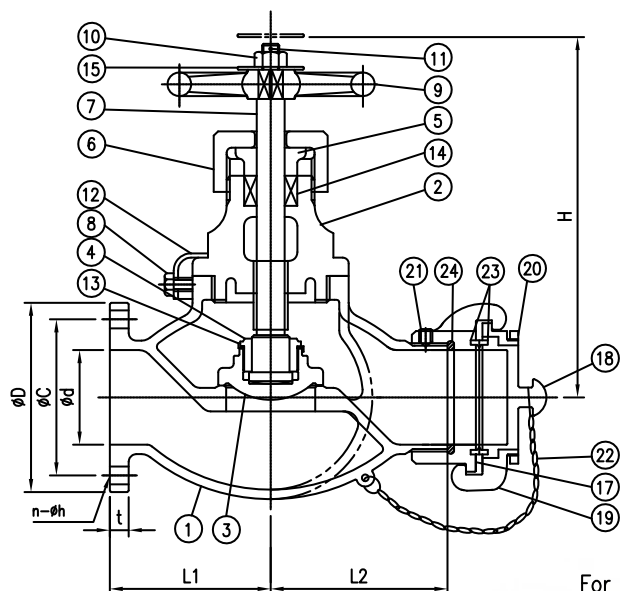
Cast Bronze JIS Marine valves

■ JIS 5K/10K Hose Globe Valves

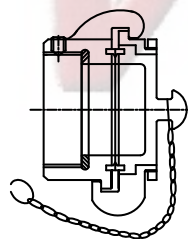
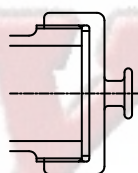
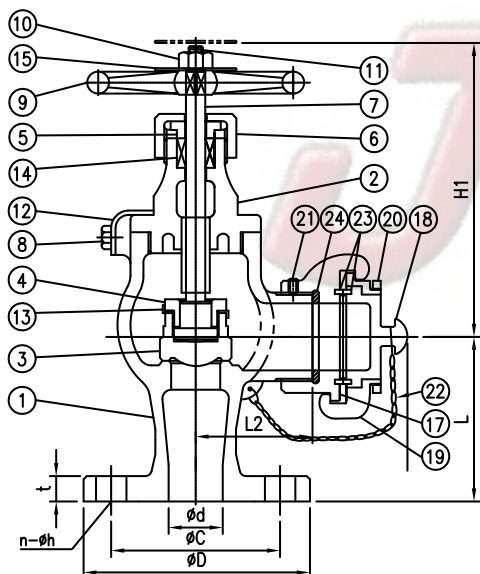
JIS F7334

■ JIS 5K/10K Hose Angle Valves

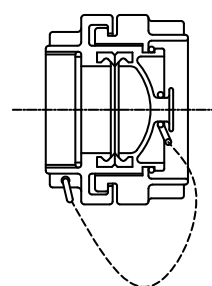
JIS F7334



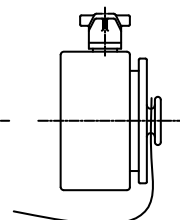
For nominal dia. up to 25A



(NAKAJIMA COUPLING)
40A to 65A



(STORZ COUPLING)
40A & 65A



(AB COUPLING)
ONLY 65A

Screwed Bonnet Integral seat

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / FORGED BRASS
3	DISC	BRONZE OR BRASS
4	DISC NUT	BRONZE / BRASS
5	PACKING GLAND	BRONZE / BRASS
6	GLAND NUT	BRONZE / BRASS
7	STEM	BRASS
8	MACHINE SCREW	BRASS
9	HANDWHEEL	CAST IRON
10	HEXAGON NUT	STEEL
11	SPLIT PIN	BRASS
12	BONNET LOCK PLATE	BRASS
13	DISC LOCK WASHER	BRASS
14	PACKING	NON ASBESTOS
15	WASHER	STEEL
17	BASE CONNECTION	BRONZE
18	CAP	BRONZE
19	COUPLING RING	BRONZE
20	SET RING	BRONZE
21	SET SCREW	STEEL
22	CHAIN	STAINLESS WIRE
23	GASKET	RUBBER
24	GASKET	NON ASBESTOS

Fluid Condition & Max. Working pressure (MPa)

Fluid Condition \ Rating	JIS 5K	JIS 10K
Steam up to 205°C	0.5(15A)	1.0(15A)
Air, Gas, Oil and Pulsation Water	0.5	1.0
Non-Shock Water up to 120°C	0.7	1.4

Test Pressure (MPa)

Rating	JIS 5K	JIS 10K
Hydrostatic press test (Shell)	1.05	2.1
Hydrostatic press test (Seat)	0.77	1.54

Dimension Table

(Unit : mm)

Rating	Size	ϕd	ϕD	ϕC	N- ϕh	t	L1	L	H	H1	Weight (kg)	Weight (kg)
JIS 5K (JIS F7334)	15A	15	80	60	4-12	9	73	55	130	120	2.51	2.41
	20A	20	85	65	4-12	10	78	65	160	145	3.55	3.44
	25A	25	95	75	4-12	10	78	65	160	145	3.55	3.44
	32A	32	115	90	4-15	12	128.5	85	190	165	6.26	5.91
	40A	40	120	95	4-15	12	128.5	85	190	165	6.26	5.91
JIS 10K (JIS F7334)	15A	15	95	70	4-15	12	73	70	130	120	2.76	2.72
	20A	20	100	75	4-15	14	83	85	160	145	4.15	4.04
	25A	25	125	90	4-19	14	83	85	160	145	4.15	4.04
	32A	32	135	100	4-19	16	140	100	190	165	8.43	8.19
	40A	40	140	105	4-19	16	140	100	190	165	8.43	8.19

Remark : 1. The flanges shall conform to JIS B 2240.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze JIS Marine valves

■ JIS 5K/10K Hose Globe Valves

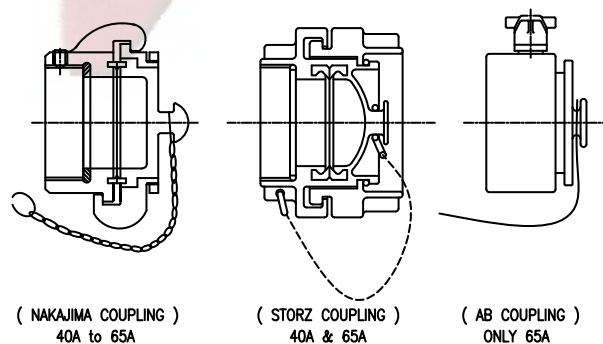
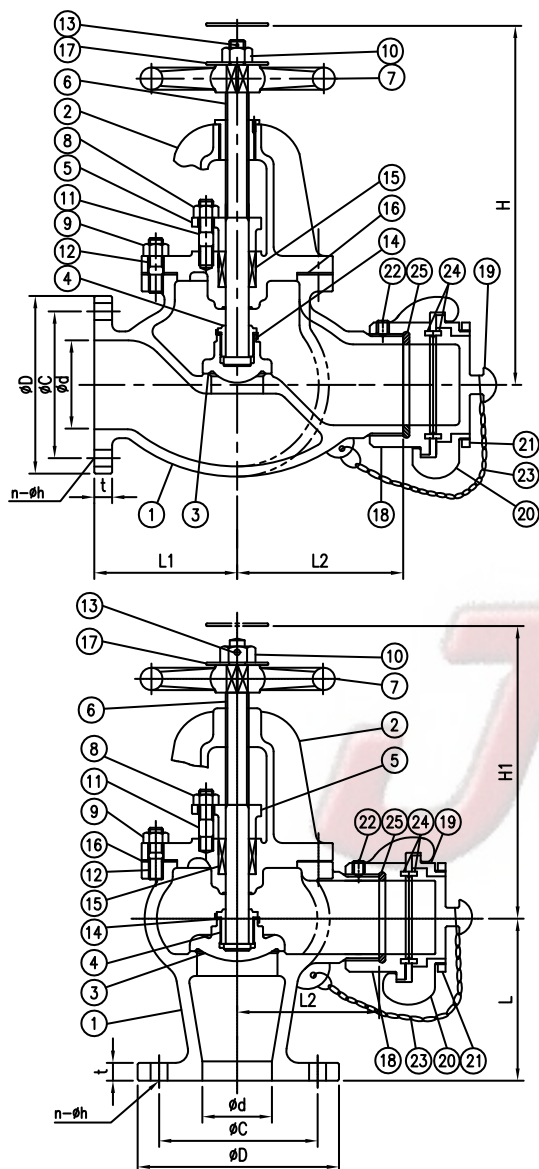
JIS F7334

■ JIS 5K/10K Hose Angle Valves

JIS F7334

Bolted Bonnet Integral seat

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	DISC	BRONZE OR BRASS
4	DISC NUT	BRONZE / BRASS
5	PACKING GLAND	BRONZE / BRASS
6	STEM	BRASS
7	HANDWHEEL	CAST IRON
8	HEXAGON NUT	STAINLESS STEEL
9	HEXAGON NUT	STAINLESS STEEL
10	HEXAGON NUT	STEEL
11	STUD BOLT	BRASS
12	STUD BOLT	BRASS
13	SPLIT PIN	BRASS
14	DISC LOCK WASHER	BRASS
15	PACKING	NON ASBESTOS
16	GASKET	NON ASBESTOS
17	WASHER	STEEL
18	BASE CONNECTION	BRONZE
19	CAP	BRONZE
20	COUPLING RING	BRONZE
21	SET RING	BRONZE
22	SET SCREW	BRASS
23	CHAIN	STAINLESS WIRE
24	GASKET	RUBBER
25	GASKET	NON ASBESTOS



Fluid Condition & Max. Working pressure (MPa)

Fluid Condition	Rating	JIS 5K	JIS 10K
Steam up to 205°C		—	—
Air, Gas, Oil and Pulsation Water		0.5	1.0
Non-Shock Water up to 120°C		0.7	1.4

Test Pressure (MPa)

Rating	JIS 5K	JIS 10K
Hydrostatic press test (Shell)	1.05	2.1
Hydrostatic press test (Seat)	0.77	1.54

Dimension Table

(Unit : mm)

Rating	Size	ød	øD	øC	N-øh	t	L1	L	H	H1	Weight (kg)	Weight (kg)
JIS 5K (JIS F7334)	50A	50	130	105	4-15	14	105	100	255	225	12.9	11.0
	65A	65	155	130	4-15	18	135	130	295	255	27.8	23.0
JIS 10K (JIS F7334)	50A	50	155	120	4-19	16	110	120	270	240	15.4	14.3
	65A	65	175	140	4-19	18	135	130	295	255	27.8	23.0

Remark : 1. The flanges shall conform to nominal pressure 5K and 10K of JIS B 2210.

It's prohibited to copy or transcribe arbitrarily.



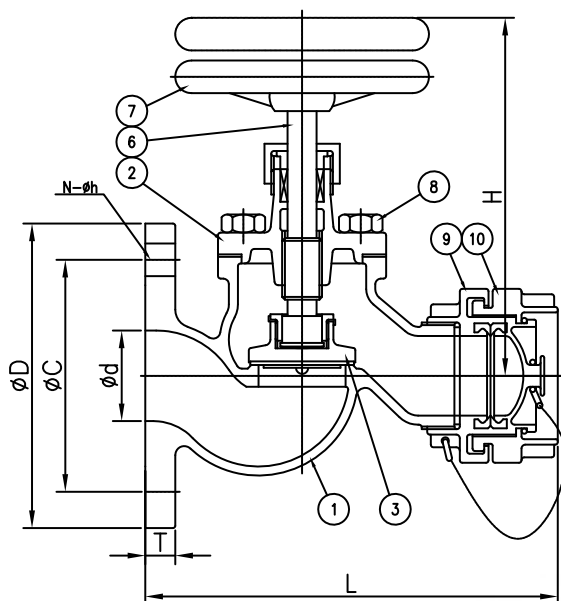
Cast Bronze Marine valves

■ JIS 5K/10K Hose Globe Valves

JYV HOSE-01

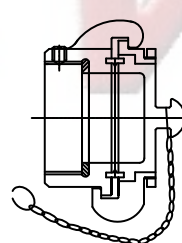
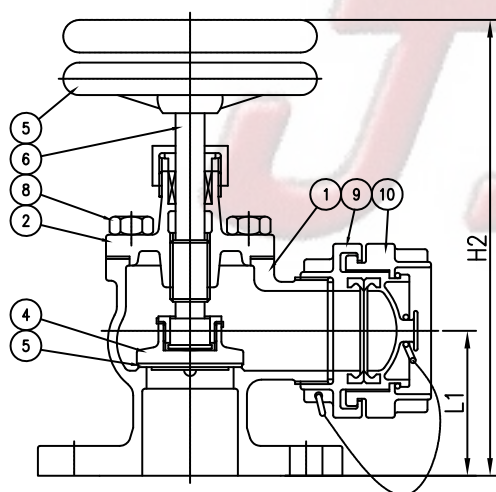
■ JIS 5K/10K Hose Angle Valves

JYV HOSE-02

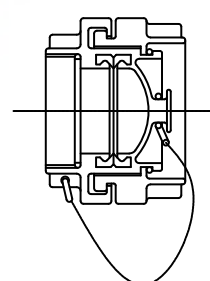


Bolted Bonnet Integral seat

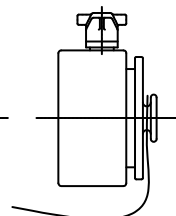
NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	DISC	BRONZE OR BRASS
4	DISC NUT	BRASS
5	SEAT	INTERGRAL OR TEFLON
6	STEM	BRASS
7	HANDWHEEL	CAST IRON
8	HEXAGON NUT	STAINLESS STEEL
9	COUPLING	BRONZE OR BRASS
10	COUPLING	BRONZE OR BRASS



(NAKAJIMA COUPLING)
40A to 65A



(STORZ COUPLING)
40A to 65A



(AB COUPLING)
ONLY 65A

Fluid Condition & Max. Working pressure (MPa)

Fluid Condition \ Rating	JIS 5K	JIS 10K
Steam up to 205°C	—	—
Air, Gas, Oil and Pulsation Water	0.5	1.0
Non-Shock Water up to 120°C	0.7	1.4

Test Pressure (MPa)

Rating	JIS 5K	JIS 10K
Hydrostatic press test (Shell)	1.05	2.1
Hydrostatic press test (Seat)	0.77	1.54

Dimension Table

(Unit : mm)

Rating	Size	ød	øD	øC	N-øh	t	L1	L	H	H2	Weight (kg)	Weight (kg)
JIS 5K	50A	50	130	105	4-15	14	75	222	175	235	9	8.5
	65A	65	155	130	4-15	14	90	260	205	265	16	15
JIS 10K	50A	50	155	120	4-19	16	75	222	175	235	9	8.5
	65A	65	175	140	4-19	18	90	260	205	265	16	15

Remark : 1. The flanges shall conform to nominal pressure 5K and 10K of JIS B 2210.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze JIS Marine valves

■ JIS 5K Globe Valves (Union Bonnet Type)

JIS F7346

■ JIS 16K Globe Valves (Union Bonnet Type)

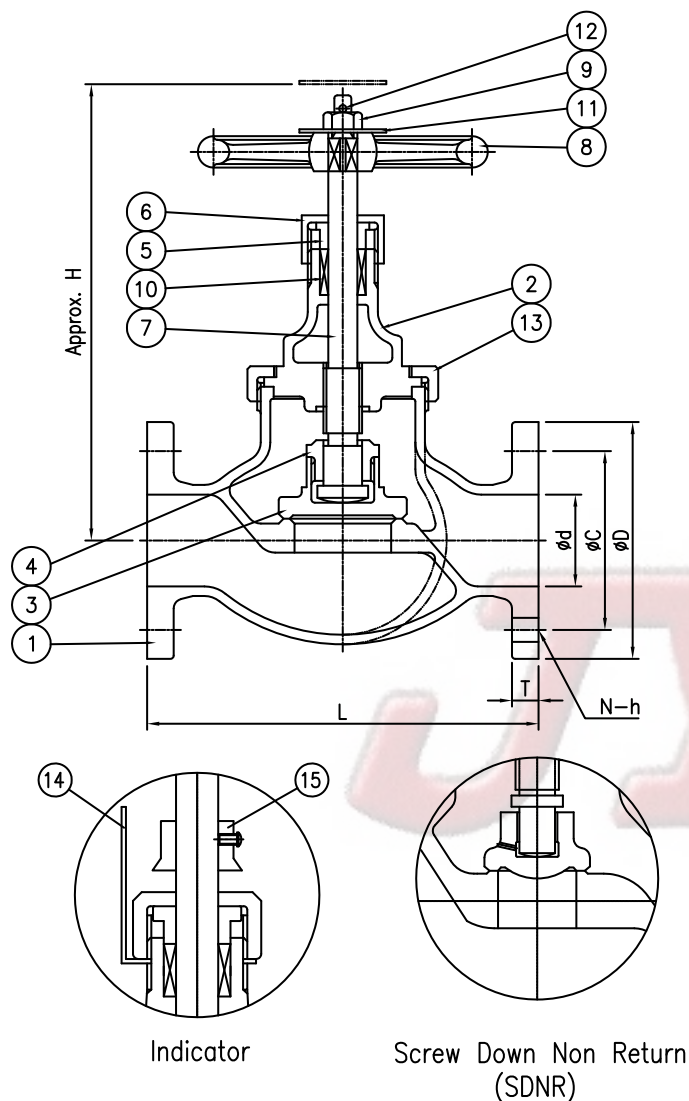
JIS F7348

■ JIS 5K Globe Screw-Down Check Valves (Union Bonnet Type)

JIS F7411

■ JIS 16K Globe Screw-Down Check Valves (Union Bonnet Type)

JIS F7413



Union Bonnet Integral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	DISC	BRONZE OR BRASS
4	DISC NUT	BRASS
5	PACKING GLAND	BRASS
6	GLAND NUT	BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HANDLE NUT	STEEL
10	PACKING	NON ASBESTOS
11	WASHER	STEEL
12	SPLIT PIN	BRASS
13	BONNET NUT	BRONZE / JIS H5120 CAC406
14	INDICATOR PLATE	BRASS
15	INDICATOR PIECE	BRASS

Fluid Condition & Max. Working pressure (MPa)

Fluid Condition \ Rating	JIS 5K	JIS 16K
Steam up to 205°C	0.5	1.6
Air, Gas, Oil and Pulsation Water		
Non-Shock Water up to 120°C	0.7	2.2

Test Pressure (MPa)

Rating	JIS 5K	JIS 16K
Hydrostatic press test (Shell)	1.05	3.3
Hydrostatic press test (Seat)	0.77	2.42

Dimension Table (Unit : mm)

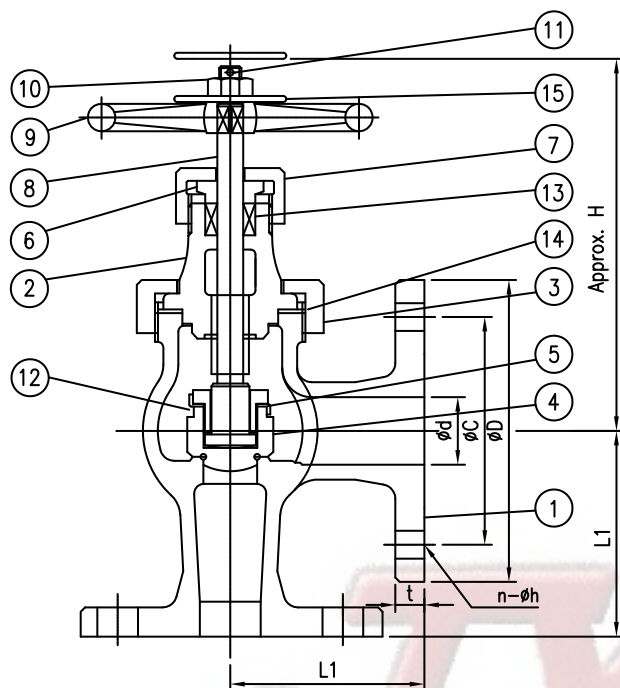
Rating	Size	Ød	ØD	ØC	N-Øh	t	L	H	Weight (kg)
JIS 5K (JIS F7346)	15A	15	80	60	4-12	9	100	130	2.21
	20A	20	85	65	4-12	10	110	140	3.04
	25A	25	95	75	4-12	10	120	160	3.97
	32A	32	115	90	4-15	12	140	170	5.23
	40A	40	120	95	4-15	12	160	190	6.94
JIS 16K (JIS F7348)	15A	15	95	70	4-15	12	110	130	2.96
	20A	20	100	75	4-15	14	120	140	3.92
	25A	25	125	90	4-19	14	130	160	5.65
	32A	32	135	100	4-19	16	160	170	7.24
	40A	40	140	105	4-19	16	180	190	9.12

Remark : 1. The flanges shall conform to nominal pressure 5K and 16K of JIS B 2240.
2. JIS F7301 5K for nominal dia 50 and 65 shall be made Bolted Bonnet type.

It's prohibited to copy or transcribe arbitrarily.

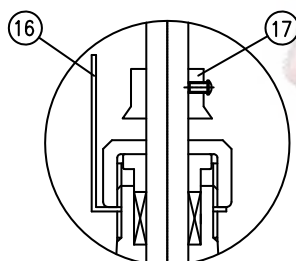
Cast Bronze JIS Marine valves

■ JIS 5K Angle Valves (Union Bonnet Type)	JIS F7347
■ JIS 16K Angle Valves (Union Bonnet Type)	JIS F7349
■ JIS 5K Angle Screw-Down Check Valves (Union Bonnet Type)	JIS F7412
■ JIS 16K Angle Screw-Down Check Valves (Union Bonnet Type)	JIS F7414

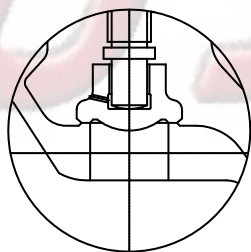


Union Bonnet Integral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	BONNET NUT	BRONZE / JIS H5120 CAC406
4	DISC	BRONZE / BRASS
5	DISC NUT	BRASS
6	PACKING GLAND	BRASS
7	GLAND NUT	BRASS
8	STEM	BRASS
9	HANDWHEEL	CAST IRON
10	HEXAGON NUT	STEEL
11	SPLIT PIN	BRASS
12	DISC LOCK WASHER	BRASS
13	PACKING	NON ASBESTOS
14	GASKET	NON ASBESTOS
15	WASHER	STEEL
16	INDICATOR PLATE	BRASS
17	INDICATOR PIECE	BRASS



Indicator



Screw Down Non Return
(SDNR)

Fluid Condition & Max. Working pressure (MPa)

Fluid Condition	Rating	JIS 5K	JIS 16K
Steam up to 205°C	0.5	0.5	1.6
Air, Gas, Oil and Pulsation Water			
Non-Shock Water up to 120°C	0.7	0.7	2.2

Test Pressure (MPa)

Rating	JIS 5K	JIS 16K
Hydrostatic press test (Shell)	1.05	3.3
Hydrostatic press test (Seat)	0.77	2.42

Dimension Table

(Unit : mm)

Rating	Size	ød	øD	øC	N-øh	t	L1	H	Weight (kg)
JIS 5K (JIS F7347)	15A	15	80	60	4-12	9	55	120	2.15
	20A	20	85	65	4-12	10	60	130	2.94
	25A	25	95	75	4-12	10	65	145	3.82
	32A	32	115	90	4-15	12	80	150	4.99
	40A	40	120	95	4-15	12	85	165	6.4
JIS 16K (JIS F7349)	15A	15	95	70	4-15	12	70	120	2.94
	20A	20	100	75	4-15	14	75	130	3.88
	25A	25	125	90	4-19	14	85	145	5.53
	32A	32	135	100	4-19	16	95	150	6.98
	40A	40	140	105	4-19	16	100	165	8.57

Remark : 1. The flanges shall conform to nominal pressure 5K and 16K of JIS B 2240.
2. JIS F7301 5K for nominal dia 50 and 65 shall be made Bolted Bonnet type.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze JIS Marine valves

■ JIS 5K Gate Valves

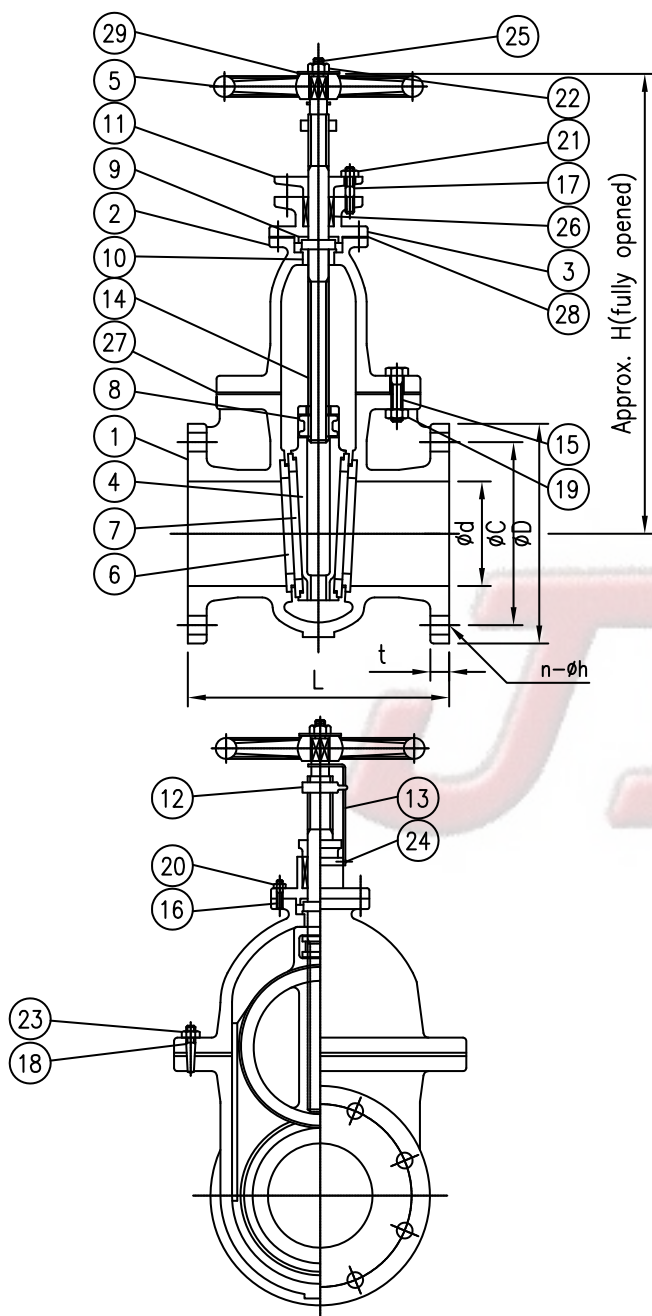
Ref. to JIS F7363

■ JIS 10K Gate Valves

Ref. to JIS F7364

■ JIS 16K Gate Valves

Ref. to JIS F7369



Bolted Bonnet Renewable seat
Non Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	STUFFING BOX	BRONZE / JIS H5210 CAC406
4	DISC	BRONZE / JIS H5120 CAC406
5	HANDWHEEL	CAST IRON
8	SCREWED PIECE	STAINLESS STEEL
9	GUIDE BUSH	BRASS
10	GUIDE BUSH	BRASS
11	PACKING GLAND	BRONZE
12	INDICATOR	BRASS
13	INDICATOR PLATE	BRASS
14	STEM	BRASS
15	STUD BOLT	STAINLESS STEEL
16	STUD BOLT	STAINLESS STEEL
17	STUD BOLT	STAINLESS STEEL
18	TAPER PIN WITH THREAD	STAINLESS STEEL
19	HEXAGON NUT	STAINLESS STEEL
20	HEXAGON NUT	STAINLESS STEEL
21	HEXAGON NUT	STAINLESS STEEL
22	HEXAGON NUT	STAINLESS STEEL
23	HEXAGON NUT	STAINLESS STEEL
24	MACHINE SCREW	STAINLESS STEEL
25	SPLIT PIN	BRASS
26	PACKING	NON ASBESTOS
27	GASKET	NON ASBESTOS
28	GASKET	NON ASBESTOS
29	WASHER	STEEL

Dimension Table (Unit : mm)

Rating	Size	50A	65A	80A	100A	125A	150A	200A	250A	300A	350A	400A
JIS 5K (JIS F7363)	Ød	50	65	80	100	125	150	200	250	300	335	380
	ØD	130	155	180	200	235	265	320	385	430	480	540
	ØC	105	130	145	165	200	230	280	345	390	435	495
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-19	8-23	12-23	12-23	12-25	16-25
	t	14	14	14	16	16	18	20	22	22	24	24
	L	180	190	200	230	250	270	290	330	370	410	470
	H	285	330	380	430	495	560	680	800	920	1000	1100
	Weight	16.2	23.52	29.05	42.36	57.72	78.36	123.6	196.8	283.2	368.4	486
JIS 10K (JIS F7364)	Ød	50	65	80	100	125	150	200	250	300	335	380
	ØD	155	175	185	210	250	280	330	400	445	490	560
	ØC	120	140	150	175	210	240	290	355	400	445	510
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	16-25	16-25	16-27
	t	16	18	18	18	20	22	22	24	24	26	28
	L	200	220	230	250	270	290	320	380	440	500	590
	H	300	350	400	450	520	580	700	840	960	1050	1150
	Weight	23.28	33.12	39.6	54.96	79.08	103.2	163.2	276	397.2	519.6	716.4
JIS 16K (JIS F7369)	Ød	50	65	80	100	125	150					
	ØD	155	175	200	225	270	305					
	ØC	120	140	160	185	225	260					
	N-Øh	8-19	8-19	8-23	8-23	8-25	12-25					
	t	16	18	18	18	20	22					
	L	200	220	230	250	270	290					
	H	300	350	400	450	520	580					
	Weight	23.28	39.8	47.5	66	107.4	147.6					

Test Pressure (MPa)

Rating	JIS 5K		JIS 10K		JIS 16K
Size	Up to 400A	450A to 600A	Up to 400A	450A to 600A	300~400A
Hydrostatic press test (Shell)	1.05	0.75	2.1	1.8	2.4
Hydrostatic press test (Seat)	0.77	0.55	1.54	1.32	1.76

Remark : 1. The flanges shall conform to nominal pressure 5K, 10K and 16K of JIS B2210
2. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

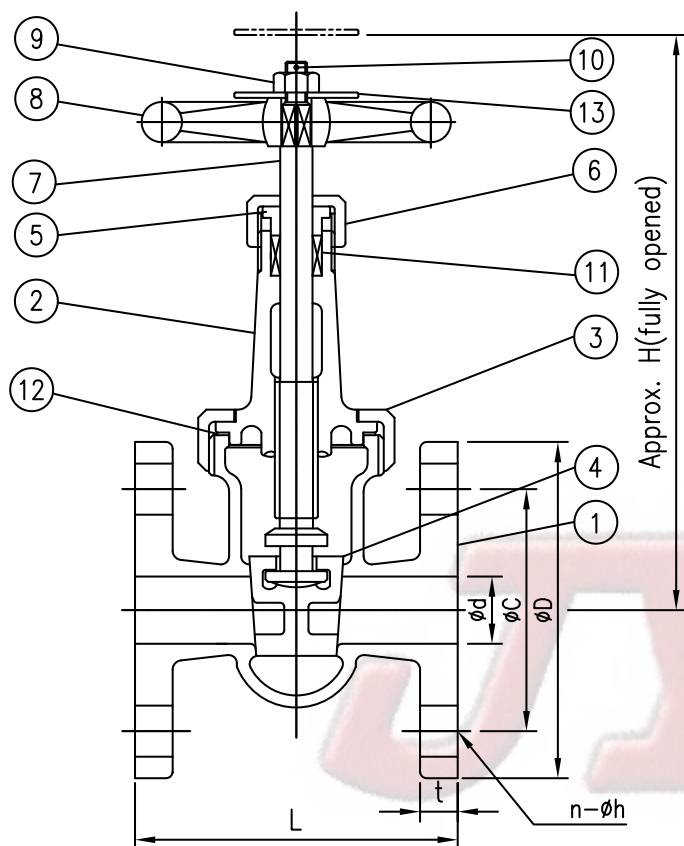
Cast Bronze JIS Marine valves

■ JIS 5K Gate Valves

JIS F7367

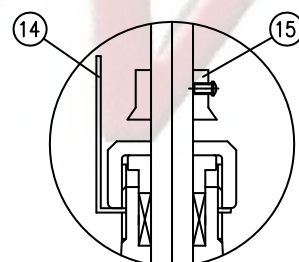
■ JIS 10K Gate Valves

JIS F7368



Union Bonnet Integral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	BONNET NUT	BRONZE / JIS H5120 CAC406
4	DISC	BRONZE / JIS H5120 CAC406
5	PACKING GLAND	BRASS
6	PACKING GLAND NUT	BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HEXAGON NUT	BRASS
10	SPLIT PIN	BRASS
11	PACKING	NON ASBESTOS
12	GASKET	NON ASBESTOS
13	WASHER	STEEL
14	INDICATOR PLATE	BRASS
15	INDICATOR PIECE	BRASS



Indicator

Fluid Condition & Max. Working pressure (MPa)

Fluid Condition \ Rating	JIS 5K	JIS 10K
Oil and pulsation water	0.5	1.0
Saturated steam	0.2	0.2
Non-Shock Water up to 120°C	0.7	1.4

Test Pressure (MPa)

Rating	JIS 5K	JIS 10K
Hydrostatic press test (Shell)	1.05	2.1
Hydrostatic press test (Seat)	0.7	1.54

Dimension Table

(Unit : mm)

Rating	Size	Ød	ØD	ØC	N-Øh	t	L	H	Weight (kg)
JIS 5K (JIS F7367)	15A	15	80	60	4-12	9	90	175	2.29
	20A	20	85	65	4-12	10	100	200	2.98
	25A	25	95	75	4-12	10	110	220	4.1
	32A	32	115	90	4-15	12	130	250	5.79
	40A	40	120	95	4-15	12	140	290	7.78
JIS 10K (JIS F7368)	15A	15	95	70	4-15	12	100	175	2.96
	20A	20	100	75	4-15	14	110	200	3.89
	25A	25	125	90	4-19	14	120	220	5.82
	32A	32	135	100	4-19	16	140	250	7.52
	40A	40	140	105	4-19	16	150	290	9.71

Remark : 1. The flanges shall conform to nominal pressure 5K and 16K of JIS B 2240.
2. JIS F7301 5K for nominal dia 50 and 65 shall be made Bolted Bonnet type.

It's prohibited to copy or transcribe arbitrarily.

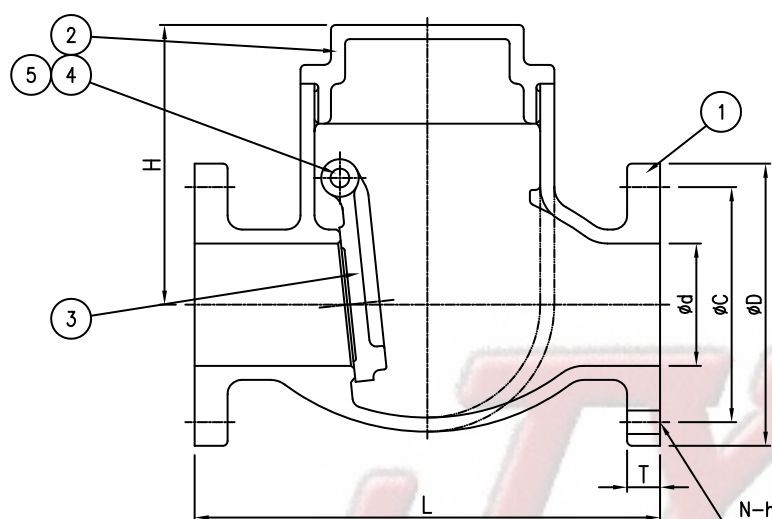
Cast Bronze JIS Marine valves

■ JIS 5K Swing Check Valves (Screw Bonnet Type)

JIS F7371

■ JIS 10K Swing Check Globe Valves (Screw Bonnet Type)

Ref.to JIS F7371



Screw Bonnet Integral seat
Swing type & Disc Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	DISC	BRONZE
4	HINGE PIN	BRASS
5	PLUG	STAINLESS STEEL

Fluid Condition & Max. Working pressure (MPa)

Rating	JIS 5K	JIS 10K
Fluid Condition		
Air, Gas, Oil and pulsation water	0.5	0.98
Non-Shock Water up to 120°C	0.7	1.37

Test Pressure (MPa)

Rating	JIS 5K	JIS 10K
Hydrostatic press test (Shell)	1.05	2.06
Hydrostatic press test (Seat)	0.77	1.51

Dimension Table (Unit : mm)

Rating	Size	ød	øD	øC	N-ød	t	L	H	Weight (kg)
JIS 5K (JIS F371)	15A	25	80	60	4-12	9	110	69	2.24
	20A	25	85	65	4-12	10	110	69	2.24
	25A	25	95	75	4-12	10	110	69	2.24
	32A	32	115	90	4-15	12	130	79	3.07
	40A	40	120	95	4-15	12	140	93	4.34
JIS 10K (JIS F7371)	15A	25	95	70	4-15	12	110	69	3.1
	20A	25	100	75	4-15	14	110	69	5.0
	25A	25	125	90	4-19	14	110	69	5.0
	32A	32	135	100	4-19	16	140	79	7.0
	40A	40	140	105	4-19	16	140	93	9.5

Remark : 1. The flanges shall conform to nominal pressure 5K of JIS B 2240.

It's prohibited to copy or transcribe arbitrarily.



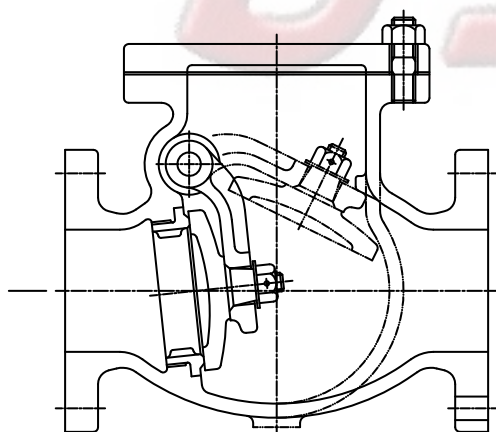
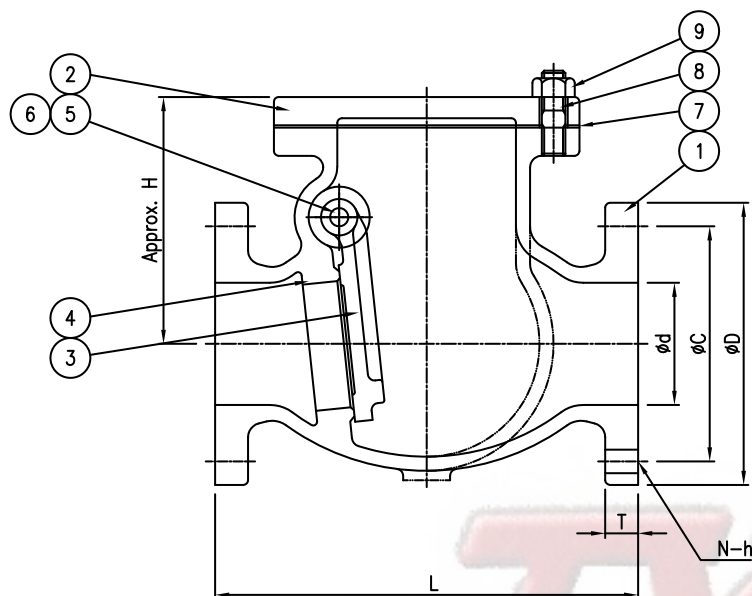
Cast Bronze JIS Marine valves

■ JIS 5K Swing Check Valves

Ref. to JIS F7372

■ JIS 10K Swing Check Valves

Ref. to JIS F7373



< ABOVE 100A >

Bolted Bonnet Renewable seat
Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	DISC	BRONZE / JIS H5120 CAC406
4	SEAT RING	INTEGRAL / BRONZE
5	HINGE PIN	BRONZE
6	PLUG	BRONZE / STAINLESS STEEL
7	GASKET	NON ASBESTOS
8	BONNET BOLT	BRASS / STAINLESS STEEL
9	BONNET NUT	BRASS / STAINLESS STEEL

Test Pressure (MPa)

Rating	JIS 5K	JIS 10K
Hydrostatic press test (Shell)	1.05	2.1
Hydrostatic press test (Seat)	0.77	1.54

Dimension Table (Unit : mm)

Rating	Size	50A	65A	80A	100A	125A	150A	200A	250A
JIS 5K (JIS F7372)	Ød	50	65	80	100	125	150	200	250
	ØD	130	155	180	200	235	265	320	385
	ØC	105	130	145	165	200	230	280	345
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-19	8-23	12-23
	t	14	14	14	16	16	18	20	22
	L	190	220	250	280	330	380	460	550
	H	97	119	129	146	171	198	235	290
	Weight	10.9	16.7	23.0	32.5	47.5	64.4	113.3	180
JIS 10K (JIS F7373)	Ød	50	65	80	100	125	150	200	
	ØD	155	175	185	210	250	280	330	
	ØC	120	140	150	175	210	240	290	
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	
	t	16	18	18	18	20	22	24	
	L	210	240	270	300	350	400	480	
	H	109	126	136	153	180	205	242	
	Weight	16.3	23.5	27.1	37.1	59.0	77.9	123.6	

Remark : 1. The flanges shall conform to nominal pressure 5K and 10K of JIS B 2210.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze JIS Marine valves

■ JIS 5K Lift Check Valves (Union Bonnet Type)

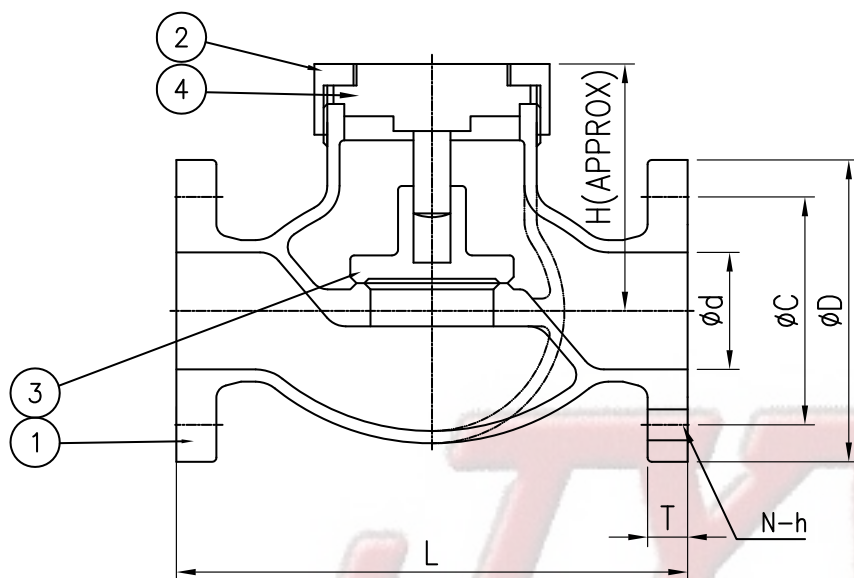
JIS F7415

■ JIS 16K Lift Check Globe Valves (Union Bonnet Type)

JIS F7417

Screw Bonnet Intergral seat
Lift type Disc Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET NUT	BRONZE / JIS H5120 CAC406
3	DISC	BRONZE OR BRASS
4	BONNET	BRASS



Fluid Condition & Max. Working pressure (MPa)

Fluid Condition \ Rating	JIS 5K	JIS 16K
Air, Gas, Oil and pulsation water	0.5	1.57
Non-Shock Water up to 120°C	0.7	2.16

Test Pressure (MPa)

Rating	JIS 5K	JIS 16K
Hydrostatic press test (Shell)	1.05	3.24
Hydrostatic press test (Seat)	0.77	2.38

Dimension Table

(Unit : mm)

Rating	Size	Ød	ØD	ØC	N-Øh	t	L	H	Weight (kg)
JIS 5K (JIS F7415)	15A	15	80	60	4-12	9	100	66	1.62
	20A	20	85	65	4-12	10	110	71	2.17
	25A	25	95	75	4-12	10	120	81	2.8
	32A	32	115	90	4-15	12	140	83	3.92
	40A	40	120	95	4-15	12	160	91	5.49
JIS 16K (JIS F7417)	15A	15	95	70	4-15	12	110	77	2.37
	20A	20	100	75	4-15	14	120	77	3.05
	25A	25	125	90	4-19	14	130	77	4.42
	32A	32	135	100	4-19	16	160	81	5.87
	40A	40	140	105	4-19	16	180	91	7.67

Remark : 1. The flanges shall conform to nominal pressure 5K of JIS B 2240.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze Marine valves

■ JIS 5K Lift Check Globe Valves

JIS F7358

■ JIS 5K Lift Check Angle Valves

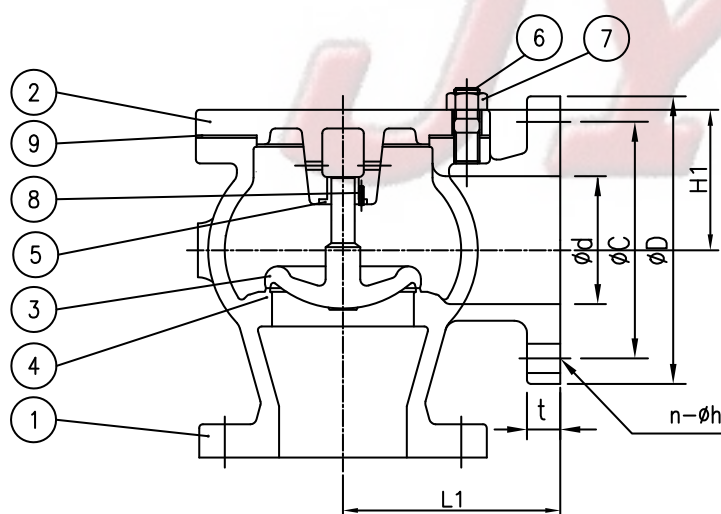
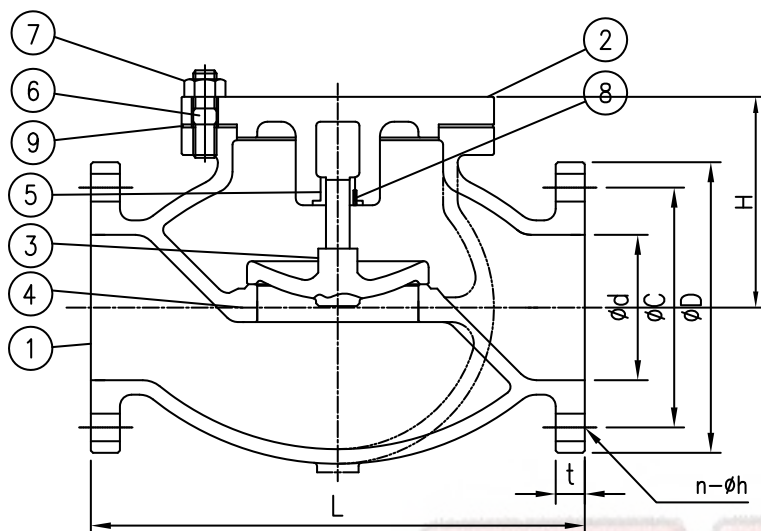
JIS F7359

■ JIS 10K Lift Check Globe Valves

Ref. to JIS F7358

■ JIS 10K Lift Check Angle Valves

Ref. to JIS F7359



Bolted Bonnet Renewable seat
Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	DISC	BRONZE / JIS H5120 CAC406
4	VALVE SEAT	INTEGRAL
5	BUSH	BRONZE
6	STUD BOLT	STAINLESS STEEL / BRASS
7	HEXAGON NUT	STAINLESS STEEL
8	SET SCREW	STAINLESS STEEL
9	GASKET	NON ASBESTOS

Test Pressure (MPa)

Rating	JIS 5K
Hydrostatic press test (Shell)	1.05
Hydrostatic press test (Seat)	0.77
Rating	JIS 10K
Hydrostatic press test (Shell)	2.1
Hydrostatic press test (Seat)	1.54

Dimension Table (Unit : mm)

Rating	Size	50A	65A	80A	100A	125A	150A
JIS 5K	Ød	50	65	80	100	125	150
	ØD	130	155	180	200	235	265
	ØC	105	130	145	165	200	230
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-19
	t	14	14	14	16	18	18
	L	210	250	280	340	410	480
	L1	100	115	130	150	170	190
	H	107	124	129	146	166	188
	H1	77	81	84	96	108	125
JIS 10K	Ød	50	65	80	100	125	150
	ØD	155	175	185	210	250	280
	ØC	120	140	150	175	210	240
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23
	t	16	18	18	18	20	22
	L	220	270	300	350	420	490
	L1	120	130	140	160	180	205
	H	107	124	129	146	166	188
	H1	77	81	84	96	108	125

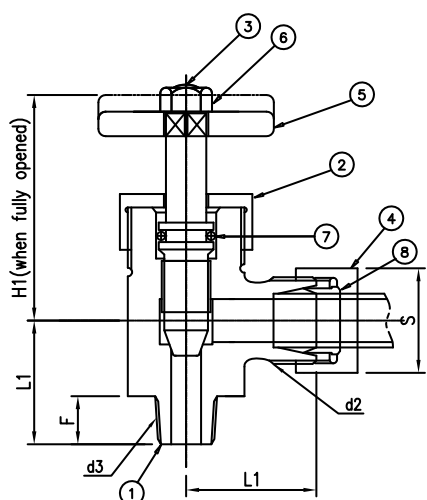
Remark : 1. The flanges shall conform to nominal pressure 5K of JIS B 2210.

It's prohibited to copy or transcribe arbitrarily.

Brass JIS Marine valves

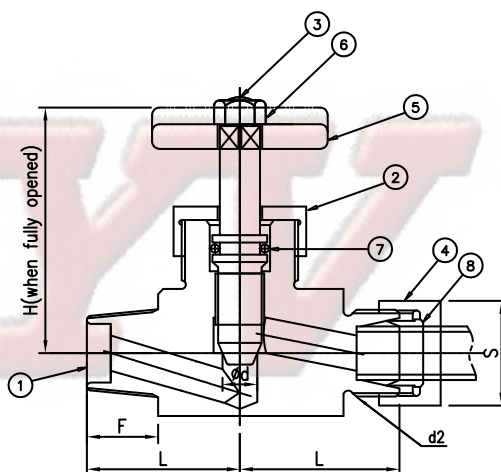
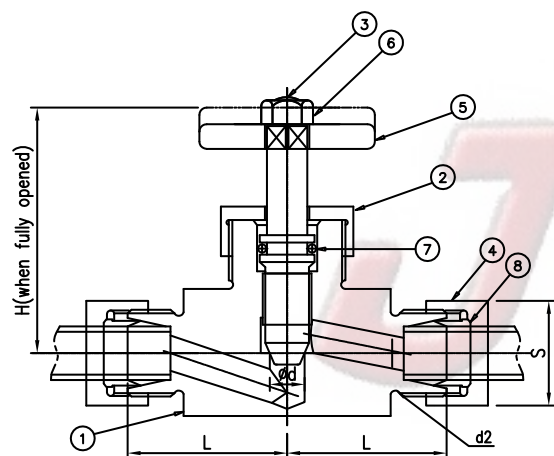
JIS 30K Stop Valves With Bite Joint

JIS F7379



Integral seat

NO.	PARTS	MATERIAL
1	BODY	BRASS
2	CAP NUT	BRASS
3	STEM	BRASS
4	UNION NUT	BRASS
5	HANDWHEEL	BRASS
6	HEXAGON NUT	BRASS
7	O-RING	NITRILE RUBBER
8	SLEEVE	BRASS



Fluid Condition & Max. Working pressure (MPa)

Fluid Condition	Rating	JIS 30K
Non-Shock Water up to 80°C		3.0

Dimension Table

(Unit : mm)

Rating	Nominal dia.	L	L1	F	Threads d3	H	H1	S	Pipe out dia.
JIS 30K (JIS F7379)	4	24	22	11	PT 1/8	42	39	17	6
	6	28	25	12	PT 1/4	45	41	22	8/10
	10	35	31	13	PT 3/8	60	54	30	15

Test Pressure (MPa)

Nominal dia.	JIS 30K
Hydrostatic press test (Shell)	4.5
Hydrostatic press test (Seat)	3.3

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.



Cast JIS Bronze Marine valves

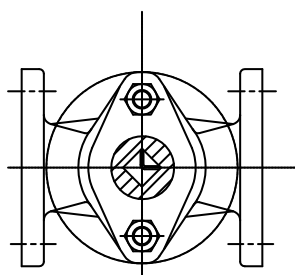
■ JIS 5K 2 & 3Way Flanged Cocks

JIS F7381

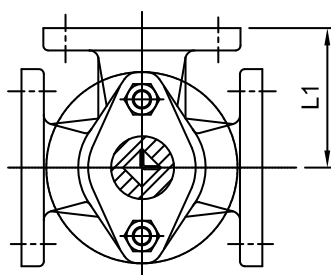
■ JIS 10K 2 & 3Way Flanged Cocks

Ref. to JIS F7381

TWO-WAY COCK

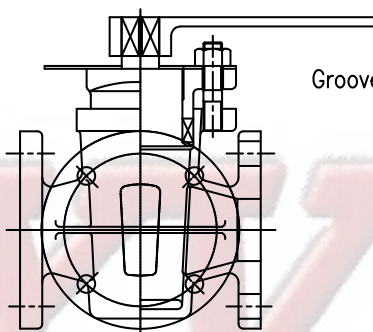
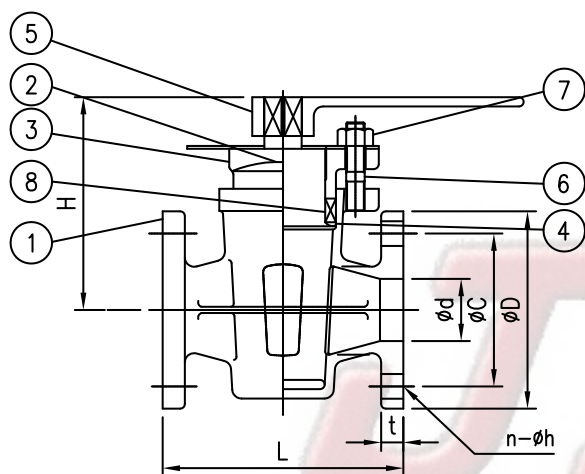


THREE-WAY COCK



Integral seat Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / JIS H5120 CAC406
2	PLUG	BRONZE / JIS H5120 CAC406
3	PACKING GLAND	BRONZE / BRASS
4	SEAT RING	BRONZE / BRASS
5	HANDLE	STEEL / BRASS
6	STUD BOLT	BRASS / STAINLESS STEEL
7	HEXAGON NUT	BRASS / STAINLESS STEEL
8	PACKING	NON ASBESTOS

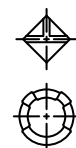


Groove indicating the direction of port

TYPE L



TYPE T



Fluid Condition & Max. Working pressure (MPa)

Rating	JIS 5K, 10K
Fluid Condition	
Oil and Water	0.5

Test Pressure (MPa)

Rating	JIS 5K	JIS 10K
Hydrostatic press test (Shell)	0.75	1.51
Hydrostatic press test (Seat)	0.55	1.08

Dimension Table

(Unit : mm)

Rating	Size	ϕd	ϕD	ϕC	$N-\phi h$	t	L	$L1$	H	Weight (kg)
JIS 5K (JIS F7381)	15A	25	80	60	4-12	10	130	65	105	3.81
	20A	25	85	65	4-12	10	130	65	105	3.81
	25A	25	95	75	4-12	10	130	65	105	3.81
	32A	32	115	90	4-15	12	160	80	125	6.13
	40A	40	120	95	4-15	12	170	85	135	7.93
	50A	50	130	105	4-15	14	190	95	163	11.8
	65A	65	155	130	4-15	14	220	110	201	19.0
Rating	Size	ϕd	ϕD	ϕC	$N-\phi h$	t	L	$L1$	H	Weight (kg)
JIS 10K (JIS F7381)	15A	25	95	70	4-15	12	130	65	105	3.81
	20A	25	100	75	4-15	14	130	65	105	9.0
	25A	25	125	90	4-19	14	170	85	125	9.0
	32A	32	135	100	4-19	16	170	85	125	15.0
	40A	40	140	105	4-19	16	180	90	135	15.0
	50A	50	155	120	4-19	16	190	95	163	19.0
	65A	65	175	140	4-19	18	220	110	201	27.0

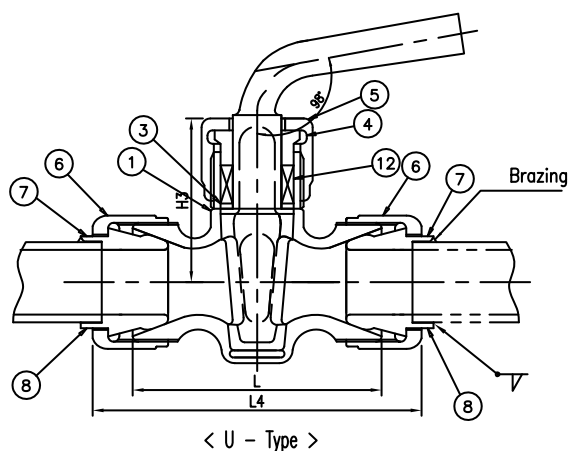
Remark : 1. The flanges shall conform to JIS B 2240.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze JIS Marine valves

■ JIS 16K Cocks

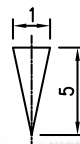
JIS F7387



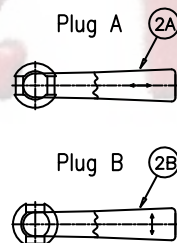
Integral seat

NO.	PARTS	MATERIAL
1	BODY	BRONZE
2A	PLUG A	BRONZE
2B	PLUG B	BRONZE
3	SEAT RING	BRONZE / BRASS
4	PACKING GLAND	BRONZE / BRASS
5	GLAND NUT	BRONZE / BRASS
6	UNION NUT	BRONZE / BRASS
7	NIPPLE FOR COPPER	BRASS
8	NIPPLE FOR STEEL	STEEL
10	UNION NUT	BRASS
11	SLEEVE	BRASS
12	PACKING	NON ASBESTOS

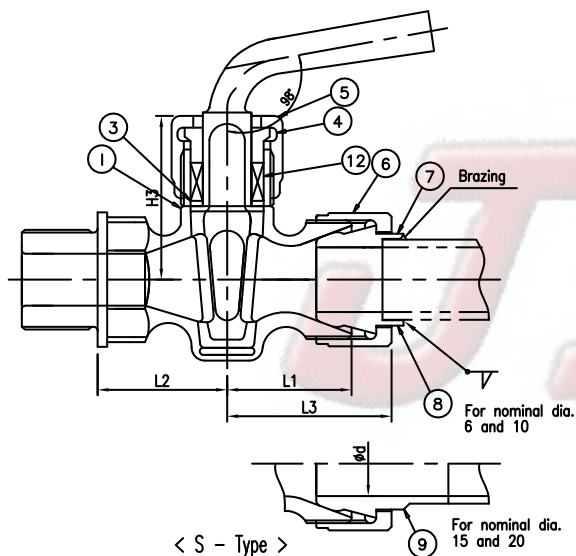
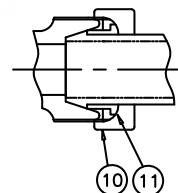
Taper for plug



Direction of plug port



For bite type union
(nominal dia. 6 and 10)



Fluid Condition & Max. Working pressure (MPa)

Fluid Condition	Rating	Nominal dia. 6 and 10	Nominal dia. 15 and 20
Oil and pulsation water	1.6	1.6	1.3
Saturated steam	1.0	1.0	0.5
Non-Shock Water up to 120°C	2.0	2.0	1.6

Dimension Table

(Unit : mm)

Rating	Size	Copper Pipe	Steel Pipe	L	L1	L2	L3	L4	H3	Weight (kg)
JIS 16K (JIS F7387)	6A	8	10.5	56	28	28	37	74	36	0.46
	6A	10	10.5	56	28	28	37	74	36	0.46
	10A	15	17.3	80	40	35	52	104	44	0.85
	15A	20	21.7		45	45	58		56	1.46
	20A	25	27.2		50	50	65		62	2.09

Test Pressure (MPa)

Nominal dia.	6 and 10	15 and 20
Hydrostatic press test (Shell)	3.00	2.40
Hydrostatic press test (Plug)	2.20	1.76

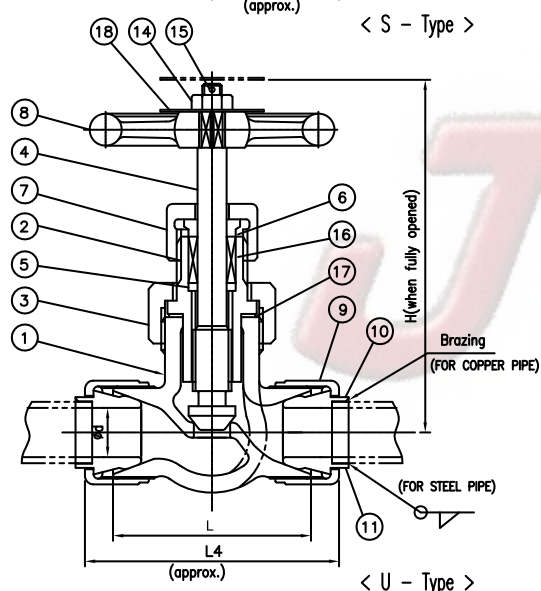
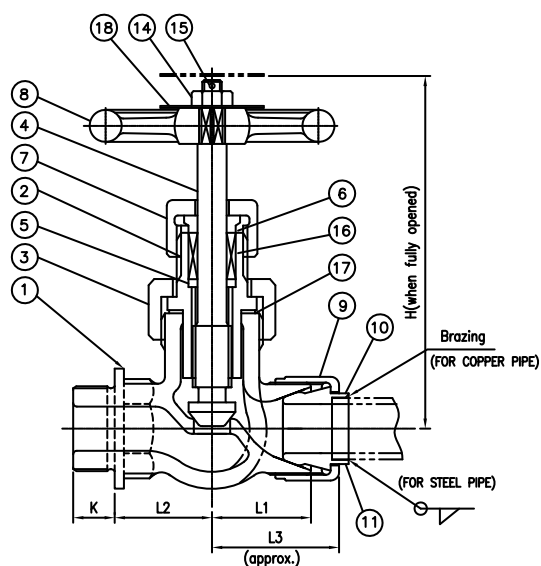
Remark : 1. The dimensions of union for copper pipe shall conform to JIS F 7440 and that for steel pipe to JIS F 7442.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze JIS Marine valves

■ JIS 20K Globe Valves

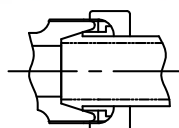
JIS F7388



Union Bonnet Integral seat
Rising Stem

NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	BONNET	BRONZE / BRASS
3	BONNET NUT	BRONZE / BRASS
4	STEM	BRASS
5	SEAT RING	BRONZE / BRASS
6	PACKING GLAND	BRONZE / BRASS
7	GLAND NUT	BRONZE / BRASS
8	HANDWHEEL	CAST IRON
9	UNION NUT	BRONZE / BRASS
10	NIPPLE FOR COPPER	BRASS
11	NIPPLE FOR STEEL	STEEL
12	UNION NUT	BRASS
13	SLEEVE	BRASS
14	HEXAGON NUT	BRASS
15	SPLIT PIN	BRASS
16	PACKING	NON ASBESTOS
17	GASKET	NON ASBESTOS
18	WASHER	STEEL

For bite type union



Fluid Condition & Max. Working pressure (MPa)

Fluid Condition	Rating	JIS 20K
Air, Oil, Gas and pulsation water		2.0
Steam up to 205°C		1.6
Non-Shock Water up to 120°C		2.8

Dimension Table

(Unit : mm)

Rating	Size	Copper Pipe	Steel Pipe	L	L1	L2	L3	L4	H	Weight (kg)
JIS 20K (JIS F7388)	6A	8	10.5	64	32	32	41	82	100	0.85
	6A	10	10.5	64	32	32	41	82	100	0.85
	10A	15	17.3	72	36	35	48	96	115	1.37

Test Pressure (MPa)

Rating	JIS 20K
Hydrostatic press test (Shell)	4.20
Hydrostatic press test (Seat)	3.08

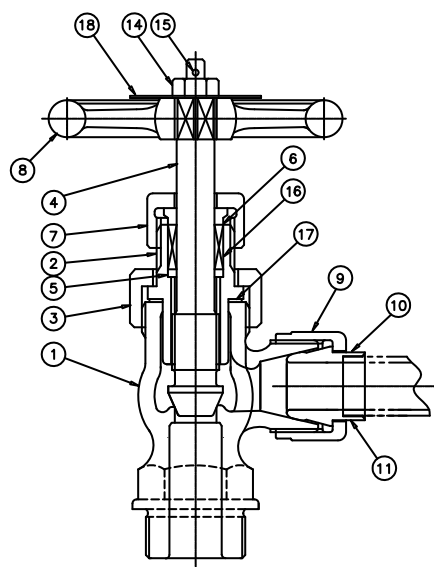
Remark : 1. The dimensions of union for copper pipe shall conform to JIS F 7440 and that for steel pipe to JIS F 7442.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze JIS Marine valves

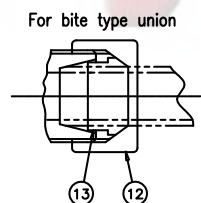
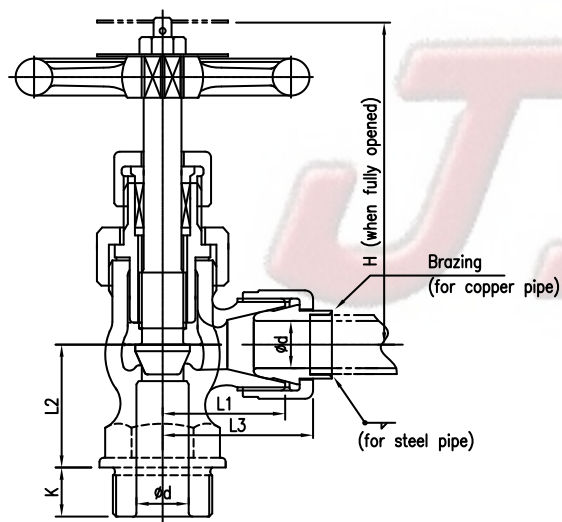
JIS 20K Angle Valves

JIS F7389



Union Bonnet Integral seat
Rising Stem

NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	BONNET	BRONZE / BRASS
3	BONNET NUT	BRONZE / BRASS
4	STEM	BRASS
5	SEAT RING	BRONZE / BRASS
6	PACKING GLAND	BRONZE / BRASS
7	GLAND NUT	BRONZE / BRASS
8	HANDWHEEL	CAST IRON
9	UNION NUT	BRONZE / BRASS
10	NIPPLE FOR COPPER	BRASS
11	NIPPLE FOR STEEL	STEEL
12	UNION NUT	BRASS
13	SLEEVE	BRASS
14	HEXAGON NUT	BRASS
15	SPLIT PIN	BRASS
16	PACKING	NON ASBESTOS
17	GASKET	NON ASBESTOS
18	WASHER	STEEL



Fluid Condition & Max. Working pressure (MPa)

Fluid Condition	Rating	JIS 20K
Air, Oil, Gas and pulsation water		2.0
Steam up to 205°C		1.6
Non-Shock Water up to 120°C		2.8

Dimension Table (Unit : mm)

Rating	Size	Copper Pipe	Steel Pipe	K	L1	L2	L3	H	Weight (kg)
JIS 20K (JIS F7389)	6A	8	10.5	12	32	32	41	95	0.83
	6A	10	10.5	12	32	32	41	95	0.83
	10A	15	17.3	72	39	35	51	105	1.2

Test Pressure (MPa)

Rating	JIS 20K
Hydrostatic press test (Shell)	4.20
Hydrostatic press test (Seat)	3.08

Remark : 1. The dimensions of union for copper pipe shall conform to JIS F 7440 and that for steel pipe to JIS F 7442.

It's prohibited to copy or transcribe arbitrarily.

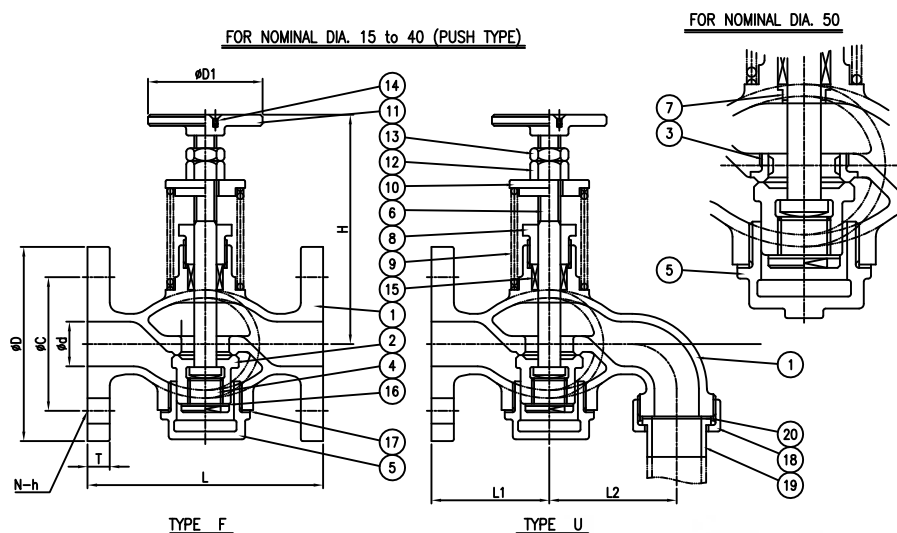
Cast Bronze Marine valves

■ Fuel Oil Tank Self-Closing Drain Valves 5K

Ref. to JIS F7398

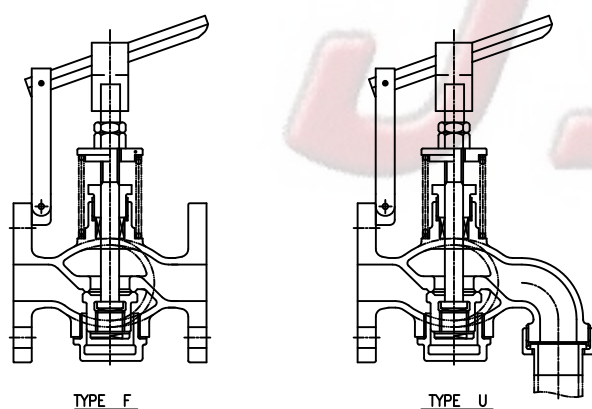
■ Fuel Oil Tank Self-Closing Drain Valves 10K

JIS F7398



NO.	PARTS	MATERIAL
1	BODY (15A-40A)	BRONZE / JIS H5120 CAC406
1	BODY (50A)	BRONZE / CAST STEEL
2	DISC	BRONZE
3	SEAT RING	INTEGRAL / BRONZE
4	PLUG	BRONZE
5	BONNET (15A-40A)	BRONZE
5	BONNET (50A)	BRONZE / CAST STEEL
6	STEM	BRASS
7	PACKING BUSH	BRASS
8	PACKING GLAND	BRASS
9	SPRING	SWP-A
10	SPRING SUPPORT	BRONZE / STEEL
11	HANDLE	STEEL
12	NUT	BRASS
13	NUT	BRASS
14	SET SCREW	BRASS
15	PACKING	NON ASBESTOS
16	GASKET	NON ASBESTOS
17	GASKET	NON ASBESTOS
18	UNION NUT	STEEL
19	NIPPLE	STEEL
20	GASKET	NON ASBESTOS

FOR NOMINAL DIA. 15 to 40 (LEVER TYPE)



Dimension Table

(Unit : mm)

Rating	Size	Ød	ØD	ØC	N-Øh	t	L	L1	H	Weight (kg) F	Weight (kg) U
JIS 5K (JIS F7398)	15A	25	80	60	4-12	9	130	65	130	4.7	3.87
	20A	25	85	65	4-12	10	130	65	130	4.7	3.87
	25A	25	95	75	4-12	10	130	65	130	4.7	3.87
	32A	40	115	90	4-15	12	180	90	165	8.1	7.43
	40A	40	120	95	4-15	12	180	90	165	8.1	7.43
	50A	50	130	105	4-19	14	220	110	195	12.4	12.2
	65A	65	155	130	4-19	14	270	135	255	32	28
	80A	80	180	145	4-19	14	290		255	37	
	100A	100	200	165	8-19	16	300		280	60	
JIS 10K (JIS F7398)	15A	25	95	70	4-15	14	130	65	130	4.7	3.87
	20A	25	100	75	4-15	14	130	65	130	4.7	3.87
	25A	25	125	90	4-19	14	130	65	130	4.7	3.87
	32A	40	135	100	4-19	16	180	90	165	8.1	7.43
	40A	40	140	105	4-19	16	180	90	165	8.1	7.43
	50A	50	155	120	4-19	16	220	110	195	12.4	12.2
	65A	65	175	140	4-19	18	270	135	255	32	28
	80A	80	185	150	8-19	18	290		255	37	
	100A	100	210	175	8-19	18	300		280	60	

Test Pressure (MPa)

Rating	JIS 10K
Hydrostatic press test (Shell)	0.15
Hydrostatic press test (Seat)	0.11

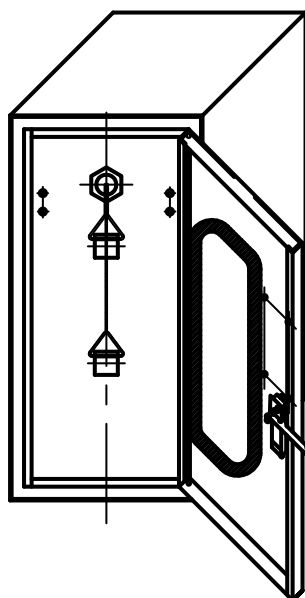
Remark : 1. The flanges of nominal diameter 15 to 50 shall conform to JIS B 2240.

It's prohibited to copy or transcribe arbitrarily.

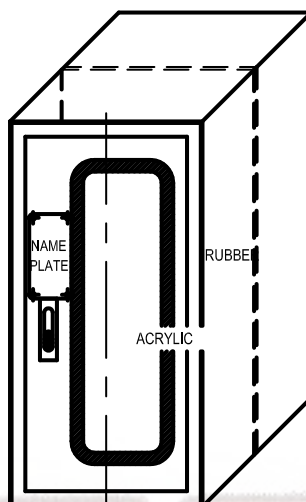
Control Box

■ One-Handle Type For Quick Closing Valves (Wire Type)

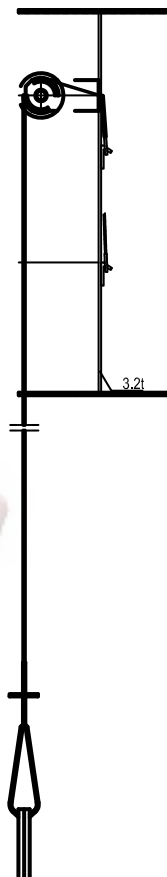
JIS F7399



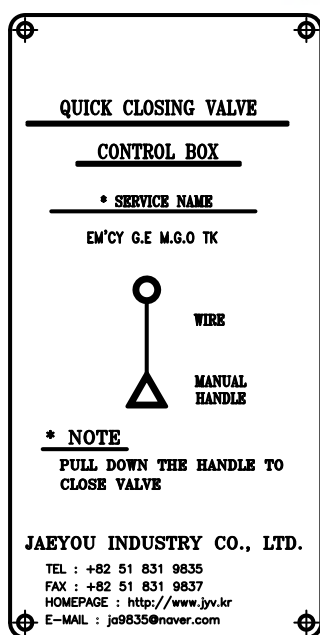
VIEW OF OPEN DOOR



VIEW OF OFF DOOR



VIEW OF INTERNAL PLATE



NAME PLATE

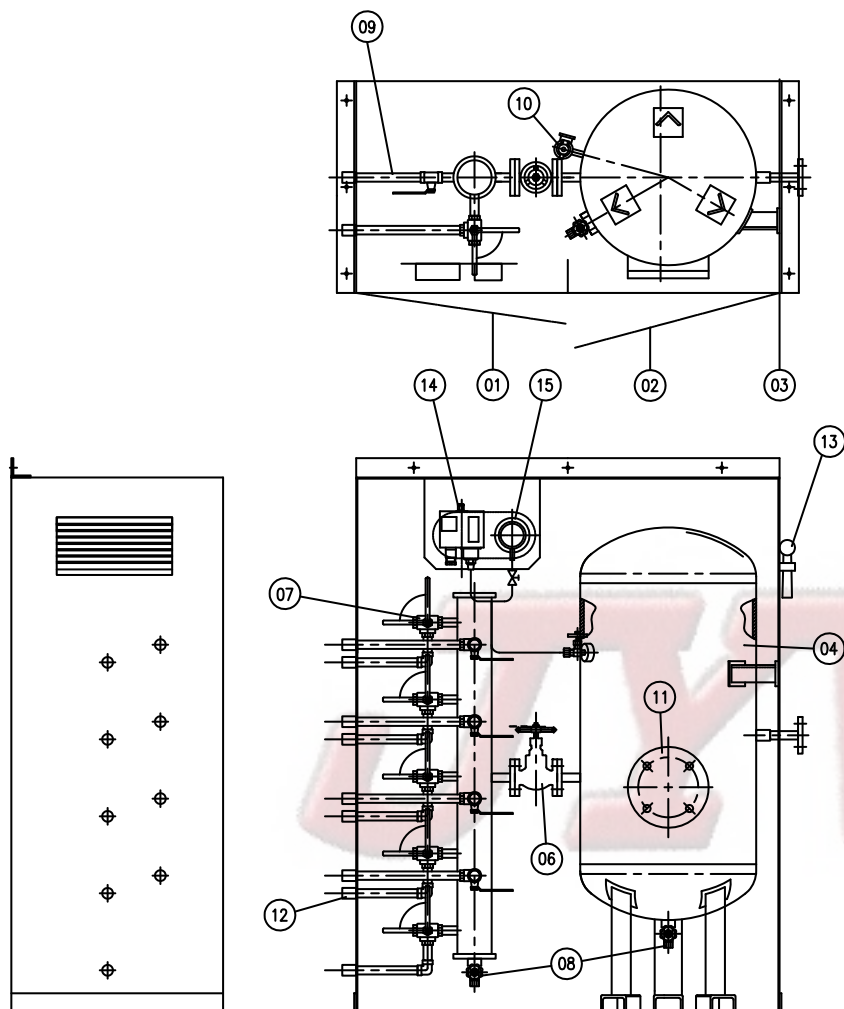
It's prohibited to copy or transcribe arbitrarily.



Control Box

■ Pneumatic Control Box For Emergency Shut-Off Valves

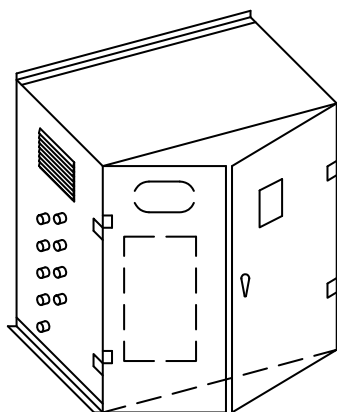
JIS F7399



NO.	PARTS	MATERIAL
1	CONTROL BOX	STEEL
2	DOOR	STEEL
3	HINGE	STEEL
4	AIR RESERVOIR	STEEL
5	AIR RESERVOIR	STEEL
6	GLOBE VALVE	BRONZE
7	3WAY BALL VALVE	STAINLESS STEEL
8	DRAIN VALVE	BRASS
9	OUTLET PIPE	STAINLESS STEEL
10	SAFETY VALVE	BRONZE
11	CLEANING HOLE	STEEL
12	SOCKET	STAINLESS STEEL
13	HAMMER	STEEL
14	PRESSURE SWITCH	
15	PRESSURE GAUGE	

SPECIFICATION

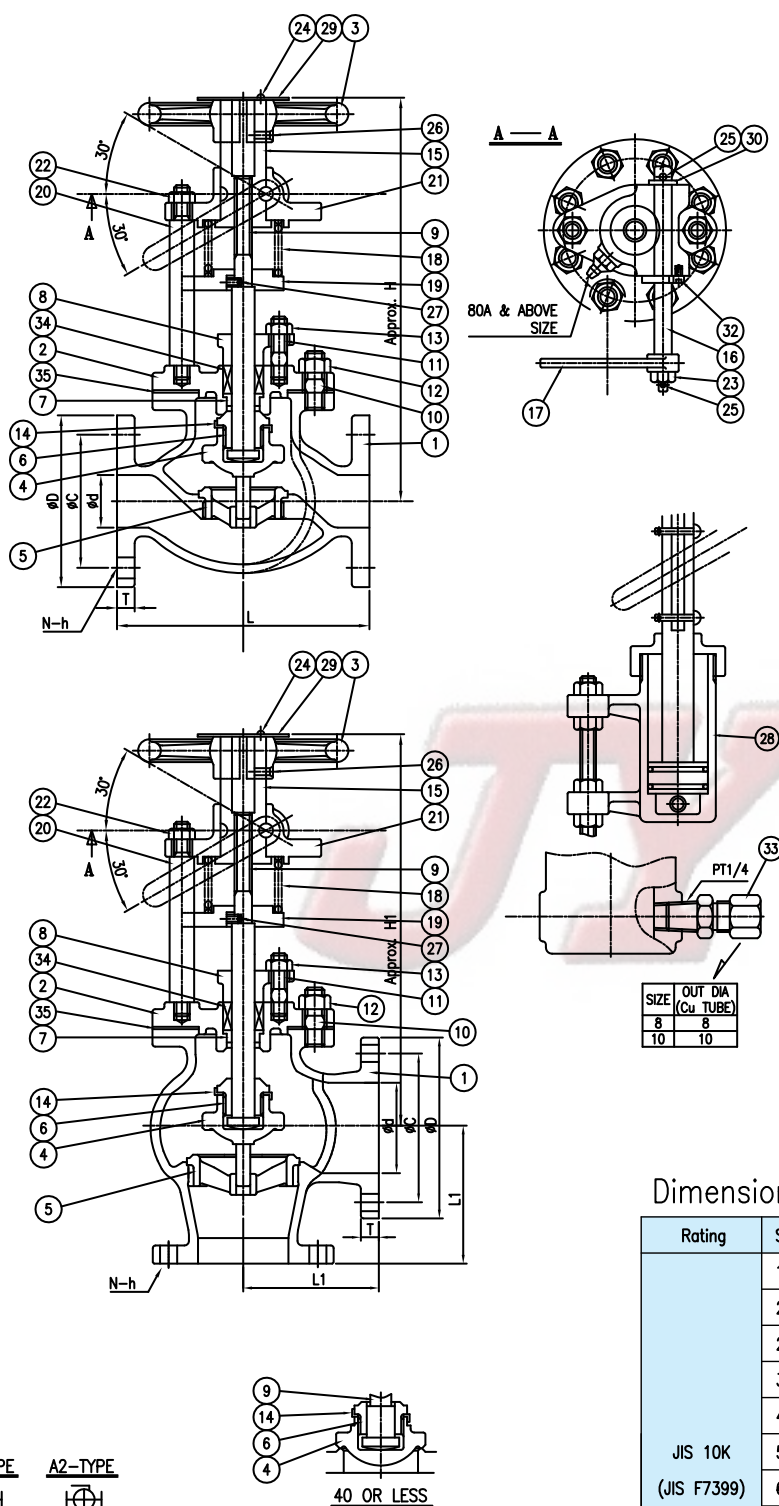
1. WORKING PRESSURE : 7Kg/cm^2
2. DESIGN PRESSURE : 7.7Kg/cm^2
3. TEST PRESSURE : 11.55Kg/cm^2
4. PAINTING
 - 1)CONTROL BOX : INSIDE - ALKYD WHITE
: OUTSIDE - ALKYD RED
 - 2)AIR RESERVOIR : INSIDE - TAR EPOXY (2COATION)
: OUTSIDE - ALKYD WHITE



Cast Bronze JIS Marine valves

■ Fuel Oil Tank Emergency Shut-Off Valves 10K

JIS F7399



NO.	PARTS	MATERIAL
		15A to 250A
1	BODY	BRONZE / JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	HANDWHEEL	CAST IRON
4	DISC	BRONZE JIS H5120 CAC406
5	BODY SEAT RING	INTEGRAL / BRONZE
6	DISC NUT	BRONZE
7	BONNET BUSH	BRONZE
8	PACKING GLAND	BRONZE
9	STEM	BRASS
10	BONNET BOLT	STEEL
11	PACKING BOLT	STEEL
12	BONNET NUT	STEEL
13	PACKING NUT	BRASS
14	DISC WASHER	BRASS
15	STEM BUSH	BRASS
16	SPINDLE	STAINLESS STEEL
17	LEVER	STEEL
18	SPRING	SWP-A
19	SPRING SUPPORT	BRONZE / DUCTILE IRON
20	STAY	STEEL
21	SUPPORT BUSH	BRONZE / DUCTILE IRON
22	STAY NUT	STEEL
23	NUT	STEEL
24	MACHINE SCREW	BRASS
25	SPLIT PIN	BRASS
26	MACHINE SCREW	BRASS
27	LOCK PIN	STEEL
28	PNEUMATIC CYLINDER	BRONZE
29	NAME PLATE	BRASS
30	WASHER	STEEL
32	SET SCREW	STEEL
33	NIPPLE	BRASS
34	PACKING	NON ASBESTOS
35	BONNET GASKET	NON ASBESTOS

Dimension Table (Unit : mm)

Rating	Size	Ød	ØD	ØC	N-Øh	t	L	L1	H	H1	Weight (Kg) Globe Angle
JIS 10K (JIS F7399)	15A	25	95	70	4-15	12	110	70	130	265	8.5 8.5
	20A	25	100	75	4-15	14	130	85	130	265	8.5 8.5
	25A	25	125	90	4-19	14	130	85	130	265	8.5 8.5
	32A	32	135	100	4-19	16	160	95	165	310	12.7 12.7
	40A	40	140	105	4-19	16	170	100	165	310	12.7 12.7
	50A	50	155	120	4-19	16	220	120	335	335	25.1 20.9
	65A	65	175	140	4-19	18	270	130	395	395	36.6 30.5
	80A	80	185	150	8-19	18	300	140	420	420	42.5 38.4
	100A	100	210	175	8-19	18	350	160	510	510	66.7 60.1
	125A	125	250	210	8-23	20	420	180	570	570	123.6 115.3
	150A	150	280	240	8-23	22	490	205	660	660	168 144.5
	200A	200	330	290	12-23	22	570	230	780	780	264 225.6
	250A	250	400	355	12-25	24	740	290	860	860	420 400

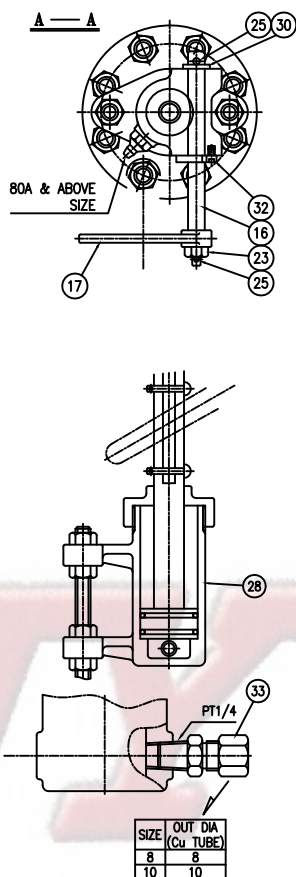
Test Pressure (MPa)

Rating	JIS 10K
Hydrostatic press test (Shell)	0.686
Hydrostatic press test (Seat)	0.196

Remark : 1. The flanges of nominal diameter 40 or less shall conform to JIS B 2240 - 10K and the flanges of nominal diameter 50 or more shall conform to JIS B 2210 - 10K, however they may conform to JIS B 2240 - 5K or JIS B 2210 - 5K

It's prohibited to copy or transcribe arbitrarily.

JIS F7399



Dimension Table

(Unit : mm)

Rating	Size	ød	ØD	øC	N-øh	t	L	L1	H	H1	Weight Globe	(Kg) Angle
JIS 5K (JIS F7399)	15A	15	80	60	4-12	10	110	70	130	265	8.5	8.5
	20A	25	85	65	4-12	10	120	85	130	265	8.5	8.5
	25A	25	95	75	4-12	10	120	85	130	265	8.5	8.5
	32A	32	115	90	4-15	14	160	95	165	310	12.7	12.7
	40A	40	120	95	4-15	14	160	100	165	310	12.7	12.7
	50A	50	130	105	4-15	16	220	120	335	335	25.1	20.9
	65A	65	155	130	4-15	18	270	130	395	395	36.6	30.5
	80A	80	180	145	4-19	18	300	140	420	420	42.5	38.4
	100A	100	200	165	8-19	18	350	160	510	510	66.7	60.1
	125A	125	235	200	8-19	20	420	180	570	570	123.6	115.3
	150A	150	265	230	8-19	22	490	205	660	660	168	144.5
	200A	200	320	280	8-23	22	570	230	780	780	264	225.6
	250A	250	385	345	12-23	24	740	290	860	860	420	400

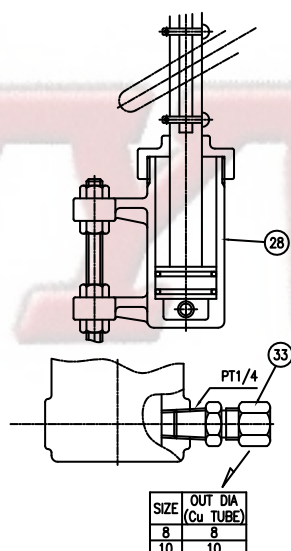
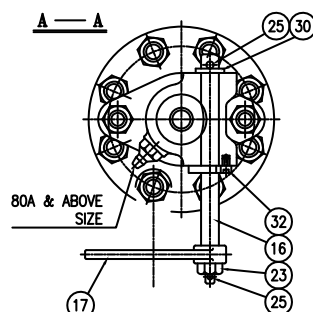
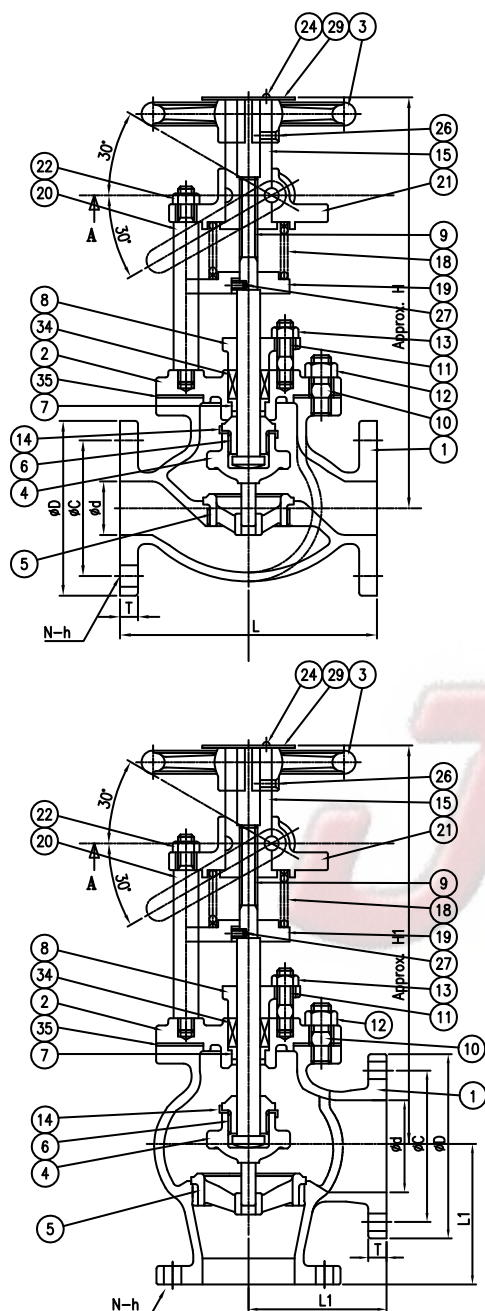
Rating	JIS 5K
Hydrostatic press test (Shell)	0.686
Hydrostatic press test (Seat)	0.196

It's prohibited to copy or transcribe arbitrarily.

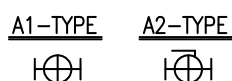
Cast Steel JIS Marine valves

■ Fuel Oil Tank Emergency Shut-Off Valves 10K

JIS F7399



NO.	PARTS	MATERIAL
		50A to 250A
1	BODY	JIS G5101SC450
2	BONNET	JIS G5101 SC450
3	HANDWHEEL	CAST IRON
4	DISC	JIS G5121 SCS2
5	BODY SEAT RING	JIS G5121 SCS2
6	DISC NUT	STAINLESS STEEL
7	BONNET BUSH	BRONZE
8	PACKING GLAND	BRONZE
9	STEM	JIS G4303 SUS410
10	BONNET BOLT	STEEL
11	PACKING BOLT	STEEL
12	BONNET NUT	STEEL
13	PACKING NUT	BRASS
14	DISC WASHER	STAINLESS STEEL
15	STEM BUSH	BRASS
16	SPINDLE	STAINLESS STEEL
17	LEVER	STEEL
18	SPRING	SUP4
19	SPRING SUPPORT	BRONZE
20	STAY	STEEL
21	SUPPORT BUSH	BRONZE
22	STAY NUT	STEEL
23	NUT	STEEL
24	MACHINE SCREW	BRASS
25	SPLIT PIN	BRASS
26	MACHINE SCREW	BRASS
27	LOCK PIN	STEEL
28	PNEUMATIC CYLINDER	BRONZE
29	NAME PLATE	BRASS
30	WASHER	STEEL
32	SET SCREW	STEEL
33	NIPPLE	BRASS
34	PACKING	NON ASBESTOS
35	BONNET GASKET	NON ASBESTOS



Test Pressure (MPa)

Rating	JIS 10K
Hydrostatic press test (Shell)	0.686
Hydrostatic press test (Seat)	0.196

Dimension Table

(Unit : mm)

Rating	Size	ød	øD	øC	N-øh	t	L	L1	H	H1	Weight (Kg) Globe	Angle
JIS 10K (JIS F7399)	50A	50	155	120	4-19	16	220	120	335	335	20.9	20.9
	65A	65	175	140	4-19	18	270	130	395	395	30.5	30.5
	80A	80	185	150	8-19	18	300	140	420	420	35.4	35.4
	100A	100	210	175	8-19	18	350	160	510	510	55.6	55.6
	125A	125	250	210	8-23	20	420	180	570	570	98.8	92.2
	150A	150	280	240	8-23	22	490	205	660	660	134.4	115.6
	200A	200	330	290	12-23	22	570	230	780	780	211.2	180.5
	250A	250	400	355	12-25	24	740	290	860	860	350	320

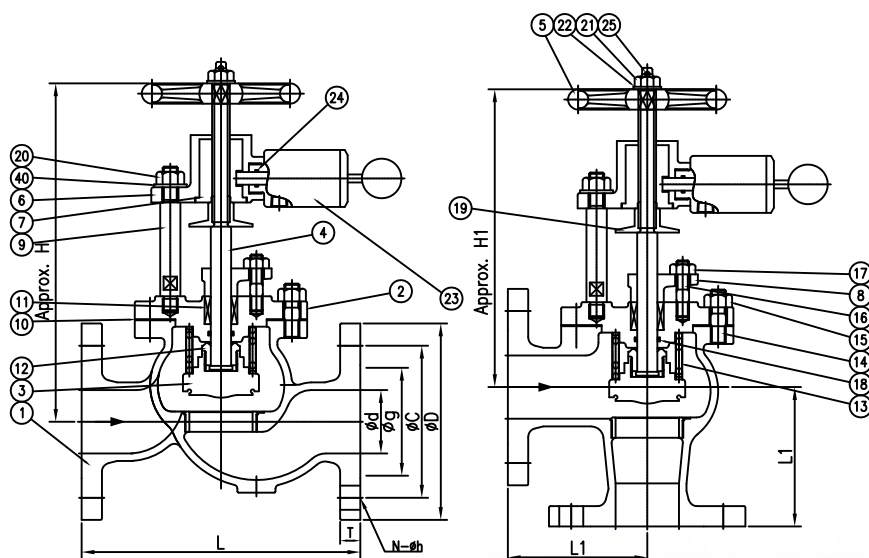
Remark : 1. The flanges of nominal diameter 40 or less shall conform to JIS B 2240 - 10K and the flanges of nominal diameter 50 or more shall conform to JIS B 2210 - 10K, however they may conform to JIS B 2240 - 5K or JIS B 2210 - 5K

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze JIS valves

■ 5K,10K Hydraulic Remote Controlled Quick Closing Valves

JYV Hyd Type-01



Test Pressure (Bar)

Rating	5K	10K
Size	15A to 250A	15A to 250A
Hydrostatic press test (Shell)	7	7
Hydrostatic press test (Seat)	2	2

Bolted Bonnet Renewable seat Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / HIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	DISC	BRONZE / BRASS
4	STEM	BRASS
5	HANDWHEEL	CAST IRON
6	YOKE	BRONZE
7	YOKE BUSH	BRASS
8	PACKING GLAND	BRONZE
9	STAY	STEEL
10	GASKET	NON ASBESTOS
11	PACKING	NON ASBESTOS
12	DISC NUT	BRASS
13	SPRING	STEEL
14	BOLT	STEEL / SS400
15	NUT	STEEL / SS400
16	STUD BOLT	STEEL / SS400
17	NUT	STEEL / SS400
18	O-RING	NBR
19	INDICATOR	BRASS
20	NUT	STEEL
21	HANDLE NUT	STEEL
22	NAME PLATE	STAINLESS STEEL
23	ACTUATOR	BRASS
24	O-RING	NBR
25	SPLIT PIN	BRASS

Dimension Table

(Unit : mm)

Rating	Size	Ød	ØD	ØC	N-Øh	t	L	L1	H	H1	Weight (Kg)	Globe Angle
JIS 5K	15A	15	80	60	4-12	10	110	70	200	190	8.5	8.5
	20A	25	85	65	4-12	10	120	85	200	190	8.5	8.5
	25A	25	95	75	4-12	10	120	85	200	190	8.5	8.5
	32A	32	115	90	4-15	14	160	95	230	220	12.7	12.7
	40A	40	120	95	4-15	14	160	100	235	225	12.7	12.7
	50A	50	130	105	4-15	16	220	120	265	240	25.1	20.9
	65A	65	155	130	4-15	18	270	130	305	275	36.6	30.5
	80A	80	180	145	4-19	18	300	140	325	285	42.5	38.4
	100A	100	200	165	8-19	18	350	160	370	320	66.7	60.1
	125A	125	235	200	8-19	20	420	180	400	340	123.6	115.3
	150A	150	265	230	8-19	22	490	205	450	380	168	144.5
	200A	200	320	280	8-23	22	570	230	570	470	264	225.6
	250A	250	385	345	12-23	24	740	290	600	480	420	400

Dimension Table

(Unit : mm)

Rating	Size	Ød	ØD	ØC	N-Øh	t	L	L1	H	H1	Weight (Kg)	Globe Angle
JIS 10K	15A	25	95	70	4-15	14	110	70	200	190	8.5	8.5
	20A	25	100	75	4-15	14	130	85	200	190	8.5	8.5
	25A	25	125	90	4-19	14	130	85	200	190	8.5	8.5
	32A	32	135	100	4-19	16	160	95	230	220	12.7	12.7
	40A	40	140	105	4-19	16	170	100	235	225	12.7	12.7
	50A	50	155	120	4-19	16	220	120	265	240	25.1	20.9
	65A	65	175	140	4-19	18	270	130	305	275	36.6	30.5
	80A	80	185	150	8-19	18	300	140	385	325	42.5	38.4
	100A	100	210	175	8-19	18	350	160	370	320	66.7	60.1
	125A	125	250	210	8-23	20	420	180	400	340	123.6	115.3
	150A	150	280	240	8-23	22	490	205	450	380	168	144.5
	200A	200	330	290	12-23	22	570	230	570	470	264	225.6
	250A	250	400	355	12-25	24	740	290	600	480	420	400

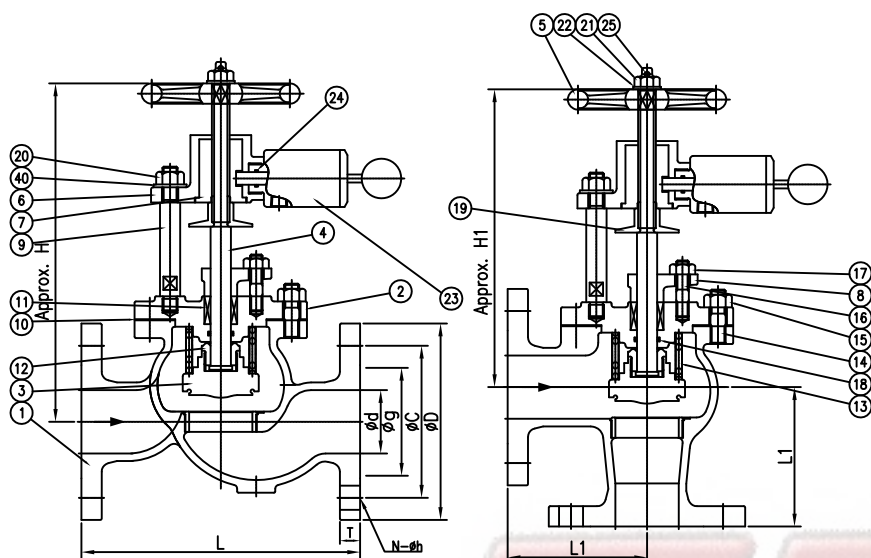
The quick-closing valves can be used for both of pneumatic and hydraulic

It's prohibited to copy or transcribe arbitrarily.

Cast Steel JIS Valves

■ 5K,10K Hydraulic Remote Controlled Quick Closing Valves

JYV Hyd Type-02



Bolted Bonnet Renewable seat Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	STEEL / JISG 5101 SC450
2	BONNET	STEEL / JIS G5101 SC450
3	DISC	SUS410
4	STEM	SUS410
5	HANDWHEEL	CAST IRON
6	YOKE	BRONZE
7	YOKE BUSH	BRASS
8	PACKING GLAND	BRONZE
9	STAY	STEEL
10	GASKET	NON ASBESTOS
11	PACKING	NON ASBESTOS
12	DISC NUT	BRASS
13	SPRING	STEEL
14	BOLT	STEEL / SS400
15	NUT	STEEL / SS400
16	STUD BOLT	STEEL / SS400
17	NUT	STEEL / SS400
18	O-RING	NBR
19	INDICATOR	BRASS
20	NUT	STEEL
21	HANDLE NUT	STEEL
22	NAME PLATE	STAINLESS STEEL
23	ACTUATOR	BRASS
24	O-RING	NBR
25	SPLIT PIN	BRASS

Test Pressure (Bar)

Rating	PN 10	PN 16
Size	15A to 250A	15A to 250A
Hydrostatic press test (Shell)	7	7
Hydrostatic press test (Seat)	2	2

Dimension Table

(Unit : mm)

Rating	Size	ød	øD	øC	N-øh	t	L	L1	H	H1
JIS 5K (JIS F7399)	50A	50	130	105	4-15	16	220	120	265	240
	65A	65	155	130	4-15	18	270	130	305	275
	80A	80	180	145	4-19	18	300	140	325	285
	100A	100	200	165	8-19	18	350	160	370	320
	125A	125	235	200	8-19	20	420	180	400	340
	150A	150	265	230	8-19	22	490	205	450	380
	200A	200	320	280	8-23	22	570	230	570	470
	250A	250	385	345	12-23	24	740	290	600	480

Dimension Table

(Unit : mm)

Rating	Size	ød	øD	øC	N-øh	t	L	L1	H	H1
JIS 10K (JIS F7399)	50A	50	155	120	4-19	16	220	120	265	240
	65A	65	175	140	4-19	18	270	130	305	275
	80A	80	185	150	8-19	18	300	140	325	285
	100A	100	210	175	8-19	18	350	160	370	320
	125A	125	250	210	8-23	20	420	180	400	340
	150A	150	280	240	8-23	22	490	205	450	380
	200A	200	330	290	12-23	22	570	230	570	470
	250A	250	400	355	12-25	24	740	290	600	480

The quick-closing valves can be used for both of pneumatic and hydraulic

It's prohibited to copy or transcribe arbitrarily.

ANSI VALVE AMERICAN NATIONAL STANDARD INSTITUTE

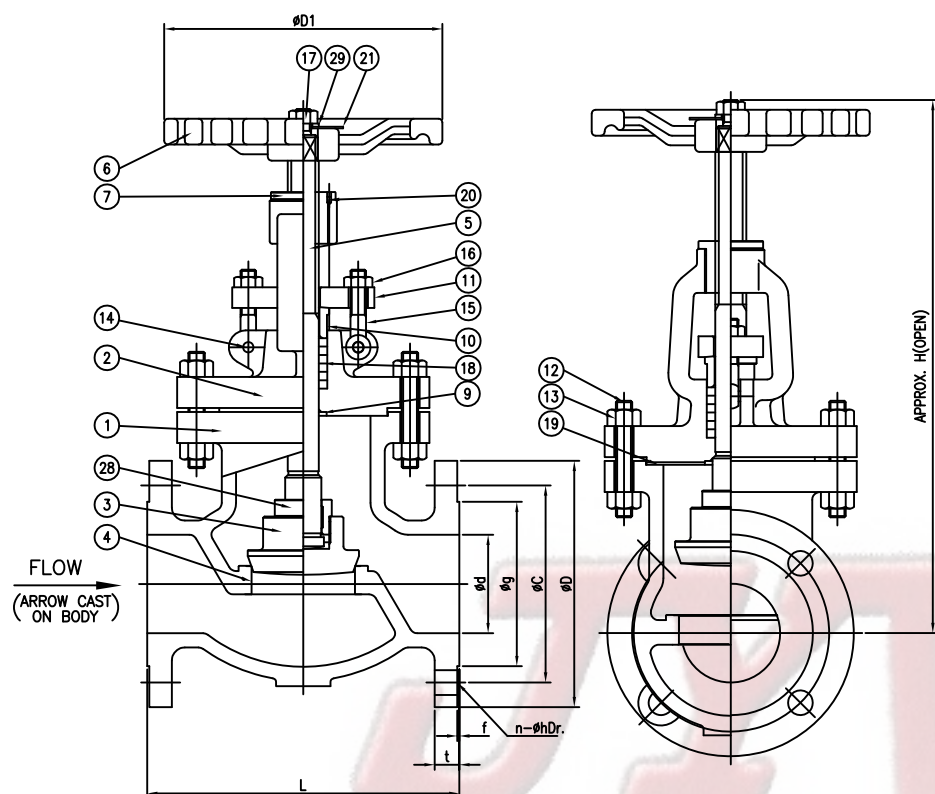


It's prohibited to copy or transcribe arbitrarily.

Cast Bronze ANSI Valves

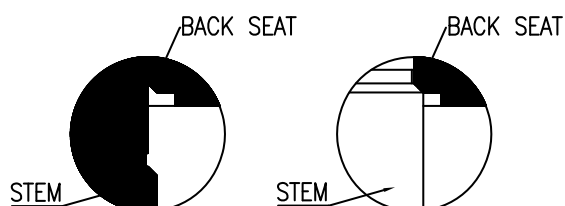
■ CLASS 150 Globe Valves (Bolted Bonnet) OS&Y

API 600



Bolted Bonnet Intergral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / ASTM B62
2	BONNET	BRONZE / ASTM B62
3	DISC	BRONZE / ASTM B62
4	SEAT	INTERGRAL
5	STEM	BRASS / ASTM B124
6	HANDWHEEL	CAST IRON / ASTM B126
7	YORK SLEEVE	BRASS
9	BACK SEAT	INTERGRAL
10	GRLAND BUSH	INTERGRAL
11	GRAND PLATE	BRONZE
12	BONNET BOLT	STAINLESS STEEL
13	BONNET NUT	STAINLESS STEEL
14	EYE BOLT PIN	BRASS / A276-304
15	EYE BOLT	STAINLESS STEEL
16	EYE BOLT NUT	STAINLESS STEEL
17	WHEEL NUT	STAINLESS STEEL
18	GRAND PACKING	NON ASBESTOS
19	GASKET	NON ASBESTOS
20	SET SCREW	STAINLESS STEEL
21	NAME PLATE	ALUMNUM
28	DISC GRAND	BRASS
29	WASHER	STEEL



Test Pressure (Psi)

Rating	ANSI 150#
Size	2" to 16"
Hydrostatic press test (Shell)	450
Hydrostatic press test (Seat)	325

1. HYDRO TEST : API598
2. FACE TO FACE : ANSI B16.10
3. FLANGE : ANSI B16.5
4. "f" dimension : 1.6mm

Dimension Table (Unit : mm)

Rating	Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
ANSI 150#	d	50	65	80	100	125	150	200	250	300	335	380
	D	152	178	191	229	254	279	343	406	483	533	597
	C	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8
	g	91.9	104.6	127	157.2	185.7	215.9	269.7	323.9	381	412.8	469.9
	t	15.8	17.6	19.1	23.9	23.9	25.4	28.5	30.3	31.8	35.1	36.6
	N-øh	4-19	4-19	4-19	8-19	8-23	8-23	8-23	12-26	12-26	12-29	16-29
	L	203.2	215.9	241.3	292.1	355.6	406.4	495.3	622.3	698.5	787.0	914.4
	H	275	290	320	350	400	440	560	670	740	1050	1590

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

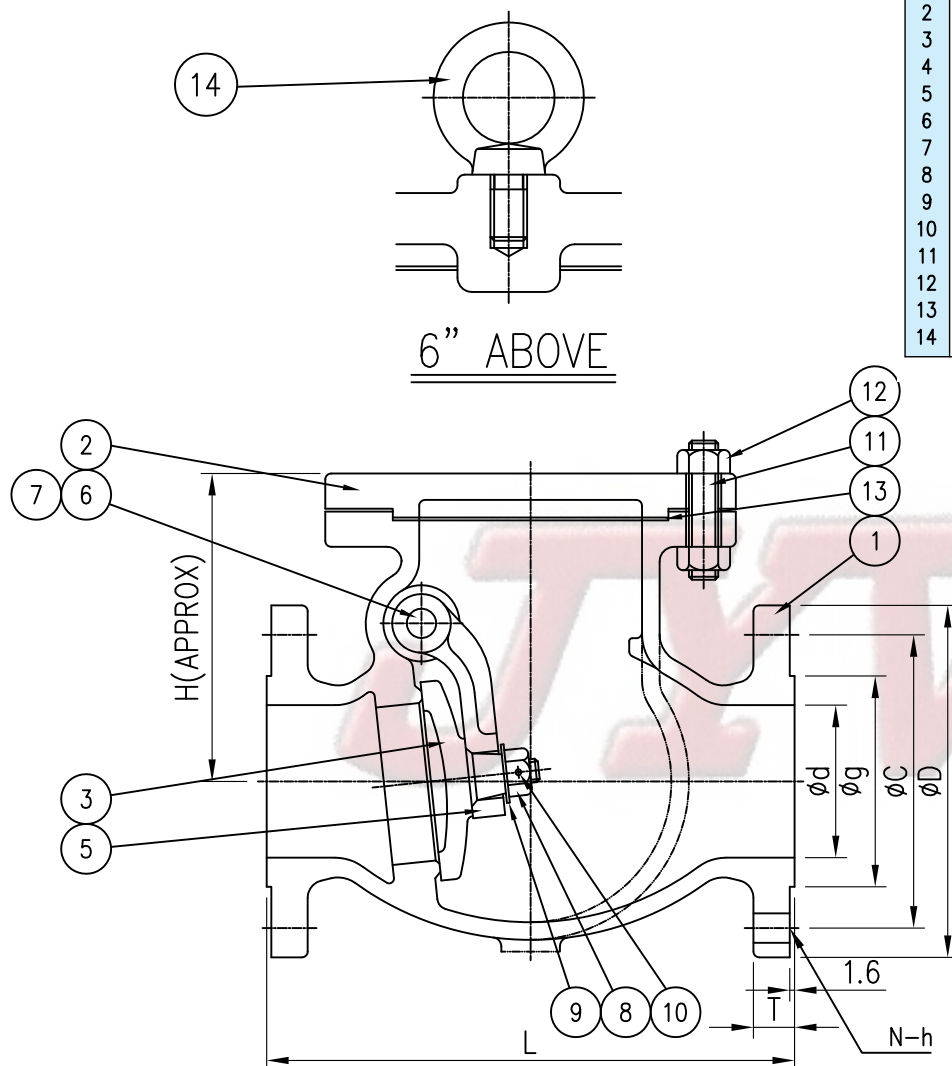


Cast Bronze ANSI Valves

■ CLASS 150 Swing Check Valves (Bolted Bonnet)

API 600

Bolted Bonnet Integral seat



NO.	PARTS	MATERIAL
1	BODY	BRONZE / ASTM B62
2	BONNET	BRONZE / ASTM B62
3	DISC	BRONZE / ASTM B62
4	SEAT	INTERGRAL
5	ARM	BRONZE / ASTM B62
6	HINGE PIN	STAINLESS STEEL
7	PLUG	BRASS /STAINLESS STEEL
8	DISC LOCK NUT	BRASS
9	WASHER	STAINLESS STEEL
10	SPLIT PIN	BRONZE
11	BONNET BOLT	STAINLESS STEEL
12	BONNET NUT	STAINLESS STEEL
13	GASKET	NON ASBESTOS
14	EYE BOLT	STAINLESS STEEL

Test Pressure (Psi)

Rating	ANSI 150#
Size	2" to 16"
Hydrostatic press test (Shell)	450
Hydrostatic press test (Seat)	325

1. HYDRO TEST : API598
2. FACE TO FACE : ANSI B16.10
3. FLANGE : ANSI B16.5

Dimension Table

(Unit : mm)

Rating	Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
ANSI 150#	d	50	65	80	100	125	150	200	250	300	335	380
	D	152	178	191	229	254	279	343	406	483	533	597
	C	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8
	g	91.9	104.6	127	157.2	185.7	215.9	269.7	323.9	381	412.8	469.9
	t	15.8	17.6	19.1	23.9	23.9	25.4	28.5	30.3	31.8	35.1	36.6
	N-øh	4-19	4-19	4-19	8-19	8-23	8-23	8-23	12-26	12-26	12-29	16-29
	L	203.2	215.9	241.3	292.1	330.2	355.6	495.3	622.3	698.5	787.0	864
	H	115	129	137	161	188	206	247	368	450	459	526

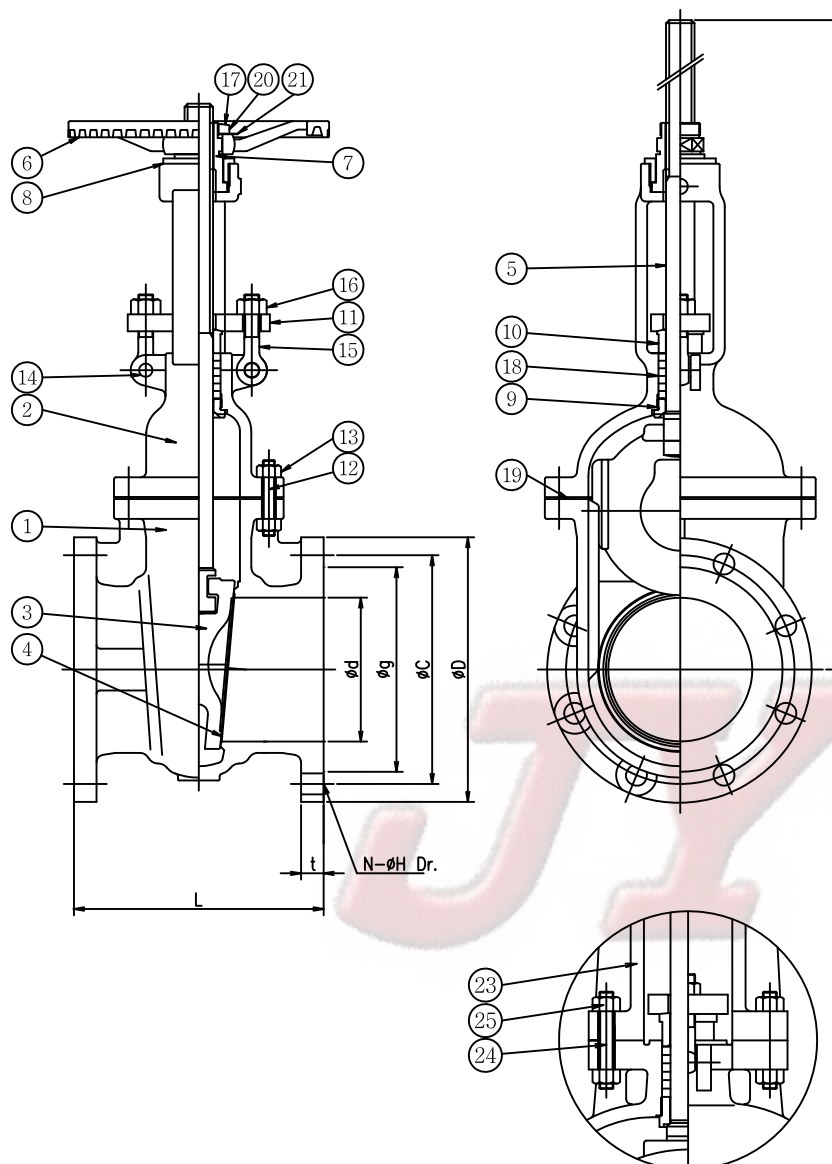
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze ANSI Valves

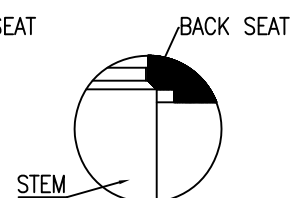
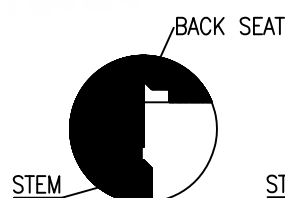
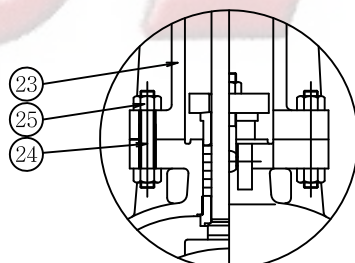
■ CLASS 150 Gate Valves (Bolted Bonnet) OS & Y

API 600



Bolted Bonnet Flexible seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / ASTM B62
2	BONNET	BRONZE / ASTM B62
3	DISC (FLEXIBLE)	BRONZE / ASTM B62
4	SEAT	INTERGRAL
5	STEM	BRASS / ASTM B124
6	HANDWHEEL	CAST IRON / ASTM B126
7	YORK SLEEVE	BRASS
8	SLEEVE GRAND	BRASS
9	GUIDE BUSH	INTEGRAL
10	GRAND BUSH	INTEGRAL
11	PACKING GLAND	BRONZE
12	BONNET BOLT	STAINLESS STEEL
13	BONNET NUT	STAINLESS STEEL
14	EYE BOLT PIN	BRASS / A276-304
15	EYE BOLT	STAINLESS STEEL
16	EYE BOLT NUT	STAINLESS STEEL
17	WHEEL NUT	BRASS
18	GRAND PACKING	NON ASBESTOS
19	GASKET	NON ASBESTOS
20	SET SCREW	STAINLESS STEEL
21	NAME PLATE	ALUMNUM
23	YORK	BRONZE / ASTM B62
24	YORK BOLT	STAINLESS STEEL
25	YORK BOLT NUT	STAINLESS STEEL



SEPARATE YOKE TYPE
8" AND OVER

Test Pressure (Psi)

Rating	ANSI 150#
Size	2" to 16"
Hydrostatic press test (Shell)	450
Hydrostatic press test (Seat)	325

1. HYDRO TEST : API598
2. FACE TO FACE : ANSI B16.10
3. FLANGE : ANSI B16.5

Dimension Table

(Unit : mm)

Rating	Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
ANSI 150#	d	50	65	80	100	125	150	200	250	300	335	380
	D	152	178	191	229	254	279	343	406	483	533	597
	C	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8
	g	91.9	104.6	127	157.2	185.7	215.9	269.7	323.9	381	412.8	469.9
	t	15.8	17.6	19.1	23.9	23.9	25.4	28.5	30.3	31.8	35.1	36.6
	N-øh	4-19	4-19	4-19	8-19	8-23	8-23	8-23	12-26	12-26	12-29	16-29
	L	177.8	190.5	203.2	228.6	254.0	266.7	292.1	330.2	355.6	381.0	406.4
	H	356	415	468	565	647	762	1065	1285	1480	1523	1740

Remark : 1. The name plate shall be specified by purchaser as required.

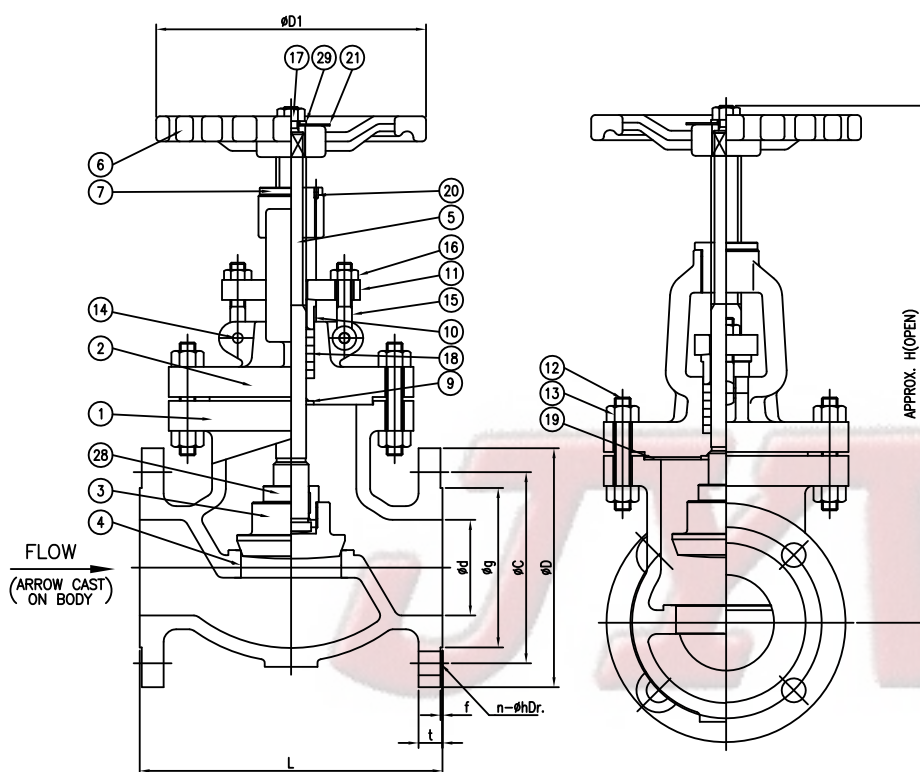
It's prohibited to copy or transcribe arbitrarily.

Cast Nickel Aluminum Bronze ANSI Valves

■ CLASS 150 Globe Valves (Bolted Bonnet) OS & Y

API 600

Bolted Bonnet Integral seat
Rising Stem Flanged Ends



NO.	PARTS	MATERIAL
1	BODY	ASTM B148-C95800
2	BONNET	ASTM B148-C95800
3	DISC	ASTM B148-C95800
4	SEAT	INTERGRAL
5	STEM	ASTM B150-C63000
6	HANDWHEEL	CAST IRON / ASTM B126
7	YORK SLEEVE	BRASS
9	BACK SEAT	INTERGRAL
10	GRAND BUSH	INTERGRAL
11	GRAND PLATE	BRONZE
12	BONNET BOLT	STAINLESS STEEL
13	BONNET NUT	STAINLESS STEEL
14	EYE BOLT PIN	BRASS / A276-304
15	EYE BOLT	STAINLESS STEEL
16	EYE BOLT NUT	STAINLESS STEEL
17	WHEEL NUT	STAINLESS STEEL
18	GRAND PACKING	NON ASBESTOS
19	GASKET	NON ASBESTOS
20	SET SCREW	STAINLESS STEEL
21	NAME PLATE	ALUMNUM
28	DISC GRAND	ASTM B150-C63000
29	WASHER	STEEL

Test Pressure (Psi)

Rating	ANSI 150#
Size	2" to 16"
Hydrostatic press test (Shell)	450
Hydrostatic press test (Seat)	325

1. HYDRO TEST : API598
2. FACE TO FACE : ANSI B16.10
3. FLANGE : ANSI B16.5
4. " f" dimension : 1.6mm

Dimension Table

(Unit : mm)

Rating	Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
ANSI 150#	d	50	65	80	100	125	150	200	250	300	335	380
	D	152	178	191	229	254	279	343	406	483	533	597
	C	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8
	g	91.9	104.6	127	157.2	185.7	215.9	269.7	323.9	381	412.8	469.9
	t	15.8	17.6	19.1	23.9	23.9	25.4	28.5	30.3	31.8	35.1	36.6
	N-øh	4-19	4-19	4-19	8-19	8-23	8-23	8-23	12-26	12-26	12-29	16-29
	L	203.2	215.9	241.3	292.1	355.6	406.4	495.3	622.3	698.5	787.0	914.4
	H	275	290	320	350	400	440	560	670	740	1050	1590

Remark : 1. The name plate shall be specified by purchaser as required.

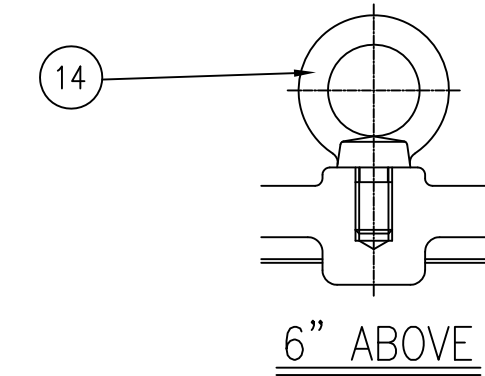
It's prohibited to copy or transcribe arbitrarily.

Cast Nickel Aluminum Bronze ANSI Valves

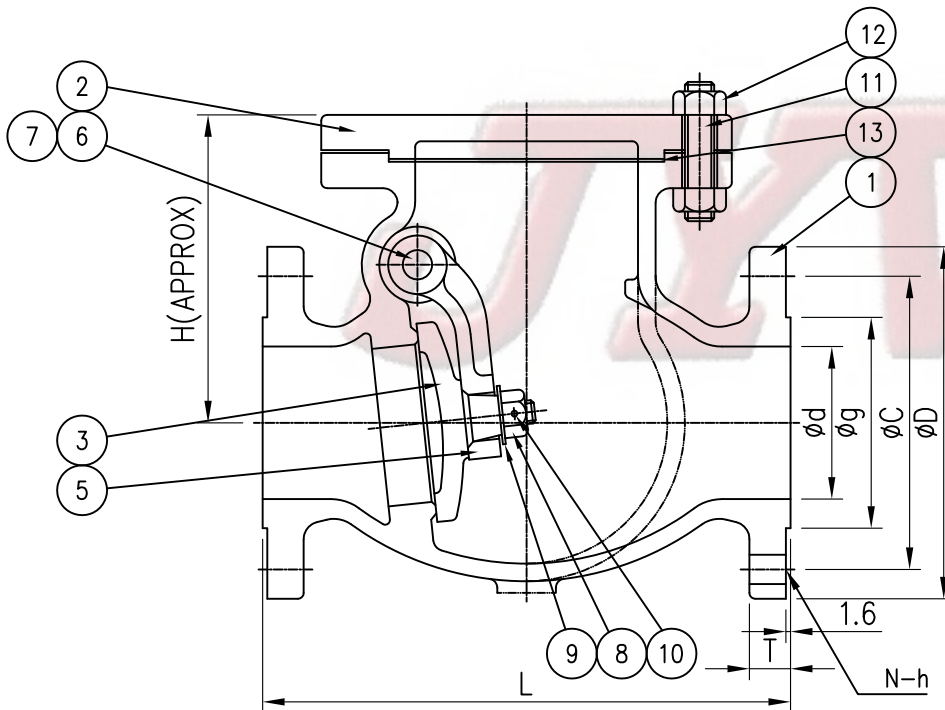
■ CLASS 150 Swing Check Valves (Bolted Bonnet)

API 600

Bolted Bonnet Integral seat



NO.	PARTS	MATERIAL
1	BODY	ASTM B148-C95800
2	BONNET	ASTM B148-C95800
3	DISC	ASTM B148-C95800
4	SEAT	INTERGRAL
5	ARM	ASTM B148-C95800
6	HINGE PIN	STAINLESS STEEL
7	PLUG	BRASS /STAINLESS STEEL
8	DISC LOCK NUT	STAINLESS STEEL
9	WASHER	STAINLESS STEEL
10	SPLIT PIN	STAINLESS STEEL
11	BONNET BOLT	STAINLESS STEEL
12	BONNET NUT	STAINLESS STEEL
13	GASKET	NON ASBESTOS
14	EYE BOLT	STAINLESS STEEL



Test Pressure (Psi)

Rating	ANSI 150#
Size	2" to 16"
Hydrostatic press test (Shell)	450
Hydrostatic press test (Seat)	325

1. HYDRO TEST : API598
2. FACE TO FACE : ANSI B16.10
3. FLANGE : ANSI B16.5

Dimension Table

(Unit : mm)

Rating	Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
ANSI 150#	d	50	65	80	100	125	150	200	250	300	335	380
	D	152	178	191	229	254	279	343	406	483	533	597
	C	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8
	g	91.9	104.6	127	157.2	185.7	215.9	269.7	323.9	381	412.8	469.9
	t	15.8	17.6	19.1	23.9	23.9	25.4	28.5	30.3	31.8	35.1	36.6
	N-øh	4-19	4-19	4-19	8-19	8-23	8-23	8-23	12-26	12-26	12-29	16-29
	L	203.2	215.9	241.3	292.1	330.2	355.6	495.3	622.3	698.5	787.0	864
	H	115	129	137	161	188	206	247	368	450	459	526

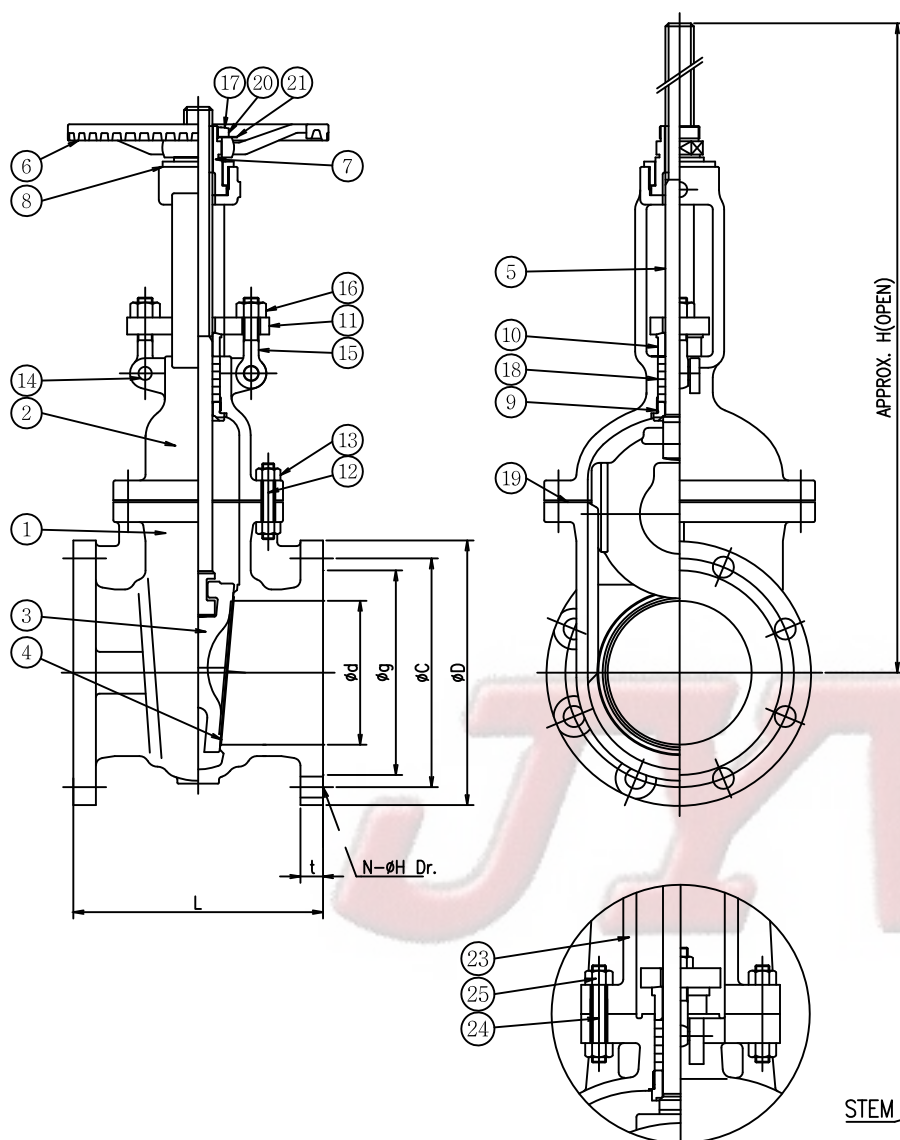
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Nickel Aluminum Bronze ANSI Valves

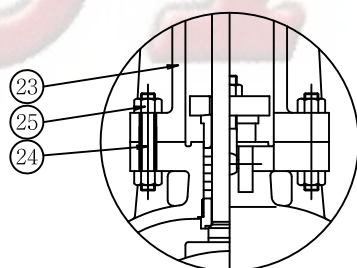
■ CLASS 150 Gate Valves (Bolted Bonnet) OS & Y

API 600

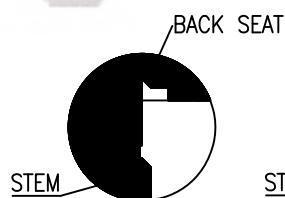


Bolted Bonnet Flexible seat
Rising Stem Flanged Ends

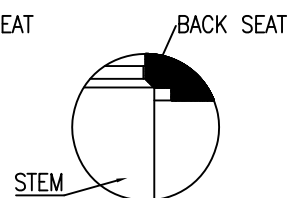
NO.	PARTS	MATERIAL
1	BODY	ASTM B148-C95800
2	BONNET	ASTM B148-C95800
3	DISC (FLEXIBLE)	ASTM B148-C95800
4	SEAT	INTERGRAL
5	STEM	ASTM B150-C63000
6	HANDWHEEL	CAST IRON / ASTM B126
7	YORK SLEEVE	BRASS
8	SLEEVE GRAND	BRASS
9	GUIDE BUSH	INTEGRAL
10	GRAND BUSH	INTEGRAL
11	PACKING GLAND	BRONZE
12	BONNET BOLT	STAINLESS STEEL
13	BONNET NUT	STAINLESS STEEL
14	EYE BOLT PIN	BRASS / A276-304
15	EYE BOLT	STAINLESS STEEL
16	EYE BOLT NUT	STAINLESS STEEL
17	WHEEL NUT	BRASS
18	GRAND PACKING	NON ASBESTOS
19	GASKET	NON ASBESTOS
20	SET SCREW	STAINLESS STEEL
21	NAME PLATE	ALUMNUM
23	YORK	BRONZE / ASTM B62
24	YORK BOLT	STAINLESS STEEL
25	YORK BOLT NUT	STAINLESS STEEL



SEPARATE YOKE TYPE
8" AND OVER



STEM



STEM

Test Pressure (Psi)

Rating	ANSI 150#
Size	2" to 16"
Hydrostatic press test (Shell)	450
Hydrostatic press test (Seat)	325

1. HYDRO TEST : API598
2. FACE TO FACE : ANSI B16.10
3. FLANGE : ANSI B16.5

Dimension Table

(Unit : mm)

Rating	Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
ANSI 150#	d	50	65	80	100	125	150	200	250	300	335	380
	D	152	178	191	229	254	279	343	406	483	533	597
	C	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8
	g	91.9	104.6	127	157.2	185.7	215.9	269.7	323.9	381	412.8	469.9
	t	15.8	17.6	19.1	23.9	23.9	25.4	28.5	30.3	31.8	35.1	36.6
	N-øh	4-19	4-19	4-19	8-19	8-23	8-23	8-23	12-26	12-26	12-29	16-29
	L	177.8	190.5	203.2	228.6	254.0	266.7	292.1	330.2	355.6	381.0	406.4
	H	356	415	468	565	647	762	1065	1285	1480	1523	1740

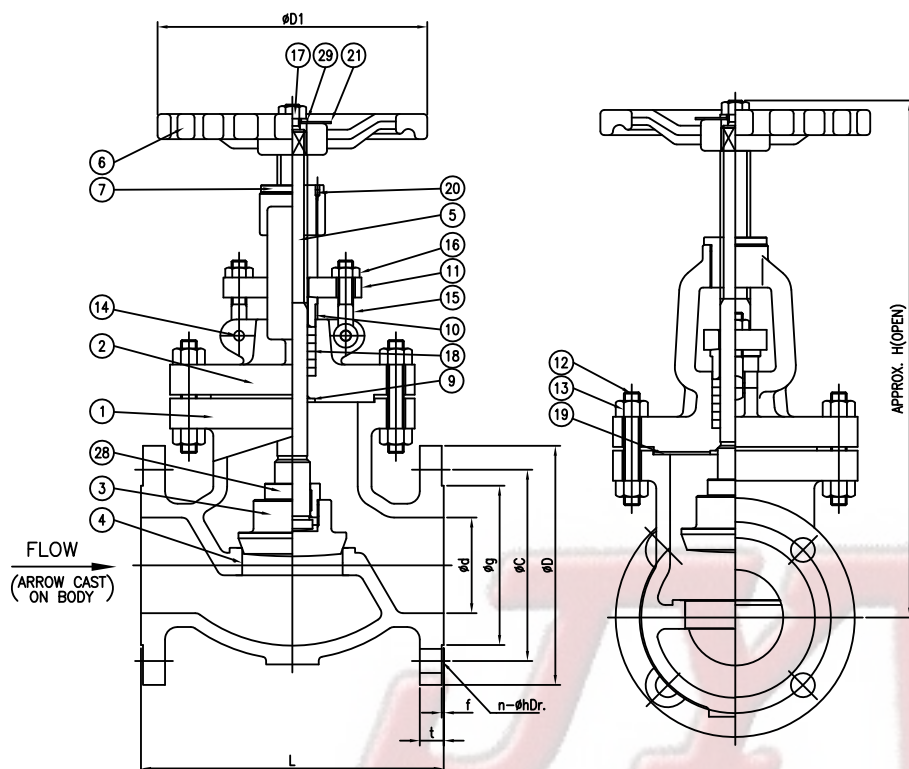
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Stainless Steel ANSI Valves

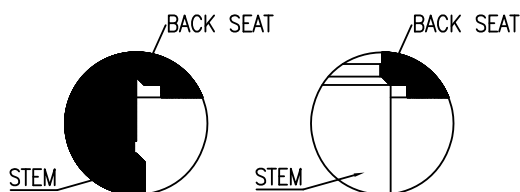
■ CLASS 150 Globe Valves (Bolted Bonnet) OS & Y

API 600



Bolted Bonnet Intergral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	ASTM A351 Gr. CF8M
2	BONNET	ASTM A351 Gr. CF8M
3	DISC	ASTM A351 Gr. CF8M
4	SEAT	INTERGRAL
5	STEM	ASTM A276 Gr. 316
6	HANDWHEEL	CAST IRON / ASTM B126
7	YORK SLEEVE	BRASS
9	BACK SEAT	INTERGRAL
10	GRLAND BUSH	INTERGRAL
11	GRAND PLATE	STAINLESS STEEL
12	BONNET BOLT	STAINLESS STEEL
13	BONNET NUT	STAINLESS STEEL
14	EYE BOLT PIN	STAINLESS STEEL
15	EYE BOLT	STAINLESS STEEL
16	EYE BOLT NUT	STAINLESS STEEL
17	WHEEL NUT	STAINLESS STEEL
18	GRAND PACKING	NON ASBESTOS
19	GASKET	NON ASBESTOS
20	SET SCREW	STAINLESS STEEL
21	NAME PLATE	ALUMNUM
28	DISC GRAND	BRASS
29	WASHER	STEEL



Test Pressure (Psi)

Rating	ANSI 150#
Size	2" to 16"
Hydrostatic press test (Shell)	450
Hydrostatic press test (Seat)	325

1. HYDRO TEST : API598
2. FACE TO FACE : ANSI B16.10
3. FLANGE : ANSI B16.5
4. " f" dimension : 1.6mm

Dimension Table (Unit : mm)

Rating	Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
ANSI 150#	d	50	65	80	100	125	150	200	250	300	335	380
	D	152	178	191	229	254	279	343	406	483	533	597
	C	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8
	g	91.9	104.6	127	157.2	185.7	215.9	269.7	323.9	381	412.8	469.9
	t	15.8	17.6	19.1	23.9	23.9	25.4	28.5	30.3	31.8	35.1	36.6
	N-øh	4-19	4-19	4-19	8-19	8-23	8-23	8-23	12-26	12-26	12-29	16-29
	L	203.2	215.9	241.3	292.1	355.6	406.4	495.3	622.3	698.5	787.0	914.4
	H	275	290	320	350	400	440	560	670	740	1050	1590

Remark : 1. The name plate shall be specified by purchaser as required.

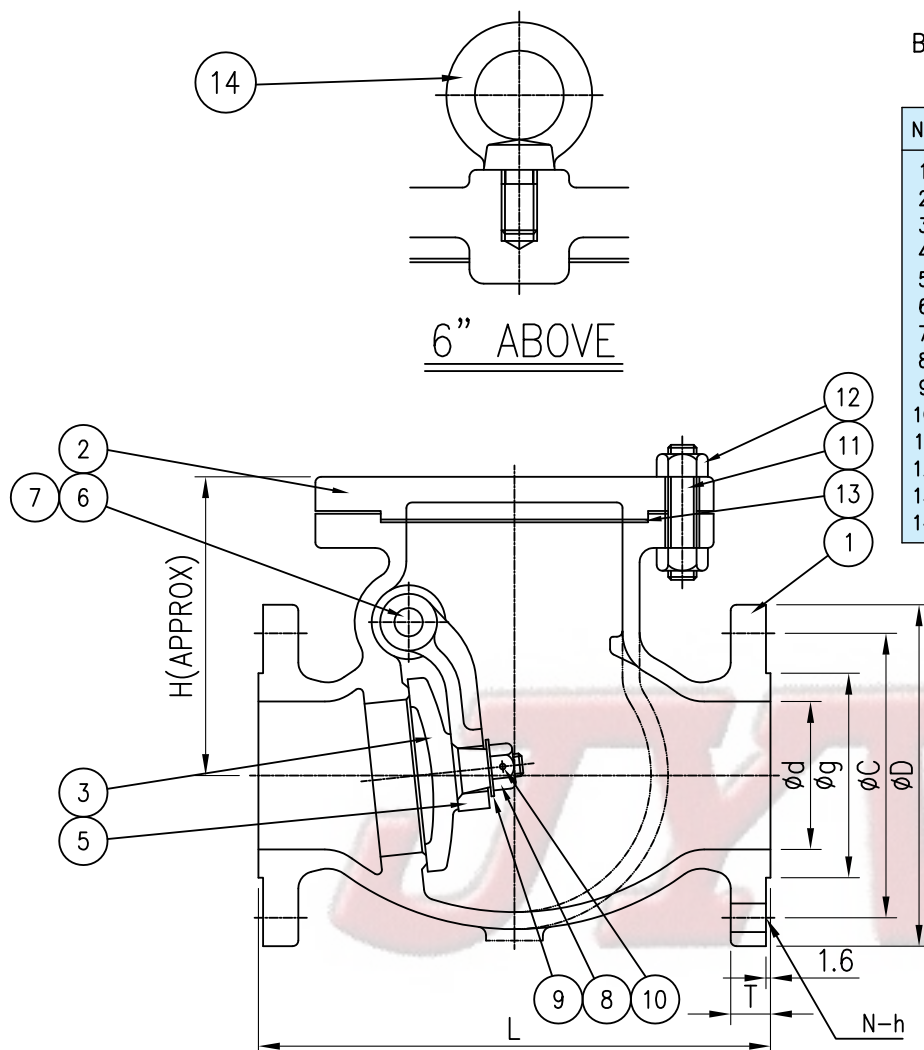
It's prohibited to copy or transcribe arbitrarily.



Cast Stainless Steel ANSI Valves

CLASS 150 Swing Check Valves (Bolted Bonnet)

API 600



Bolted Bonnet Integral seat

NO.	PARTS	MATERIAL
1	BODY	ASTM A351 Gr. CF8M
2	BONNET	ASTM A351 Gr. CF8M
3	DISC	ASTM A351 Gr. CF8M
4	SEAT	INTERGRAL
5	ARM	ASTM A351 Gr. CF8M
6	HINGE PIN	STAINLESS STEEL
7	PLUG	STAINLESS STEEL
8	DISC LOCK NUT	STAINLESS STEEL
9	WASHER	STAINLESS STEEL
10	SPLIT PIN	STAINLESS STEEL
11	BONNET BOLT	STAINLESS STEEL
12	BONNET NUT	STAINLESS STEEL
13	GASKET	NON ASBESTOS
14	EYE BOLT	STAINLESS STEEL

Test Pressure (Psi)

Rating	ANSI 150#
Size	2" to 16"
Hydrostatic press test (Shell)	450
Hydrostatic press test (Seat)	325

1. HYDRO TEST : API598
2. FACE TO FACE : ANSI B16.10
3. FLANGE : ANSI B16.5

Dimension Table

(Unit : mm)

Rating	Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
ANSI 150#	d	50	65	80	100	125	150	200	250	300	335	380
	D	152	178	191	229	254	279	343	406	483	533	597
	C	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8
	g	91.9	104.6	127	157.2	185.7	215.9	269.7	323.9	381	412.8	469.9
	t	15.8	17.6	19.1	23.9	23.9	25.4	28.5	30.3	31.8	35.1	36.6
	N-øh	4-19	4-19	4-19	8-19	8-23	8-23	8-23	12-26	12-26	12-29	16-29
	L	203.2	215.9	241.3	292.1	330.2	355.6	495.3	622.3	698.5	787.0	864
	H	115	129	137	161	188	206	247	368	450	459	526

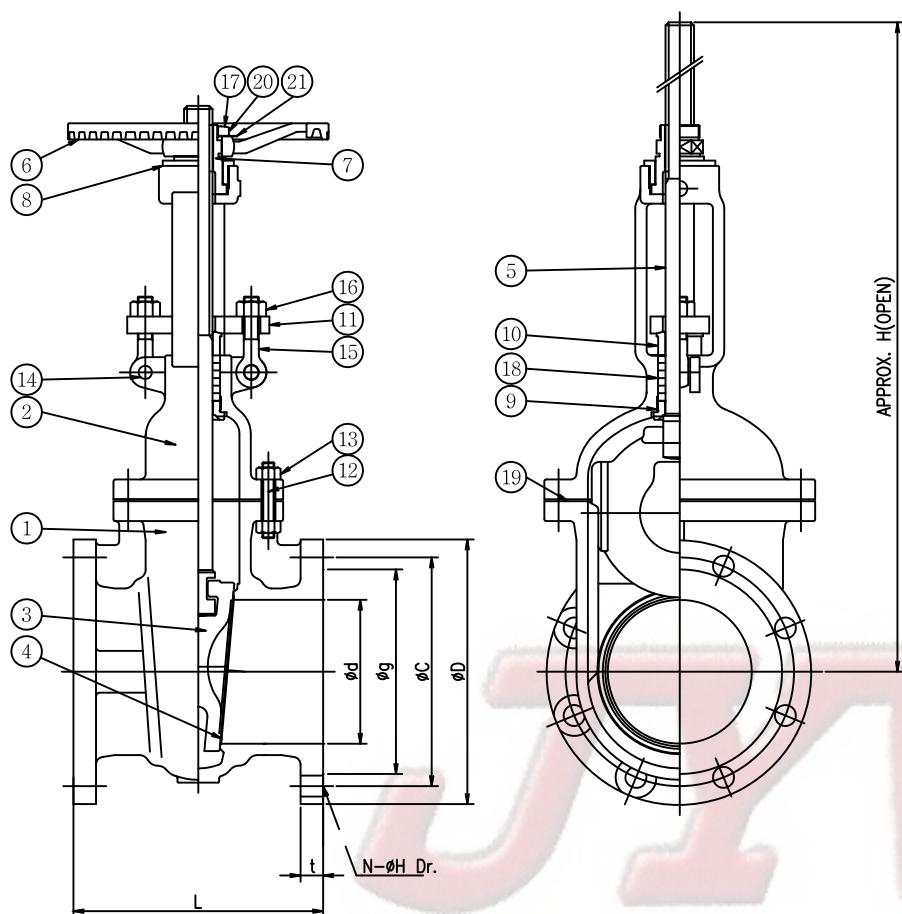
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Stainless Steel ANSI Valves

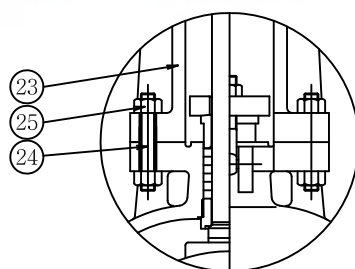
■ CLASS 150 Gate Valves (Bolted Bonnet) OS & Y

API 600

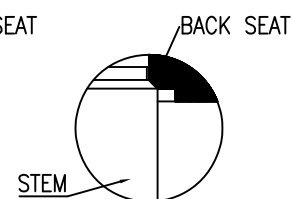
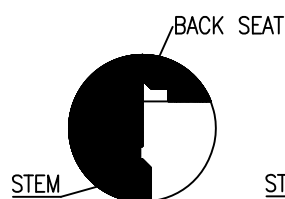


Bolted Bonnet Flexible seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	ASTM A351 Gr. CF8M
2	BONNET	ASTM A351 Gr. CF8M
3	DISC (FLEXIBLE)	ASTM A351 Gr. CF8M
4	SEAT	INTERGRAL
5	STEM	ASTM A276 Gr. 316
6	HANDWHEEL	CAST IRON / ASTM B126
7	YORK SLEEVE	BRASS
8	SLEEVE GRAND	STAINLESS STEEL
9	GUIDE BUSH	INTEGRAL
10	GRAND BUSH	INTEGRAL
11	PACKING GLAND	STAINLESS STEEL
12	BONNET BOLT	STAINLESS STEEL
13	BONNET NUT	STAINLESS STEEL
14	EYE BOLT PIN	BRASS / A276-304
15	EYE BOLT	STAINLESS STEEL
16	EYE BOLT NUT	STAINLESS STEEL
17	WHEEL NUT	BRASS
18	GRAND PACKING	NON ASBESTOS
19	GASKET	NON ASBESTOS
20	SET SCREW	STAINLESS STEEL
21	NAME PLATE	ALUMNUM
23	YORK	ASTM A351 Gr. CF8M
24	YORK BOLT	STAINLESS STEEL
25	YORK BOLT NUT	STAINLESS STEEL



SEPARATE YOKE TYPE
8" AND OVER



Test Pressure (Psi)

Rating	ANSI 150#
Size	2" to 16"
Hydrostatic press test (Shell)	450
Hydrostatic press test (Seat)	325

1. HYDRO TEST : API598
2. FACE TO FACE : ANSI B16.10
3. FLANGE : ANSI B16.5

Dimension Table

(Unit : mm)

Rating	Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
ANSI 150#	d	50	65	80	100	125	150	200	250	300	335	380
	D	152	178	191	229	254	279	343	406	483	533	597
	C	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8
	g	91.9	104.6	127	157.2	185.7	215.9	269.7	323.9	381	412.8	469.9
	t	15.8	17.6	19.1	23.9	23.9	25.4	28.5	30.3	31.8	35.1	36.6
	N-Øh	4-19	4-19	4-19	8-19	8-23	8-23	8-23	12-26	12-26	12-29	16-29
	L	177.8	190.5	203.2	228.6	254.0	266.7	292.1	330.2	355.6	381.0	406.4
	H	356	415	468	565	647	762	1065	1285	1480	1523	1740

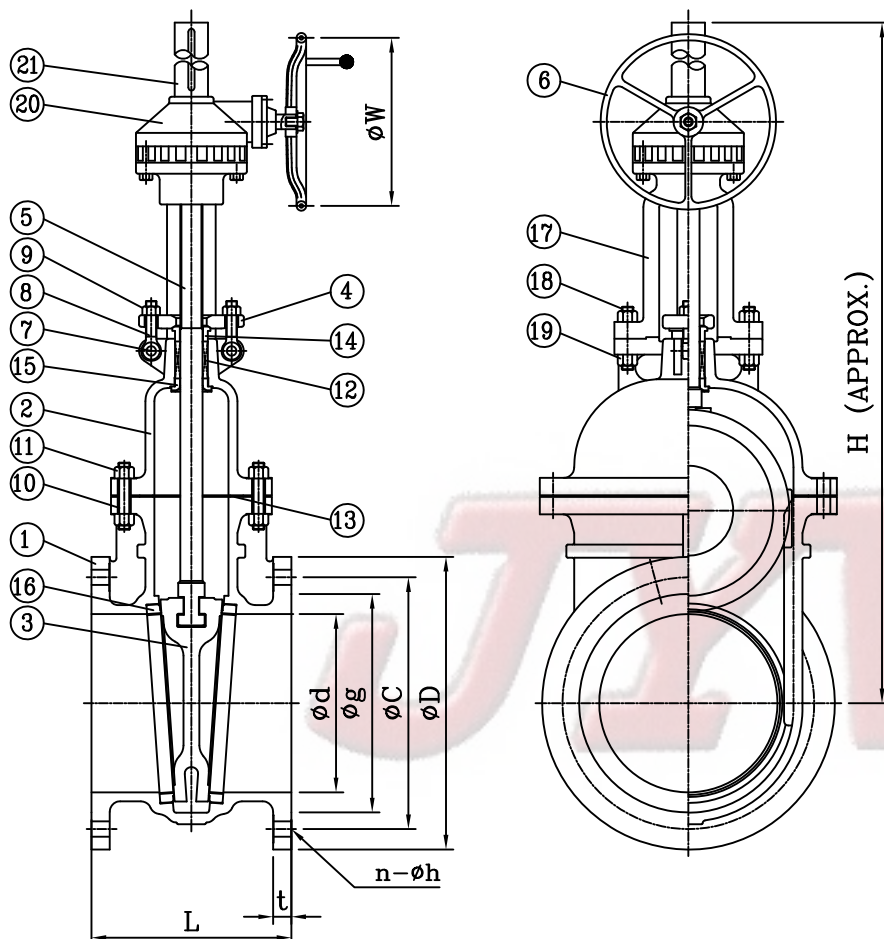
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Nickel Aluminum Bronze ANSI Valves

■ CLASS 150 Gate Valves (Bolted Bonnet) OS & Y Gear Box Type

API 600



Bolted Bonnet Flexible seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	ASTM B148-C95800
2	BONNET	ASTM B148-C95800
3	DISC (FLEXIBLE)	ASTM B148-C95800
4	PACKING GLAND	BRONZE
5	STEM	ASTM B150-C63000
6	HANDWHEEL	STEEL
7	EYE BOLT PIN	STAINLESS STEEL
8	EYE BOLT	STAINLESS STEEL
9	NUT	STAINLESS STEEL
10	BONNET BOLT	STAINLESS STEEL
11	NUT	STAINLESS STEEL
12	PACKING	NON ASBESTOS
13	GASKET	NON ASBESTOS
14	PACKING GLAND RING	ASTM B150-C63000
15	BACK SEAT RING	ASTM B150-C63000
16	SEAT RING	INTERGRAL
17	BONNET YORK	ASTM B148-C95800
18	YORK BOLT	STAINLESS STEEL
19	NUT	STAINLESS STEEL
20	GEAR BOX	DUCTILE IRON
21	GEAR BOX COVER	STEEL

Test Pressure (Psi)

Rating	ANSI 150#
Size	20" AND 24"
Hydrostatic press test (Shell)	450
Hydrostatic press test (Seat)	325

Dimension Table

[Unit : mm]

SIZE (A)	BORE d	L	F L A N G E							W	H
			D	C	g		t	h	n		
20"	480	457	698	635	584		43	32	20	460	2270
24"	580	508	813	749.5	692		48	35	20	610	2670

1. HYDRO TEST : API598
2. FACE TO FACE : ANSI B16.10
3. FLANGE : ANSI B16.5

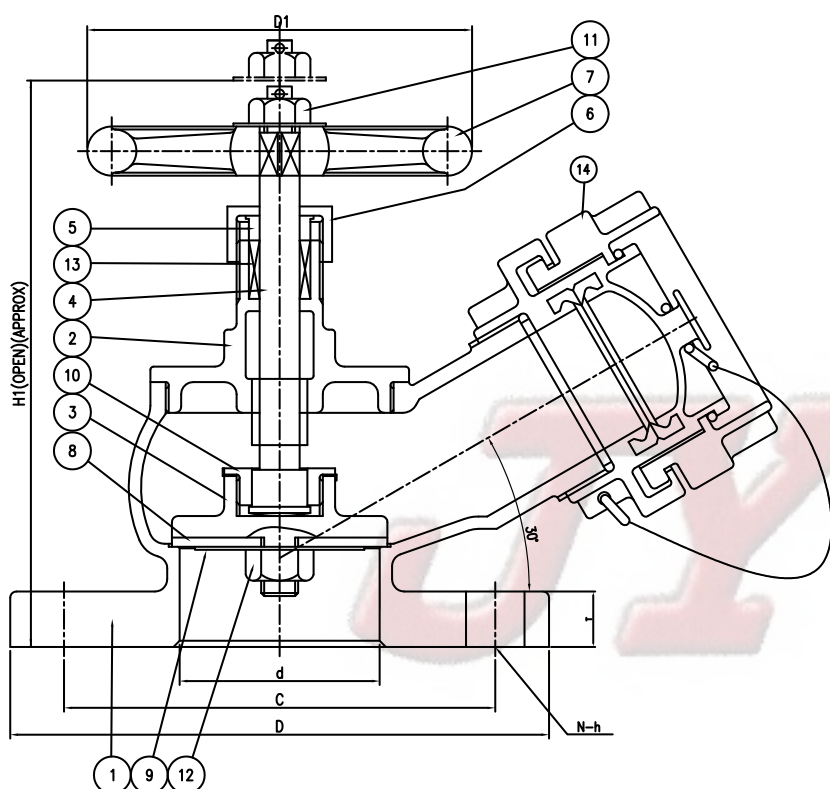
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze ANSI Valves

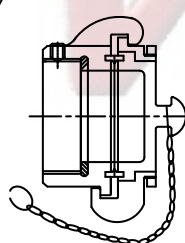
■ Class 150 Hydrant Valves 30°

JYV Hydrant

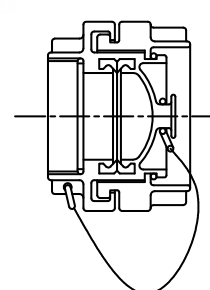


Bolted Bonnet Integral seat
Flanged Ends

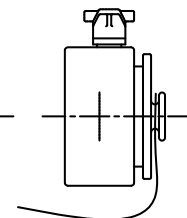
NO.	PARTS	MATERIAL
1	BODY	BRONZE / ASTM B62
2	BONNET	BRONZE / ASTM B62
3	DISC	BRONZE / BRASS
4	STEM	BRASS
5	PACKING GLAND	BRASS
6	PACKING GLAND NUT	BRASS
7	HANDWHEEL	CAST IRON
8	DISC SEAT	TEFRON
9	DISC SEAT PLATE	STAINLESS STEEL
10	DISC NUT	BRASS
11	NUT	STAINLESS STEEL
12	NUT	BRASS
13	PACKING	NON ASBESTOS
14	COUPLING	BRONZE / BRASS



(NAKAJIMA COUPLING)
40A to 65A



(STORZ COUPLING)
50A & 65A



(AB COUPLING)
65A ONLY

Test Pressure (Psi)

Rating	150#
Size	50A to 65A
Hydrostatic press test (Shell)	350
Hydrostatic press test (Seat)	225

Dimension Table (Unit : mm)

Rating	Size	d	H1	D1	FLANGE			
					D	C	t	n-h
150#	2	50	220	125	165	125	16	4-18
	2 1/2	65	245	140	185	145	16	4-18

Remark : 1. The name plate shall be specified by purchaser as required.

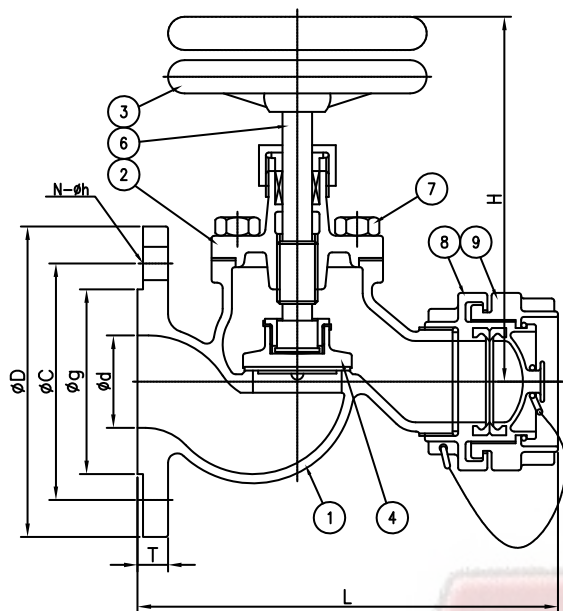
It's prohibited to copy or transcribe arbitrarily.



Cast Bronze ANSI Valves

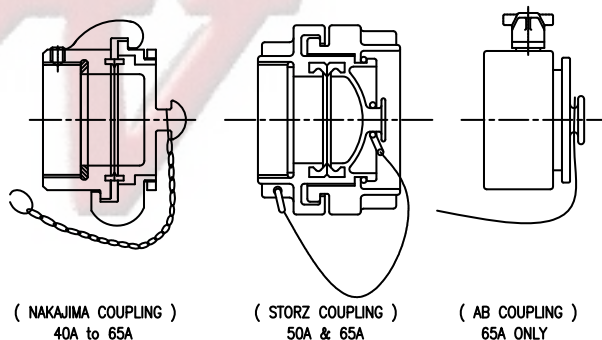
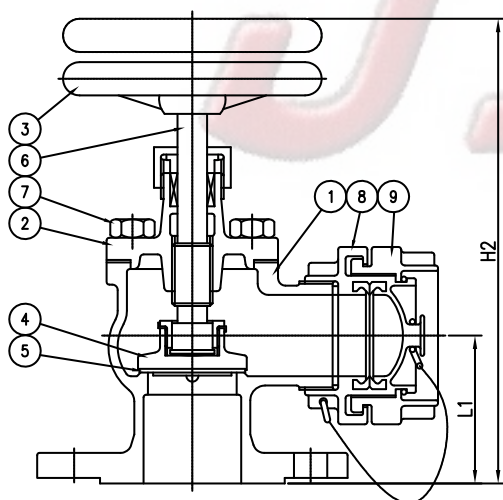
■ Class 150 Hydrant Valves

Ref DIN86211



Bolted Bonnet Integral seat
Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / ASTM B62
2	BONNET	BRONZE / ASTM B62
3	HANDWHEEL	CAST IRON
4	DISC	BRONZE
5	SEAT	INTEGRAL
6	STEM	BRASS / ASTM B124
7	BOLT	STAINLESS STEEL
8	COUPLING BODY	BRONZE
9	COUPLING DUST	BRONZE



Test Pressure (Psi)

Rating	150#
Size	40A to 65A
Hydrostatic press test (Shell)	350
Hydrostatic press test (Seat)	225

Dimension Table

(Unit : mm)

Rating	Size	d	L	L1	H	H2	FLANGE				
							D	C	g	t	n-h
150#	1 1/2	40	165	75	170	165	127	98.4	73	16	4-18
	2	50	222	75	175	235	165	125	102	16	4-18
	2 1/2	65	260	90	205	265	185	145	122	16	4-18

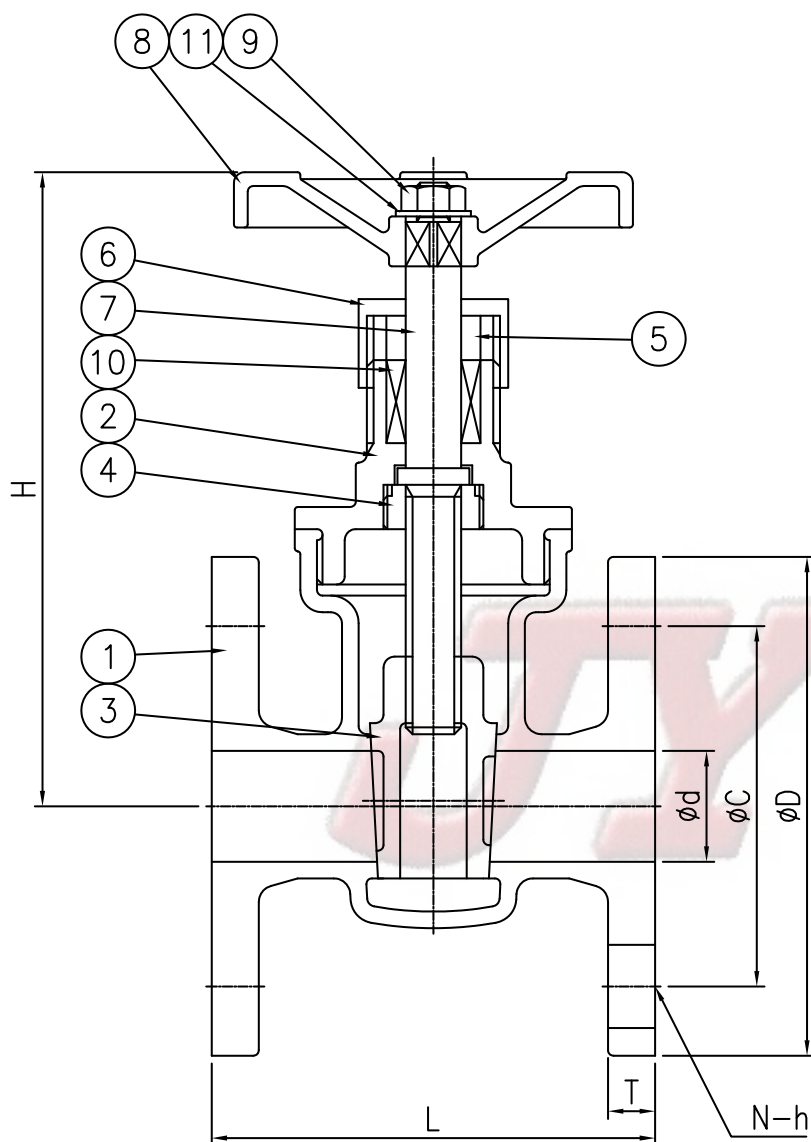
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze ANSI Valves

■ CLASS 150 Gate Valves (Screw Bonnet) Non Rising Stem

MSS-SP-80



NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	BONNET	BRONZE
3	DISC	BRONZE
4	RING	BRASS
5	PACKING GLAND	BRASS
6	GLAND NUT	BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HANDLE NUT	STEEL
10	PACKING	NON ASBESTOS
11	WASHER	STEEL

Test Pressure (Psi)

MSS-SP-80

Rating	150Psi
Hydrostatic press test (Shell)	350Psi
Hydrostatic press test (Seat)	225Psi

Dimension Table (Unit : mm)

Rating	Size	d	L	FLANGE				H
				D	C	N-h	T	
150LB (ANSI B16.5)	1/2	15	108	89	60.5	4-16	11.2	113
	3/4	20	117.3	99	70	4-16	12.7	117
	1	25	127	108	79.5	4-16	14.3	120
	1 1/4	32	165.1	117	89	4-16	15.9	135
	1 1/2	40	165.1	127	98.5	4-16	17.3	146
	2	50	177.8	152	120.5	4-19	17.3	179
	2 1/2	65	190.5	178	139.5	4-19	19.1	210
	3	80	203.2	190	152.5	8-19	20.7	242
	4	100	228.6	228	190.5	8-19	25.5	284

Flange face to face ; ANSI B16.10

It's prohibited to copy or transcribe arbitrarily.



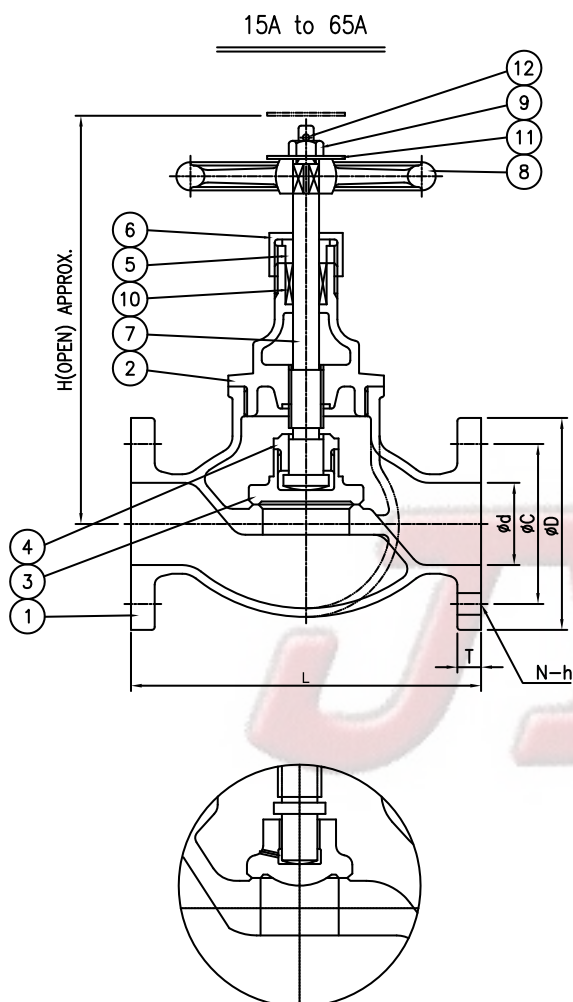
Cast Bronze ANSI Valves

■ CLASS 150 Globe Valves (Screw Bonnet)

MSS-SP-80

■ CLASS 150 Globe Screw-Down Check Valves (Screw Bonnet)

MSS-SP-80



Screw Down Non Return
(SDNR)

NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	BONNET	BRONZE / BRASS
3	DISC	BRONZE / BRASS
4	DISC NUT	BRONZE / BRASS
5	PACKING GLAND	BRONZE / BRASS
6	GLAND NUT	BRONZE / BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HANDLE NUT	STEEL
10	PACKING	NON ASBESTOS
11	WASHER	STEEL
12	SPLIT PIN	BRASS

Test Pressure (Psi)

MSS-SP-80

Rating	150Psi
Hydrostatic press test (Shell)	350Psi
Hydrostatic press test (Seat)	225Psi

Dimension Table (Unit : mm)

Rating	Size	d	L	FLANGE				H
				D	C	N-h	T	
150LB (ANSI B16.5)	1/2	15	108	89	60.5	4-16	11.2	76
	3/4	20	117.3	99	70	4-16	12.7	94
	1	25	127	108	79.5	4-16	14.3	110
	1 1/4	32	165.1	117	89	4-16	15.9	122
	1 1/2	40	165.1	127	98.5	4-16	17.3	122
	2	50	203.2	152	120.5	4-19	17.3	147
	2 1/2	65	215.9	178	139.5	4-19	19.1	166
	3	80	241.3	190	152.5	8-19	20.7	199
	4	100	292.1	228	190.5	8-19	25.5	220

Flange face to face ; ANSI B16.10

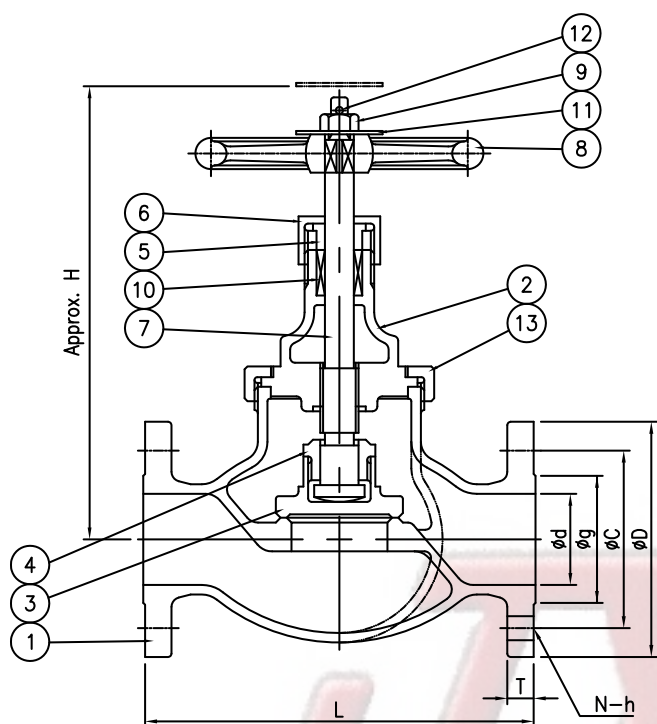
Cast Bronze ANSI Valves

■ CLASS 300 Globe Valves (Union Bonnet)

Ref JIS F7348

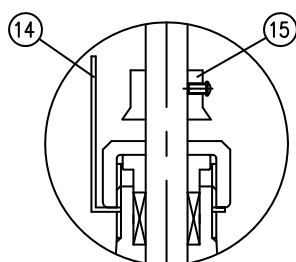
■ CLASS 300 Globe Screw-Down Check Valves (Union Bonnet)

Ref JIS F7413

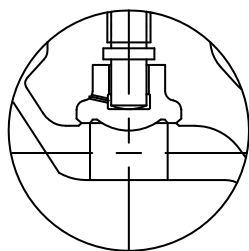


Union Bonnet Integral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	BONNET	BRONZE / BRASS
3	DISC	BRASS
4	DISC NUT	BRASS
5	PACKING GLAND	BRASS
6	GLAND NUT	BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HANDLE NUT	STEEL
10	PACKING	NON ASBESTOS
11	WASHER	STEEL
12	SPLIT PIN	BRASS
13	BONNET NUT	BRONZE
14	INDICATOR PLATE	BRASS
15	INDICATOR PIECE	BRASS



Indicator



Screw Down Non Return
(SDNR)

Test Pressure (Psi)

Rating	ANSI 300#
Size	1/2" to 2"
Hydrostatic press test (Shell)	750
Hydrostatic press test (Seat)	500

Dimension Table

(Unit : mm)

Rating	Size	d	D	C	g	t	N-Øh	L	H
ANSI 300#	1/2"	15	95	66.5	35.1	14.3	4-16	110	155
	3/4"	20	117	82.6	42.9	15.9	4-19	120	165
	1"	25	124	88.9	50.8	17.5	4-19	130	185
	1 1/4"	32	133	98.6	63.5	19.1	4-19	160	195
	1 1/2"	40	155	114.3	73.2	20.7	4-22	180	210
	2"	50	165	127	91.9	22.3	8-19	180	210

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.



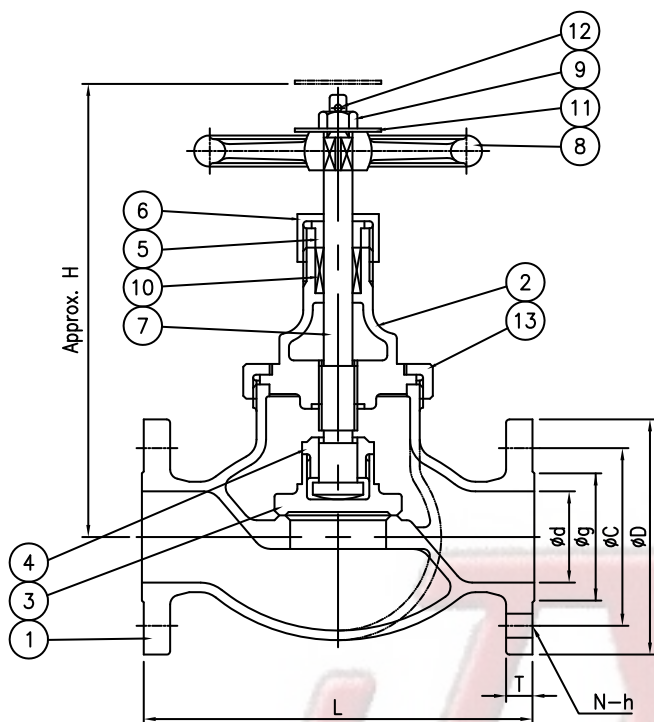
Cast Bronze ANSI Valves

■ CLASS 150 Globe Valves (Union Bonnet)

Ref JIS F7348

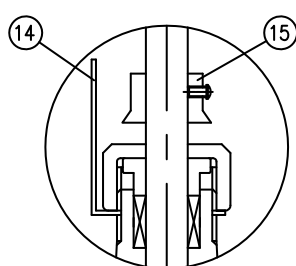
■ CLASS 150 Globe Screw-Down Check Valves (Union Bonnet)

Ref JIS F7413

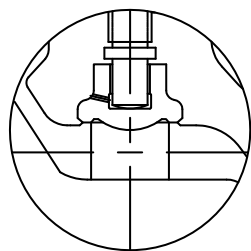


Union Bonnet Integral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / ASTM B62
2	BONNET	BRONZE / ASTM B62
3	DISC	BRASS
4	DISC NUT	BRASS
5	PACKING GLAND	BRASS
6	GLAND NUT	BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HANDLE NUT	STEEL
10	PACKING	NON ASBESTOS
11	WASHER	STEEL
12	SPLIT PIN	BRASS
13	BONNET NUT	BRONZE
14	INDICATOR PLATE	BRASS
15	INDICATOR PIECE	BRASS



Indicator



Screw Down Non Return
(SDNR)

Test Pressure (Psi)

Rating	ANSI 150#
Size	1/2" to 2"
Hydrostatic press test (Shell)	350
Hydrostatic press test (Seat)	225

Dimension Table

(Unit : mm)

Rating	Size	d	D	C	g	t	N- ϕ h	L	H
ANSI 300#	1/2"	15	89	60.5	35.1	12	4-16	110	130
	3/4"	20	98	70	42.9	14	4-16	120	140
	1"	25	108	79.5	50.8	14	4-16	130	160
	1 1/4"	32	118	89	63.5	16	4-16	160	170
	1 1/2"	40	127	98.6	73.2	16	4-16	180	190
	2"	50	152	120.5	91.9	16	4-19	180	210

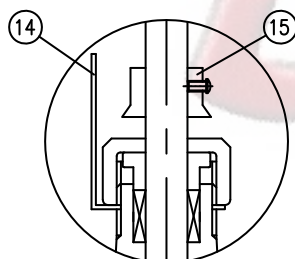
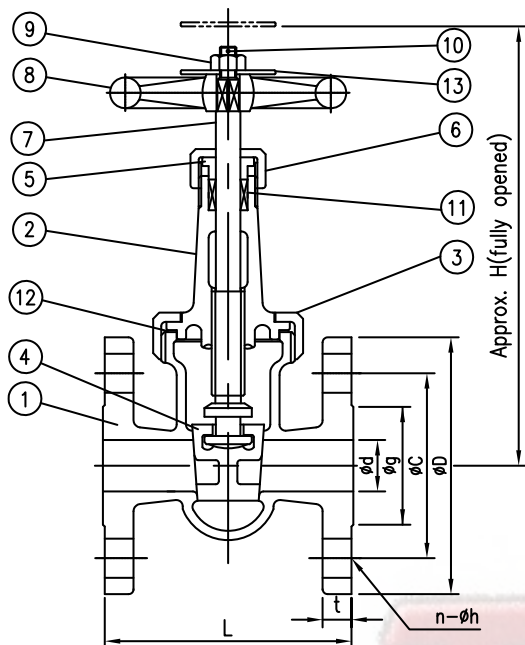
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze ANSI Valves

■ CLASS 150 Gate Valves (Union Bonnet)

Ref JIS F7368



Indicator

Union Bonnet Integral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / ASTM B62
2	BONNET	BRONZE / ASTM B62
3	BONNET NUT	BRONZE / ASTM B62
4	DISC	BRONZE / ASTM B62
5	PACKING GLAND	BRASS
6	PACKING GLAND NUT	BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HEXAGON NUT	STAINLESS STEEL
10	SPLIT PIN	BRASS
11	PACKING	NON ASBESTOS
12	GASKET	NON ASBESTOS
13	WASHER	STAINLESS STEEL
14	INDICATOR PLATE	BRASS
15	INDICATOR PIECE	BRASS

Test Pressure (Psi)

Rating	ANSI 150#
Size	1/2" to 2"
Hydrostatic press test (Shell)	350
Hydrostatic press test (Seat)	225

Dimension Table (Unit : mm)

Rating	Size	d	D	C	g	t	N-øh	L	H
ANSI 150#	1/2"	15	89	60.5	35.1	12	4-16	100	175
	3/4"	20	99	70	42.9	14	4-16	110	200
	1"	25	108	79.5	50.8	14	4-16	120	220
	1 1/4"	32	117	89	63.5	16	4-16	140	250
	1 1/2"	40	127	98.6	73.2	16	4-16	150	290
	2	50	152	120.5	91.9	16	4-19	160	310

Remark : 1. The name plate shall be specified by purchaser as required.

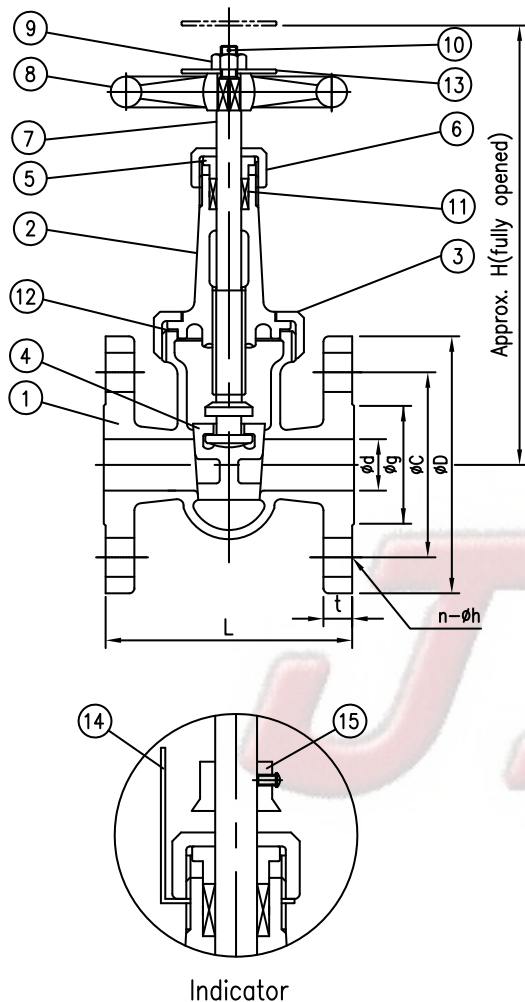
It's prohibited to copy or transcribe arbitrarily.



Cast Bronze ANSI Valves

■ CLASS 300 Gate Valves (Union Bonnet)

Ref JIS F7368



Union Bonnet Integral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / ASTM B62
2	BONNET	BRONZE / ASTM B62
3	BONNET NUT	BRONZE / ASTM B62
4	DISC	BRONZE / ASTM B62
5	PACKING GLAND	BRASS
6	PACKING GLAND NUT	BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HEXAGON NUT	STAINLESS STEEL
10	SPLIT PIN	BRASS
11	PACKING	NON ASBESTOS
12	GASKET	NON ASBESTOS
13	WASHER	STAINLESS STEEL
14	INDICATOR PLATE	BRASS
15	INDICATOR PIECE	BRASS

Test Pressure (Psi)

Rating	ANSI 300#
Size	1/2" to 2"
Hydrostatic press test (Shell)	750
Hydrostatic press test (Seat)	500

Dimension Table (Unit : mm)

Rating	Size	d	D	C	g	t	N-øh	L	H
ANSI 300#	1/2"	15	95	66.5	35.1	14.3	4-16	100	175
	3/4"	20	117	82.6	42.9	15.9	4-19	115	200
	1"	25	124	88.9	50.8	17.5	4-19	125	220
	1 1/4"	32	133	98.6	63.5	19.1	4-19	145	250
	1 1/2"	40	156	114.3	73.2	20.7	4-22	160	290
	2"	50	165	127	91.9	22.3	8-19	170	310

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

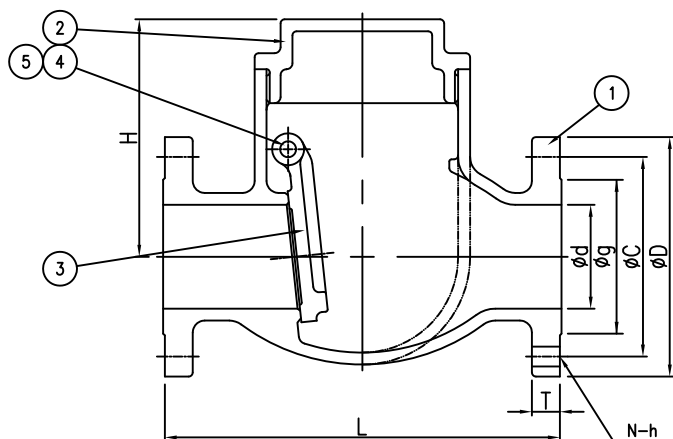
Cast Bronze ANSI Valves

■ CLASS 150 Swing Check Valves (Screw Bonnet)

Ref JIS F7371

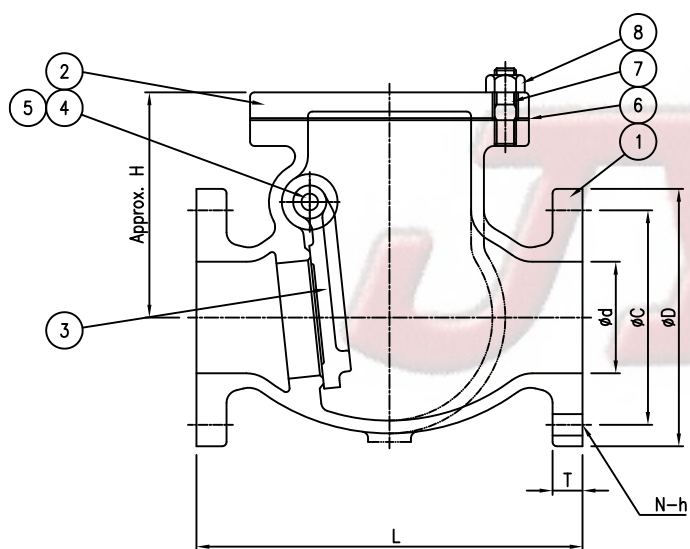
■ CLASS 150 Swing Check Valves (Bolted Bonnet)

Ref JIS F7373



Screw Bonnet Integral seat
Swing type & Disc Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / ASTM B62
2	BONNET	BRONZE / ASTM B62
3	DISC	BRONZE / ASTM B62
4	HINGE PIN	BRASS
5	PLUG	BRASS / STAINLESS STEEL
6	GASKET	NON ASBESTOS
7	BOLT	STAINLESS STEEL
8	NUT	STAINLESS STEEL



Test Pressure (Psi)

Rating	ANSI 150#
Size	1/2" to 5"
Hydrostatic press test (Shell)	350
Hydrostatic press test (Seat)	225

1. face to face ; accroding to JIS F7371,F7373

Dimension Table (Unit : mm)

Rating	Size	d	D	C	g	t	N-øh	L	H
ANSI 150#(SB)	1/2"	25	89	60.5	35.1	12	4-16	110	69
	3/4"	25	99	70	42.9	14	4-16	110	69
	1"	25	108	79.5	50.8	14	4-16	110	69
	1 1/4"	32	117	89	63.5	16	4-16	130	79
	1 1/2"	40	127	98.6	73.2	16	4-16	140	93
ANSI 150#(BB)	2"	50	152	120.5	91.9	16	4-19	210	109
	2 1/2"	65	178	139.7	104.6	18	4-19	240	126
	3"	80	190	152.4	127	18	4-19	270	136
	4"	100	228	190.5	157.2	18	8-19	300	153
	5"	125	254	215.9	185.7	24	8-23	350	180

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.



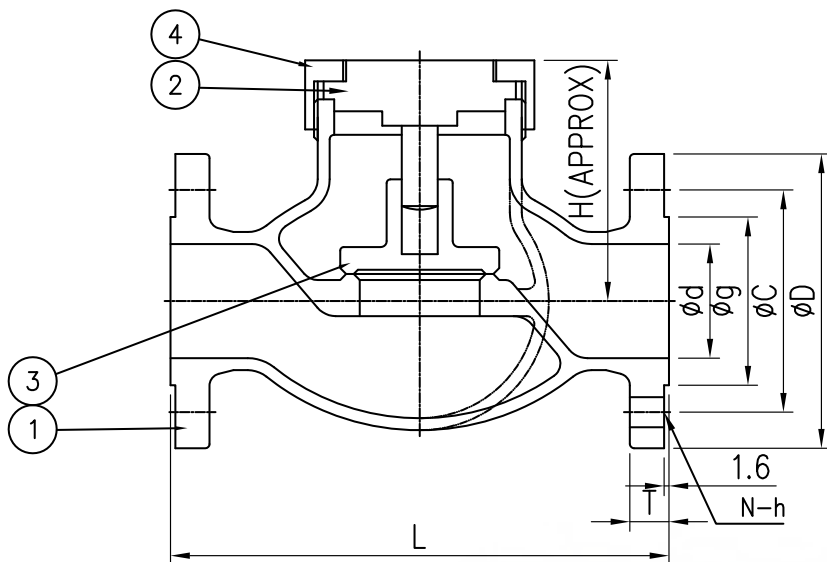
Cast Bronze ANSI Valves

■ CLASS 150 Lift Check Valves (Union Bonnet)

Ref JIS F7417

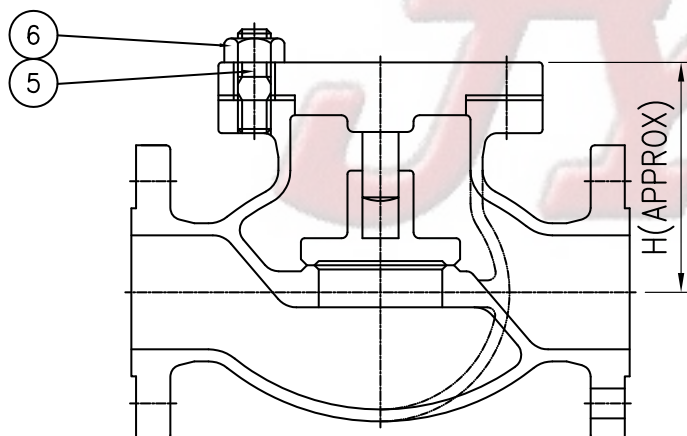
■ CLASS 150 Lift Check Valves (Bolted Bonnet)

Ref JIS F7358



Screw Bonnet Integral seat
Lift type Disc Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / ASTM B62
2	BONNET	BRASS
3	DISC	BRONZE / ASTM B62
4	UNION NUT	BRONZE
5	BOLT	STAINLESS STEEL
5	NUT	STAINLESS STEEL



Dimension Table (Unit : mm)

Rating	Size	d	D	C	g	T	N-Øh	L	H
ANSI 150#(UB)	1/2"	15	89	60.5	35.1	12	4-16	110	57
	3/4"	20	99	70	42.9	14	4-16	120	63
	1"	25	108	79.5	50.8	14	4-16	130	69
	1 1/4"	32	117	89	63.5	16	4-16	160	73
	1 1/2"	40	127	98.6	73.2	16	4-16	180	81
ANSI 150#(BB)	2"	50	152	120.5	91.9	16	4-19	220	100
	2 1/2"	65	178	139.7	104.6	18	4-19	270	115
	3"	80	190	152.4	127	18	4-19	300	125
	4"	100	228	190.5	157.2	18	8-19	350	125
	5"	125	254	215.9	185.7	24	8-23	420	160

Test Pressure (Psi)

Rating	ANSI 150#
Size	1/2" to 5"
Hydrostatic press test (Shell)	350
Hydrostatic press test (Seat)	225

1. face to face ; according to JIS F7417,F7359

Remark : 1. The name plate shall be specified by purchaser as required.

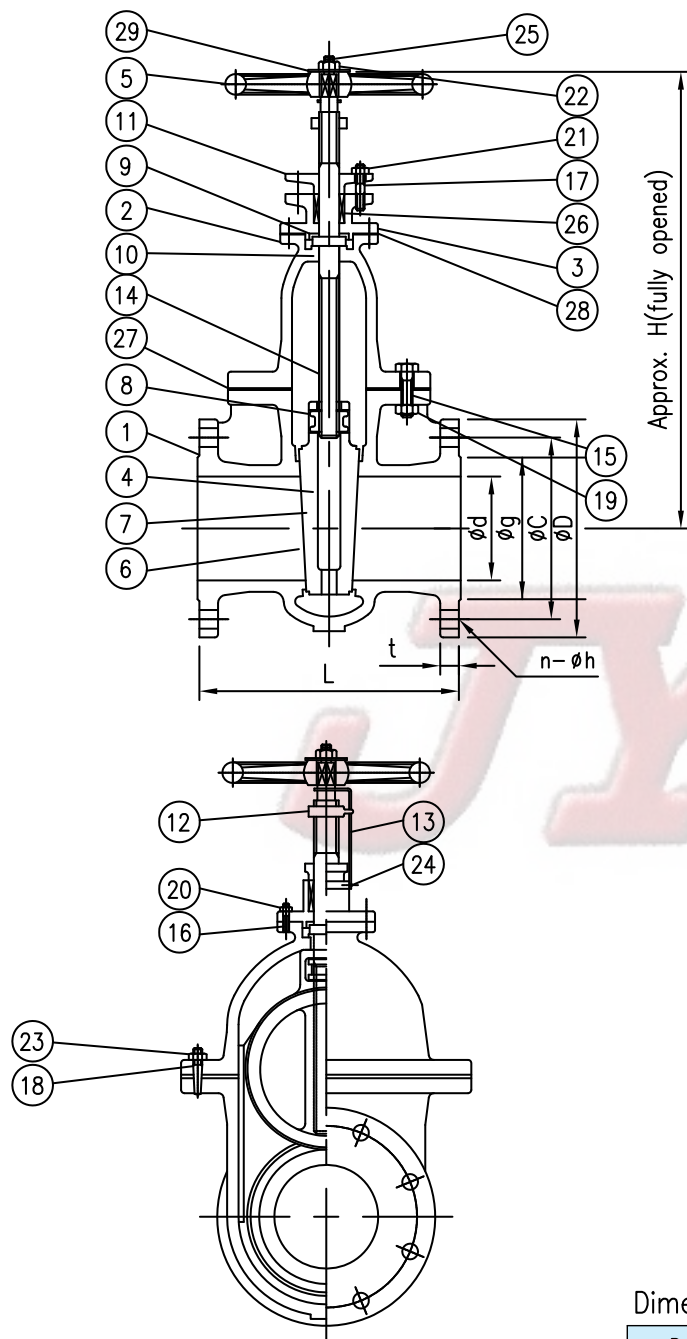
It's prohibited to copy or transcribe arbitrarily.

Cast Bronze ANSI Valves

■ CLASS 150 Gate Valves (Bolted Bonnet) Non Rising Stem

Ref JIS F7364

Bolted Bonnet Renewable seat
Non Rising Stem Flanged Ends



NO.	PARTS	MATERIAL
1	BODY	BRONZE / ASTM B62
2	BONNET	BRONZE / ASTM B62
3	STUFFING BOX	BRONZE / ASTM B62
4	DISC	BRONZE / ASTM B62
5	HANDWHEEL	CAST IRON
6	VALVE SEAT OF BODY	INTEGRAL / BRONZE
7	VALVE SEAT OF DISC	INTEGRAL / BRONZE
8	SCREWED PIECE	BRASS
9	GUIDE BUSH	INTEGRAL
10	GUIDE BUSH	INTEGRAL
11	PACKING GLAND	BRONZE
12	INDICATOR	BRASS
13	INDICATOR PLATE	BRASS
14	STEM	BRASS / ASTM B124
15	STUD BOLT	STAINLESS STEEL / BRASS
16	STUD BOLT	STAINLESS STEEL / BRASS
17	STUD BOLT	STAINLESS STEEL / BRASS
18	TAPER PIN WITH THREAD	STAINLESS STEEL
19	HEXAGON NUT	STAINLESS STEEL
20	HEXAGON NUT	STAINLESS STEEL
21	HEXAGON NUT	STAINLESS STEEL
22	HEXAGON NUT	STAINLESS STEEL
23	HEXAGON NUT	STAINLESS STEEL
24	MACHINE SCREW	BRASS
25	SPLIT PIN	BRASS
26	PACKING	NON ASBESTOS
27	GASKET	NON ASBESTOS
28	GASKET	NON ASBESTOS
29	WASHER	STEEL

Test Pressure (Psi)

Rating	ANSI 150#
Size	2" to 16"
Hydrostatic press test (Shell)	350
Hydrostatic press test (Seat)	225

Dimension Table

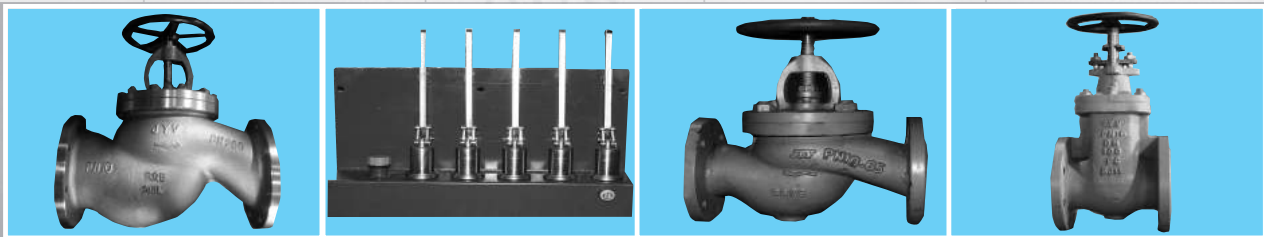
(Unit : mm)

Rating	Size	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
ANSI 150#	d	50	65	80	100	125	150	200	250	300	335	380
	D	152	178	191	229	254	279	343	406	483	533	597
	C	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8
	g	91.9	104.6	127	157.2	185.7	215.9	269.7	323.9	381	412.8	469.9
	t	16	18	20	22	24	26	28	28	30	30	32
	N-øh	4-19	4-19	4-19	8-19	8-23	8-23	8-23	12-26	12-26	12-29	16-29
	L	200	220	230	250	270	290	320	380	440	500	590
	H	300	350	400	450	520	580	700	840	960	1050	1150

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

DIN MARINE VALVE (DEUTSCHE INDUSTRIE- NORMEN)



Hydraulically remote-controlled quick-closing valves

The advantage of hydraulic remote control of the JYV quick-closing valves is that the hydraulic pump units can be installed outside the possible danger zone and thus work completely independently of the ship's supply systems.

The number of hydraulic pump units depends on the number of quick-closing valves which have to be triggered simultaneously. Generally, no more than 3 or 4 quick-closing valves should be connected to one pump unit.

To ensure perfect function of the quick-closing valves, the air must be carefully evacuated from the hydraulic piping before the system is put into service, and the system must be checked at intervals when in operation.

We recommend the use of mineral hydraulic oil with low to medium viscosity.

When installing a quick-closing valve system, care must be taken that the hydraulic pressure unit is always mounted above the level of the valves to be operated. The piping must slope gently and evenly.

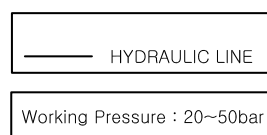
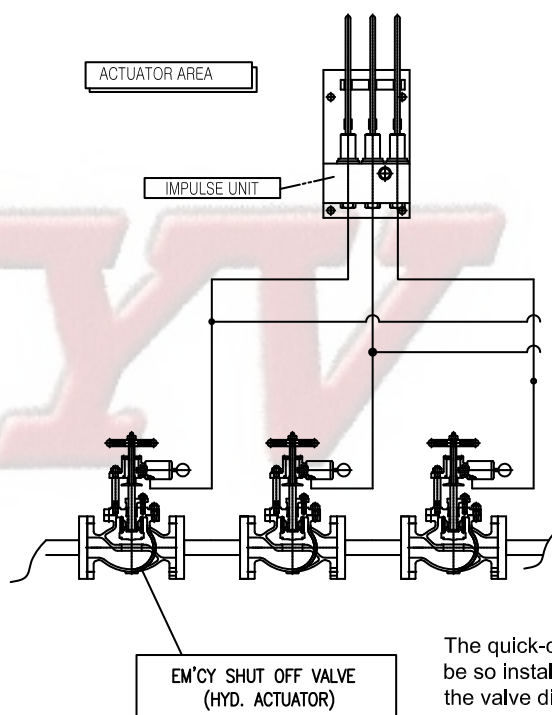
Limit switches can be provided for remote position indication.

All hydraulically controlled quick-closing valve systems are designed to customer's specifications and to the regulations of the required classification societies.

JYV quick-closing valves are characterised by their reliable and uncomplicated operation. Under normal working conditions the valves are in the open position; in emergency they close remote-controlled instantaneously. These valves are suitable for quick-closing action and for use as a manual shut-off valve by turning the handwheel. The quick-closing valve is held in the open position by the piston rod of the releasing cylinder. When the piston rod is retracted, the quick-closing valve is shut instantaneously by spring power. The closing action is triggered by manual, hydraulic or pneumatic retraction of the releasing cylinder's piston rod.

The quick-closing valve is responded by turning the handwheel to the right until the piston rod engages, and then turning handwheel back to the stop. This special design ensures easy and energy-saving manipulation of the quick-closing valve into the triggering position, particularly when large diameters are involved.

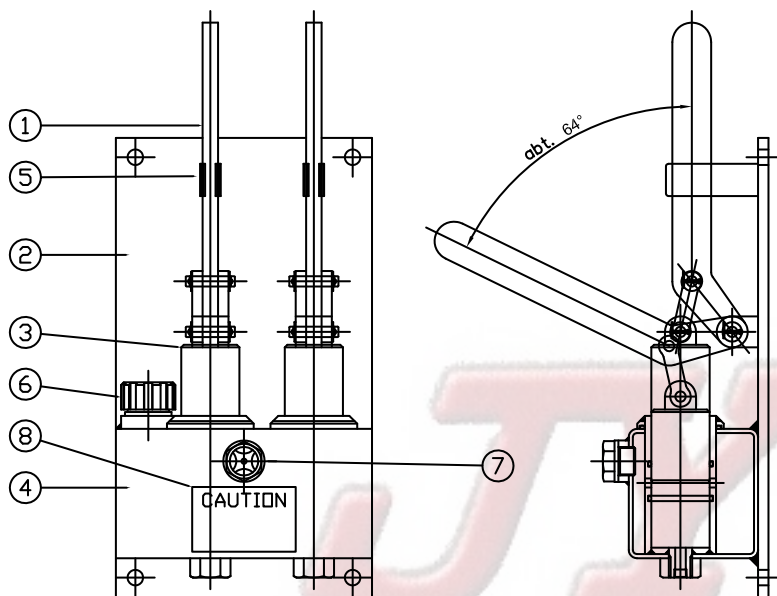
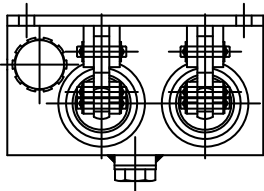
When in the range of its nominal pressure, the quick-closing valve can also be used as a shut-off valve.





Control Unit

■ Impulse Unit For Hydraulic Remote Controlled Quick Closing Valves



NO.	PARTS	MATERIAL
1	LEVER	STEEL
2	MOUNT PLATE	STEEL
3	PISTON	STAINLESS STEEL
4	HOUSING	STEEL
5	LEVER CLAMP	STEEL
6	FILLING CAP	ALUMINUM / BRASS
7	LEVEL GAUGE	GLASS
8	CAUTION PLATE	ALUMINUM

* TECHNICAL DETAILS

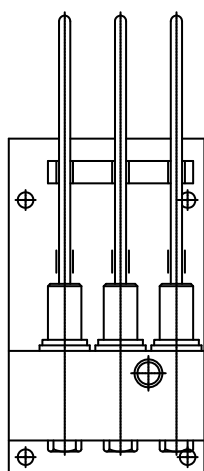
1. STROKE VOLUME EACH CYL' 50CC
2. NOMINAL RELEASE PRESSURE : 10 to 25BAR
3. 3 TO 4 QUICK CLOSING VALVE SHOULD BE CONNECTED TO THE ONE(1) PUMP UNIT.
4. RECOMMEND THE USE OF A MINERAL HYD. OIL WITH LOW TO MEDIUM VISCOSITY.

* DESCRIPTION

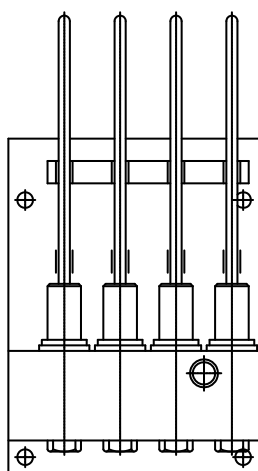
THE QUICK CLOSING VALVE IS PROVIDED WITH A HYD. CYLINDER FOR HYD. REMOTE CONTROL. THIS CYLINDER IS ACTIVATED THROUGH SPECIAL 2 OR 3 PART IMPULSE UNITS.

THE MODE OF OPERATION IS AS FOLLOWS : BY PULLING THE LEVER OF THE IMPULSE UNIT, THE OIL VOLUME UNDER THE PISTON IS PRESSED THROUGH THE CONNECTION PIPE TO THE ACTIVATING CYLINDER OF THE QUICK CLOSING VALVE.

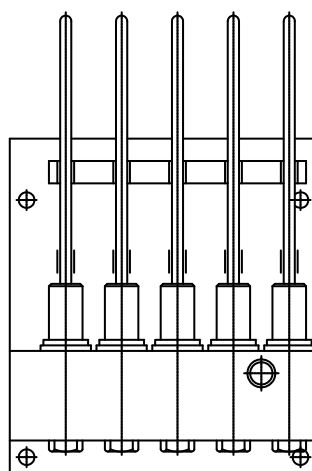
THE OIL VOLUME THAT HAS BEEN REMOVED UNDER PRESSURE WILL MOVE THE PISTON ROD OF THE ACTIVATING CYLINDER WHICH MAKES HANDLE A RELEASE THE BLOCK AND SUBSEQUENTLY THE VALVE CLOSES.



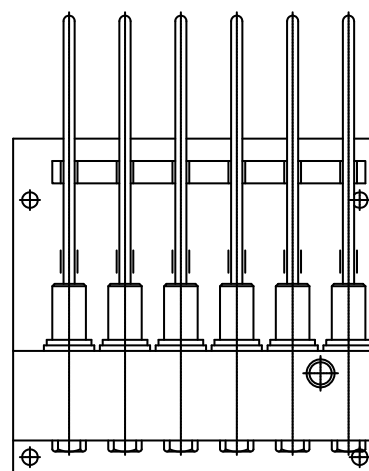
TYPE-M3



TYPE-M4



TYPE-M5



TYPE-M6

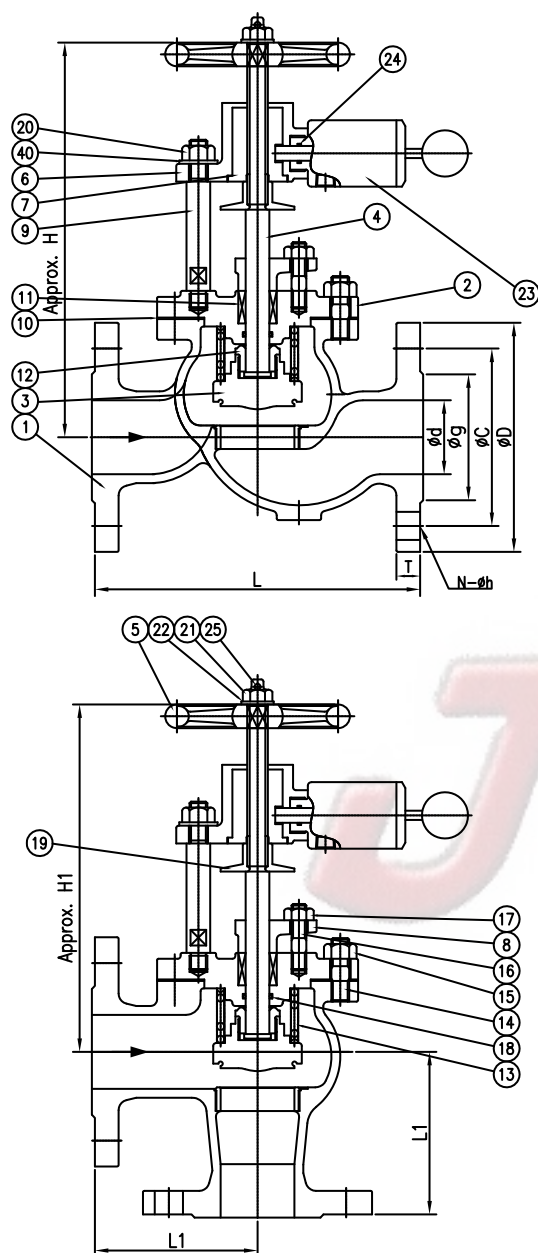
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze DIN valves

■ PN 10/16 Hydraulic Remote Controlled Quick Closing Valves

JYV HYD Type-03



Bolted Bonnet Renewable seat Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / DIN1705 Rg5
2	BONNET	BRONZE / DIN1705 Rg5
3	DISC	BRONZE / BRASS
4	STEM	BRASS
5	HANDWHEEL	CAST IRON
6	YOKE	BRONZE
7	YOKE BUSH	BRASS
8	PACKING GLAND	BRONZE
9	STAY	STEEL
10	GASKET	NON ASBESTOS
11	PACKING	NON ASBESTOS
12	DISC NUT	BRASS
13	SPRING	STEEL
14	BOLT	STEEL / SS400
15	NUT	STEEL / SS400
16	STUD BOLT	STEEL / SS400
17	NUT	STEEL / SS400
18	O-RING	NBR
19	INDICATOR	BRASS
20	NUT	STEEL
21	HANDLE NUT	STEEL
22	NAME PLATE	ALUMINUM
23	ACTUATOR	BRASS
24	O-RING	NBR
25	SPLIT PIN	BRASS

Dimension Table

(Unit : mm)

Rating	Size	d	L	L1	H	H1	FLANGE				
							D	C	g	T	N-h
PN 10 (DIN 2532)	15	15	130	90	200	190	95	65	45	12	4-14
	20	20	150	95	200	190	105	75	58	12	4-14
	25	25	160	100	200	190	115	85	68	12	4-14
	32	32	180	105	230	215	140	100	78	14	4-18
	40	40	200	115	235	215	150	110	88	14	4-18
	50	50	230	125	265	240	165	125	102	16	4-18
	65	65	290	145	305	275	185	145	122	16	4-18
	80	80	310	155	325	285	200	160	138	18	4-18
	100	100	350	175	370	320	220	180	158	18	8-18
	125	125	400	200	400	340	250	210	188	20	8-18
	150	150	480	225	450	380	285	240	212	20	8-22
	175	175	550	250	500	415	315	270	242	22	8-22
	200	200	600	275	570	470	340	295	268	24	8-22
	250	250	730	325	600	480	395	350	320	26	12-22
Rating	Size	d	L	L1	H	H1	FLANGE				
							D	C	g	T	N-h
PN 16 (DIN 2533)	15	15	130	90	200	190	95	65	45	12	4-14
	20	20	150	95	200	190	105	75	58	12	4-14
	25	25	160	100	200	190	115	85	68	12	4-14
	32	32	180	105	230	215	140	100	78	14	4-18
	40	40	200	115	235	215	150	110	88	14	4-18
	50	50	230	125	265	240	165	125	102	16	4-18
	65	65	290	145	305	275	185	145	122	16	4-18
	80	80	310	155	325	285	200	160	138	18	8-18
	100	100	350	175	370	320	220	180	158	18	8-18
	125	125	400	200	400	340	250	210	188	20	8-18
	150	150	480	225	450	380	285	240	212	20	8-22
	175	175	550	250	500	415	315	270	242	22	8-22
	200	200	600	275	570	470	340	295	268	24	12-22
	250	250	730	325	600	480	405	355	320	26	12-26

Test Pressure (Bar)

Rating	PN 10	PN 16
Size	15A to 250A	15A to 250A
Hydrostatic press test (Shell)	7	7
Hydrostatic press test (Seat)	2	2

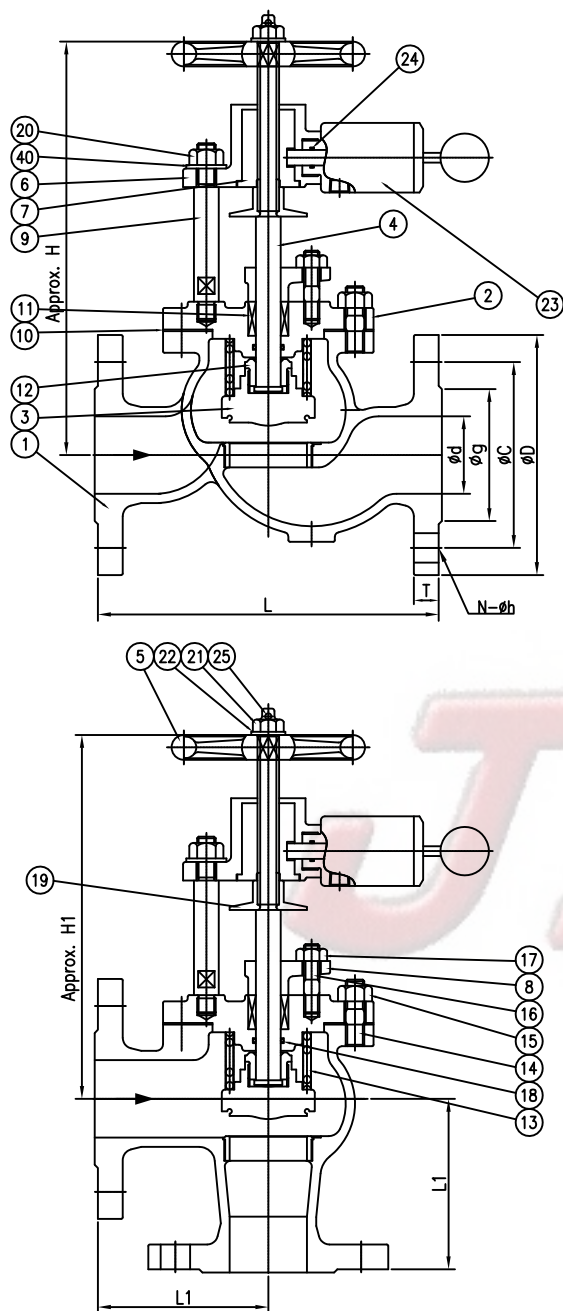
The quick-closing valves can be used for both of pneumatic and hydraulic

It's prohibited to copy or transcribe arbitrarily.

Ductile Iron, Cast Steel DIN Valves

■ PN 10/16 Hydraulic Remote Controlled Quick Closing Valves

JYV HYD Type-04



Bolted Bonnet Renewable seat Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	DUCTILE IRON / DIN1693 GGG-40 CAST STEEL / DIN17245 GS-C25
2	BONNET	DUCTILE IRON / DIN1693 GGG-40 CAST STEEL / DIN17245 GS-C25
3	DISC	BRONZE / STAINLESS STEEL
4	STEM	BRASS / STAINLESS STEEL
5	HANDWHEEL	CAST IRON
6	YOKE	BRONZE
7	YOKE BUSH	BRASS
8	PACKING GLAND	BRONZE
9	STAY	STEEL
10	GASKET	NON ASBESTOS
11	PACKING	NON ASBESTOS
12	DISC NUT	BRASS
13	SPRING	STEEL
14	BOLT	STEEL
15	NUT	STEEL
16	STUD BOLT	STEEL
17	NUT	STEEL
18	O-RING	NBR
19	INDICATOR	BRASS
20	NUT	STEEL
21	HANDLE NUT	STEEL
22	NAME PLATE	STAINLESS STEEL
23	ACTUATOR	BRASS
24	O-RING	NBR
25	SPLIT PIN	BRASS

Dimension Table

(Unit : mm)

Rating	Size	d	L	L1	H	H1	FLANGE				
							D	C	g	T	N-h
PN 10 (DIN2532)	15	15	130	90	200	190	95	65	45	14	4-14
	20	20	150	95	200	190	105	75	58	16	4-14
	25	25	160	100	200	190	115	85	68	16	4-14
	32	32	180	105	230	215	140	100	78	18	4-18
	40	40	200	115	235	215	150	110	88	18	4-18
	50	50	230	125	265	240	165	125	102	20	4-18
	65	65	290	145	305	275	185	145	122	20	4-18
	80	80	310	155	325	285	200	160	138	22	4-18
	100	100	350	175	370	320	220	180	158	24	8-18
	125	125	400	200	400	340	250	210	188	26	8-18
	150	150	480	225	450	380	285	240	212	26	8-22
	175	175	550	250	500	415	315	270	242	28	8-22
PN 16 (DIN2533)	200	200	600	275	570	470	340	395	268	26	8-22
	250	250	730	325	600	480	395	350	320	28	12-23
Rating	Size	d	L	L1	H	H1	FLANGE				
							D	C	g	T	N-h
PN 16 (DIN2533)	15	15	130	90	200	190	95	65	45	14	4-14
	20	20	150	95	200	190	105	75	58	16	4-14
	25	25	160	100	200	190	115	85	68	16	4-14
	32	32	180	105	230	215	140	100	78	18	4-18
	40	40	200	115	235	215	150	110	88	18	4-18
	50	50	230	125	265	240	165	125	102	20	4-18
	65	65	290	145	305	275	185	145	122	20	4-18
	80	80	310	155	325	285	200	160	138	22	8-18
	100	100	350	175	370	320	220	180	158	24	8-18
	125	125	400	200	400	340	250	210	188	26	8-18
	150	150	480	225	450	380	285	240	212	26	8-22
	175	175	550	250	500	415	315	270	242	28	8-22
	200	200	600	275	570	470	340	395	268	26	12-23
	250	250	730	325	600	480	405	355	320	28	12-27

Test Pressure (Bar)

Rating	PN 10	PN 16
Size	15A to 250A	15A to 250A
Hydrostatic press test (Shell)	7	7
Hydrostatic press test (Seat)	2	2

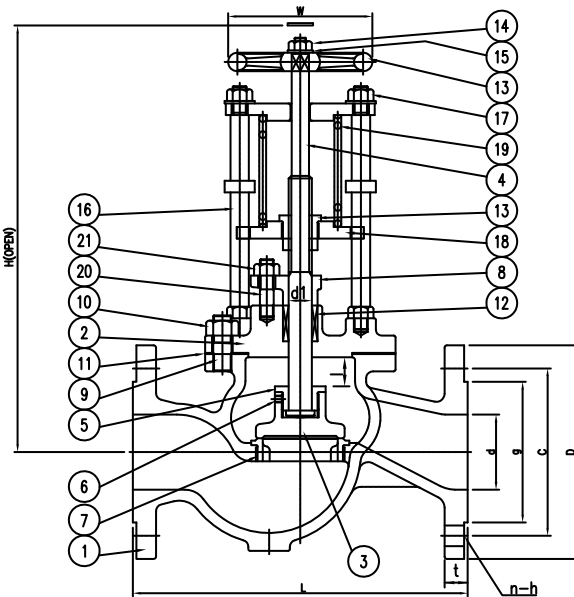
The quick-closing valves can be used for both of pneumatic and hydraulic

It's prohibited to copy or transcribe arbitrarily.

Cast Steel DIN Valves

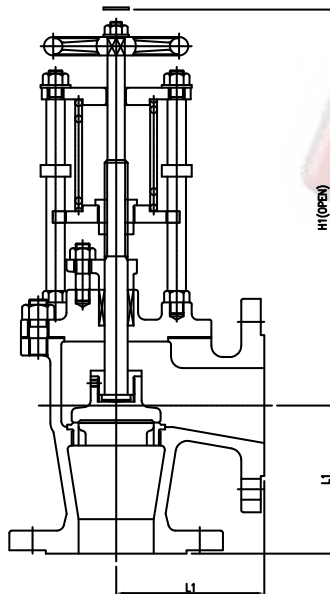
PN 6/10 Over Board Discharge Valve

DIN



Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	CAST STEEL / DIN17245 GS-C25
2	BONNET	CAST STEEL / DIN17245 GS-C25
3	DISC	BRONZE / STAINLESS STEEL
4	STEM	BRASS
5	DISC NUT	BRONZE / STAINLESS STEEL
6	SET SCREW	STEEL
7	SEAT RING	BRASS / STAINLESS STEEL
8	PACKING GLAND	BRONZE
9	BONNET BOLT	STEEL
10	BONNET NUT	STEEL
11	GASKET	NON ASBESTOS
12	PACKING	NON ASBESTOS
13	HANDWHEEL	CAST IRON
14	HANDLE NUT	STEEL
15	WASHER	STEEL
16	STAY	STEEL / SS400
17	STAY NUT	STEEL
18	SPRING SUPPORT	STEEL
19	SPRING	SWP
20	PACKING BOLT	STEEL
21	PACKING NUT	STEEL



Test Pressure (Bar)

Rating	PN 6	PN 10	PN 16
Size	350A to 500A	15A to 175A	200A to 300A
Hydrostatic press test (Shell)	6	25	16
Hydrostatic press test (Seat)	3	16	10

Dimension Table

(Unit : mm)

	d	L	L1	H	H1	W	d1	I	FLANGE				
									D	C	g	t	n-h
PN16 (DIN2533)	15	130	90	260	245	100	14	6	95	65	45	14	4-14
	20	150	95	260	245	100	14	8	105	75	58	16	4-14
	25	160	100	260	260	100	14	11	115	85	68	16	4-14
	32	180	105	285	265	100	14	11	140	100	78	18	4-18
	40	200	115	340	315	100	16	13	150	110	88	18	4-18
	50	230	125	345	315	100	16	16	165	125	102	20	4-18
	65	290	145	400	370	125	20	19	185	145	122	20	4-18
	80	310	155	455	420	160	20	23	200	160	138	22	8-18
	100	350	175	545	495	160	24	30	220	180	158	24	8-18
	125	400	200	610	550	180	26	40	250	210	188	26	8-18
PN10 (DIN2532)	150	480	225	655	570	180	26	48	285	240	212	26	8-22
	175	550	250	820	740	200	28	54	315	270	242	28	8-22
	200	600	275	935	840	250	32	64	340	295	268	26	8-22
	250	730	325	1100	980	315	36	78	395	350	320	28	12-22
PN6 (DIN2531)	300	850	375	1180	1040	315	40	90	445	400	370	28	12-22
	350	980	425	1385	1240	355	48	115	490	445	415	26	12-22
	400	1100	475	1610	1415	355	48	120	540	495	465	28	16-22
	450	1200	500	2025	1845	450	52	135	595	550	520	28	16-22
	500	1350	515	2380	2120	450	60	150	645	600	570	30	20-22

Remark : 1.The range of over board discharge valves,depending on the spring amounts to $\pm 10\%$ of the respective set pressure.They should however never be set at pressures in excess of the maximum rating for which the valve is designed.if a greater change in the set pressure is to be made. a new spring may be required.When marking an enquiry or placing an order kindly indicate the nature of fluid,its temperature and the set pressure.

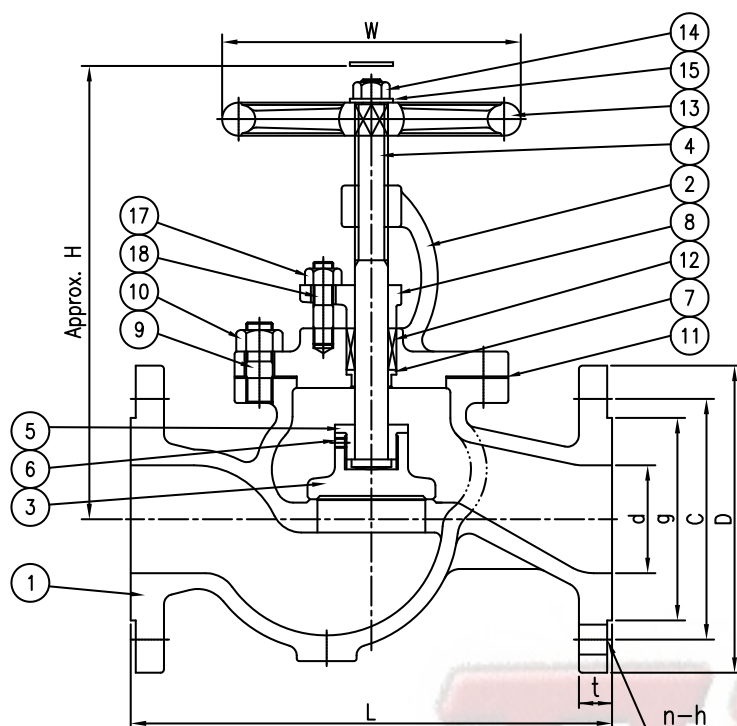
2. The valves for steam and gas should be set at least 10%, and valves for water and oil 25% above the normal working pressure.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze DIN valves

■ PN 6/10 /16 Globe Valves and Globe Check Valve

DIN 86260 and DIN 86261/F1

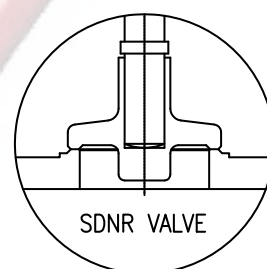


Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / DIN1705 Rg5
2	BONNET	BRONZE / DIN1705 Rg5
3	DISC	BRONZE / BRASS
4	STEM	BRASS
5	DISC NUT	BRASS
6	SET SCREW	STEEL
7	PACKING RING	BRASS
8	PACKING GLAND	BRASS
9	BONNET BOLT	STAINLESS STEEL
10	BONNET NUT	STAINLESS STEEL
11	GASKET	NON ASBESTOS
12	PACKING	NON ASBESTOS
13	HANDWHEEL	CAST IRON
14	HANDLE NUT	BRASS
15	WASHER	BRASS
17	NUT	BRASS
18	BOLT	BRASS

Test Pressure (Bar)

Rating	PN 6	PN 10 / PN 16	PN 10 / PN 16	PN 10 / PN 16
Size	15A to 300A	15A to 175A	200A to 300A	300A to 500A
Hydrostatic press test (Shell)	6.6	25	16	6
Hydrostatic press test (Seat)	6	16	10	3



Dimension Table

(Unit : mm)

Rating	Size	d	L	H	W	PN6 FLANGE				PN10 FLANGE				PN16 FLANGE			
						D	C	t	n-h	D	C	t	n-h	D	C	t	n-h
PN 6 (DIN 2531)	15	15	130	220	100	80	55	12	4-11	95	65	12	4-14	95	65	12	4-14
	20	20	150	225	100	90	65	12	4-11	105	75	12	4-14	105	75	12	4-14
	25	25	160	235	100	100	75	12	4-11	115	85	12	4-14	115	85	12	4-14
	32	32	180	240	125	120	90	14	4-14	140	100	14	4-18	140	100	14	4-18
	40	40	200	275	160	130	100	14	4-14	150	110	14	4-18	150	110	14	4-18
PN 10 (DIN 2532)	50	50	230	280	160	140	110	16	4-14	165	125	16	4-18	165	125	16	4-18
	65	65	290	310	180	160	130	16	4-14	185	145	16	4-18	185	145	16	4-18
	80	80	310	345	180	190	150	18	4-18	200	160	18	8-18	200	160	18	8-18
	100	100	350	380	200	210	170	18	4-18	220	180	18	8-18	220	180	18	8-18
	125	125	400	420	200	240	200	18	8-18	250	210	20	8-18	250	210	18	8-18
PN 16 (DIN 2533)	150	150	480	470	250	265	225	20	8-18	285	240	20	8-22	285	240	20	8-22
	175	175	550	500	250	295	255	20	8-18	315	270	20	8-22	315	270	20	8-22
	200	200	600	580	315	320	280	22	8-18	340	295	22	8-22	340	295	22	12-22
	250	250	730	690	315	375	335	22	12-18	395	350	22	12-22	405	355	22	12-26
	300	300	850	800	315	440	395	24	12-22	445	400	24	12-22	460	410	24	12-26
	350	350	980	910	400	490	445	26	12-22	505	460	26	16-22	520	470	26	16-26
	400	400	1100	1070	500	540	495	26	16-22	565	515	26	16-26	580	525	26	16-30
	450	450	1200	1165	500	595	550	28	16-22	615	565	28	20-26	640	585	28	20-30
	500	500	1350	1340	500	645	600	30	20-22	670	620	30	20-26	715	650	30	20-33

Remark : 1. The name plate shall be specified by purchaser as required.

2. Face-to-Face Valve dimensions : EN-558-1(DIN3202)

3. Flange Standard (EN code) : EN1090 (PN06/PN10/PN16/PN25/PN40)

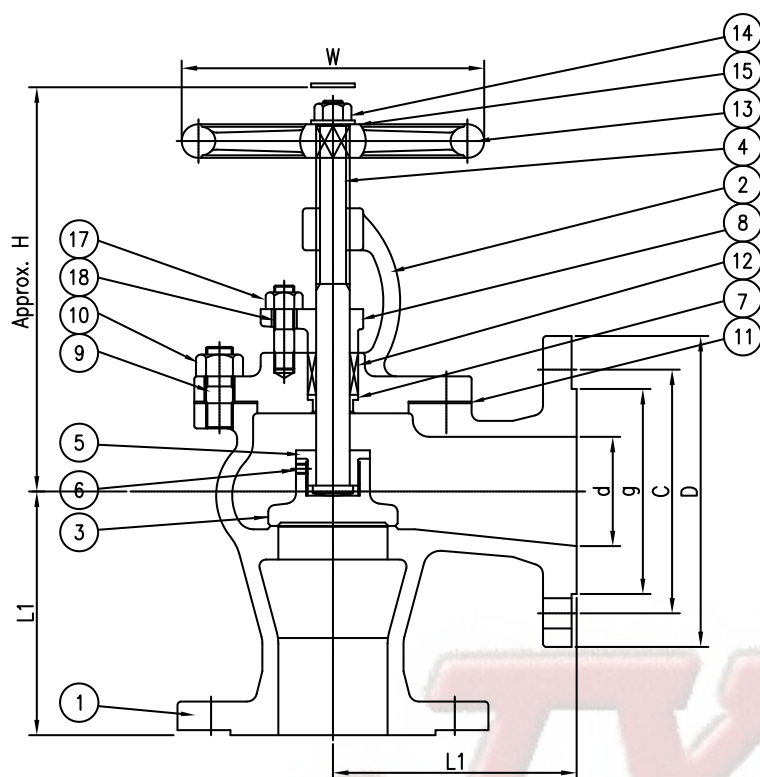
4. Testina Standard : ISO 5208

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze DIN Valves

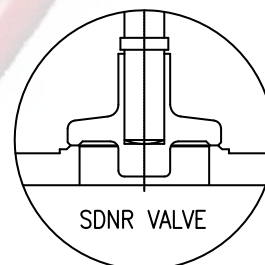
■ PN 6/10 /16 Angle Valves and Angle Check Valve

DIN 86260 and DIN 86261/F32



Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / DIN1705 Rg5
2	BONNET	BRONZE / DIN1705 Rg5
3	DISC	BRONZE OR BRASS
4	STEM	BRASS
5	DISC NUT	BRASS
6	SET SCREW	STEEL
7	PACKING RING	BRASS
8	PACKING GLAND	BRASS
9	BONNET BOLT	STAINLESS STEEL
10	BONNET NUT	STAINLESS STEEL
11	GASKET	NON ASBESTOS
12	PACKING	NON ASBESTOS
13	HANDWHEEL	CAST IRON
14	HANDLE NUT	BRASS
15	WASHER	BRASS
17	NUT	BRASS
18	BOLT	BRASS



Test Pressure (Bar)

Rating	PN 6	PN 10 / PN 16	PN 10 / PN 16	PN 10 / PN 16
Size	15A to 300A	15A to 175A	200A to 300A	300A to 500A
Hydrostatic press test (Shell)	6.6	25	16	6
Hydrostatic press test (Seat)	6	16	10	3

Dimension Table

(Unit : mm)

Rating	Size	d	L1	H	W	PN6 FLANGE				PN10 FLANGE				PN16 FLANGE			
						D	C	t	n-h	D	C	t	n-h	D	C	t	n-h
PN 6 (DIN 2531)	15	15	90	200	100	80	55	12	4-11	95	65	12	4-14	95	65	12	4-14
	20	20	95	200	100	90	65	12	4-11	105	75	12	4-14	105	75	12	4-14
	25	25	100	210	100	100	75	12	4-11	115	85	12	4-14	115	85	12	4-14
	32	32	105	215	125	120	90	14	4-14	140	100	14	4-18	140	100	14	4-18
	40	40	115	245	160	130	100	14	4-14	150	110	14	4-18	150	110	14	4-18
PN 10 (DIN 2532)	50	50	125	250	160	140	110	16	4-14	165	125	16	4-18	165	125	16	4-18
	65	65	145	280	180	160	130	16	4-14	185	145	16	4-18	185	145	16	4-18
	80	80	155	310	180	190	150	18	4-18	200	160	18	8-18	200	160	18	8-18
	100	100	175	330	200	210	170	18	4-18	220	180	18	8-18	220	180	18	8-18
	125	125	200	360	200	240	200	18	8-18	250	210	20	8-18	250	210	18	8-18
PN 16 (DIN 2533)	150	150	225	385	250	265	225	20	8-18	285	240	20	8-22	285	240	20	8-22
	175	175	250	415	250	295	255	20	8-18	315	270	20	8-22	315	270	20	8-22
	200	200	275	485	315	320	280	22	8-18	340	295	22	8-22	340	295	22	12-22
	250	250	325	571	315	375	335	22	12-18	395	350	22	12-22	405	355	22	12-26
	300	300	375	671	315	440	395	24	12-22	445	400	24	12-22	460	410	24	12-26
	350	350	425	840	400	490	445	26	12-22	505	460	26	16-22	520	470	26	16-26
	400	400	475	715	500	540	495	26	16-22	565	515	26	16-26	580	525	26	16-30
	450	450	500	825	500	595	550	28	16-22	615	565	28	20-26	640	585	28	20-30
	500	500	515	795	500	645	600	30	20-22	670	620	30	20-26	715	650	30	20-33

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

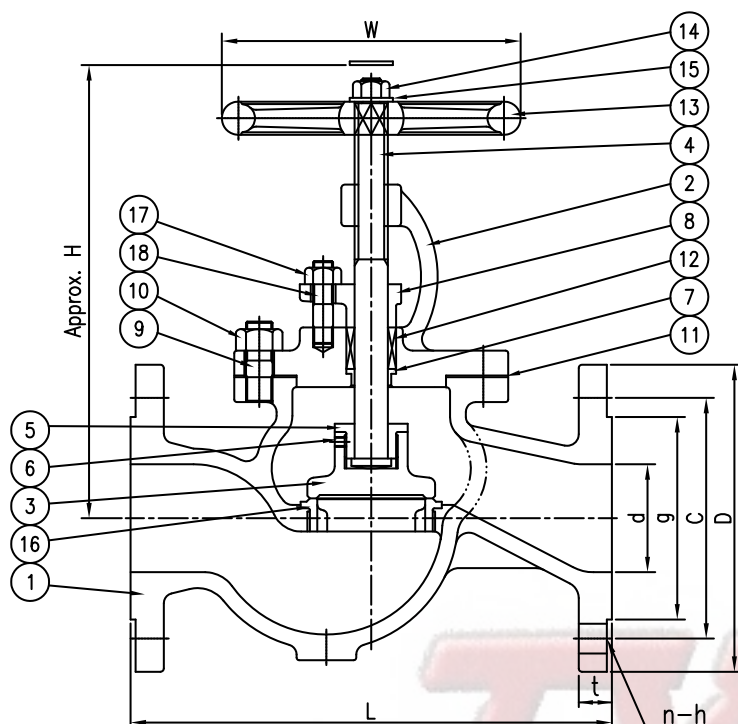
Cast Iron DIN Valves

■ PN 6/10 /16 Globe Valves

DIN 86251/F1

■ PN 6/10 /16 Globe Check Valves

DIN 86252/F1

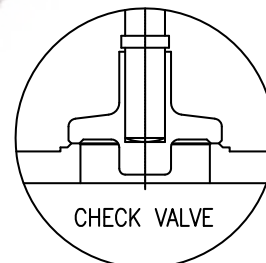


Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	CAST IRON / DIN1691 GG-25
2	BONNET	CAST IRON / DIN1691 GG-25
3	DISC	BRONZE / STAINLESS STEEL
4	STEM	BRASS / STAINLESS STEEL
5	DISC NUT	BRONZE / STAINLESS STEEL
6	SET SCREW	STEEL
7	PACKING RING	BRASS / STAINLESS STEEL
8	PACKING GLAND	BRASS / STAINLESS STEEL
9	BONNET BOLT	STEEL
10	BONNET NUT	STEEL
11	GASKET	NON ASBESTOS
12	PACKING	NON ASBESTOS
13	HANDWHEEL	CAST IRON
14	HANDLE NUT	STEEL
15	WASHER	STEEL
16	SEAT RING	BRONZE / STAINLESS STEEL
17	NUT	STEEL
18	BOLT	STEEL

Test Pressure (Bar)

Rating	PN 6	PN 10 / PN 16	PN 10 / PN 16	PN 10 / PN 16
Size	15A to 300A	15A to 175A	200A to 300A	300A to 500A
Hydrostatic press test (Shell)	6.6	25	16	6
Hydrostatic press test (Seat)	6	16	10	3



Dimension Table

(Unit : mm)

Rating	Size	d	L	H	W	PN6 FLANGE				PN10 FLANGE				PN16 FLANGE			
						D	C	t	n-h	D	C	t	n-h	D	C	t	n-h
PN 6 (DIN 2531)	15	15	130	220	100	80	55	12	4-11	95	65	14	4-14	95	65	14	4-14
	20	20	150	225	100	90	65	12	4-11	105	75	16	4-14	105	75	16	4-14
	25	25	160	235	100	100	75	12	4-11	115	85	16	4-14	115	85	16	4-14
	32	32	180	240	125	120	90	14	4-14	140	100	16	4-18	140	100	16	4-18
	40	40	200	275	160	130	100	14	4-14	150	110	18	4-18	150	110	18	4-18
PN 10 (DIN 2532)	50	50	230	280	160	140	110	16	4-14	165	125	20	4-18	165	125	20	4-18
	65	65	290	310	180	160	130	16	4-14	185	145	20	4-18	185	145	20	4-18
	80	80	310	345	180	190	150	18	4-18	200	160	22	8-18	200	160	22	8-18
	100	100	350	380	200	210	170	18	4-18	220	180	24	8-18	220	180	24	8-18
	125	125	400	420	200	240	200	18	8-18	250	210	26	8-18	250	210	26	8-18
PN 16 (DIN 2533)	150	150	480	470	250	265	225	20	8-18	285	240	26	8-22	285	240	26	8-22
	175	175	550	500	250	295	255	20	8-18	315	270	26	8-22	315	270	28	8-22
	200	200	600	580	315	320	280	22	8-18	340	295	26	8-22	340	295	30	12-22
	250	250	730	690	315	375	335	22	12-18	395	350	28	12-22	405	355	32	12-26
	300	300	850	800	315	440	395	24	12-22	445	400	28	12-22	460	410	32	12-26
	350	350	980	910	400	490	445	26	12-22	505	460	30	16-22	520	470	36	16-26
	400	400	1100	1070	500	540	495	26	16-22	565	515	32	16-26	580	525	38	16-30
	450	450	1200	1165	500	595	550	28	16-22	615	565	32	20-26	640	585	40	20-30
	500	500	1350	1340	500	645	600	30	20-22	670	620	34	20-26	715	650	42	20-33

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

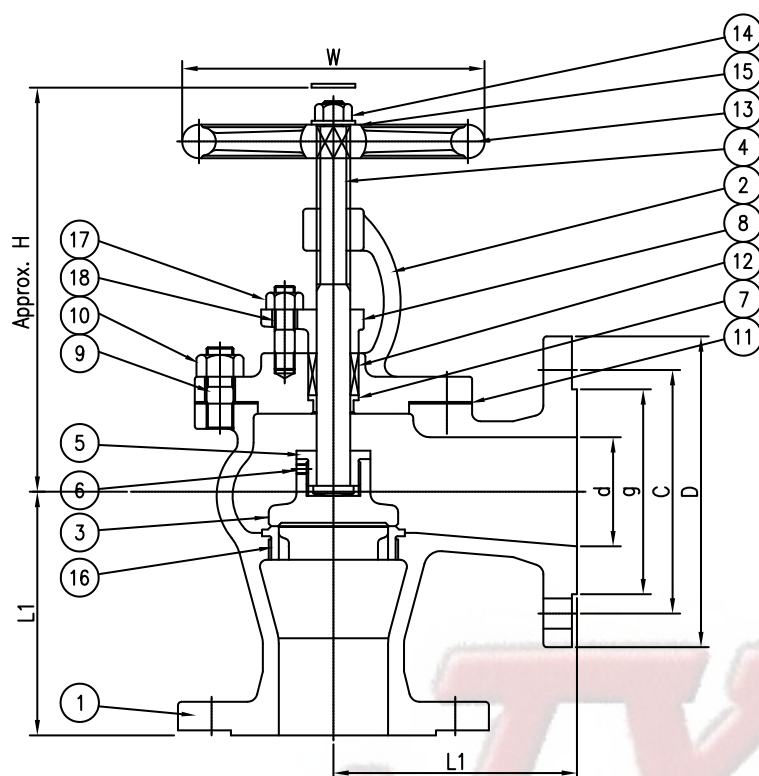
Cast Iron DIN Valves

■ PN 6/10 /16 Angle Valves

DIN 86251/F32

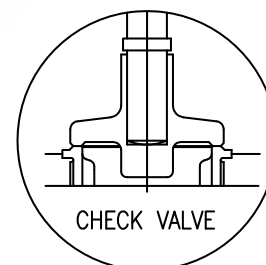
■ PN 6/10 /16 Angle Check Valves

DIN 86251/F32



Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	CAST IRON / DIN1691 GG-25
2	BONNET	CAST IRON / DIN1691 GG-25
3	DISC	BRONZE / STAINLESS STEEL
4	STEM	BRASS / STAINLESS STEEL
5	DISC NUT	BRONZE / STAINLESS STEEL
6	SET SCREW	STEEL
7	PACKING RING	BRASS / STAINLESS STEEL
8	PACKING GLAND	BRASS / STAINLESS STEEL
9	BONNET BOLT	STEEL
10	BONNET NUT	STEEL
11	GASKET	NON ASBESTOS
12	PACKING	NON ASBESTOS
13	HANDWHEEL	CAST IRON
14	HANDLE NUT	STEEL
15	WASHER	STEEL
16	SEAT RING	BRONZE / STAINLESS STEEL
17	NUT	STEEL
18	BOLT	STEEL



Test Pressure (Bar)

Rating	PN 6	PN 10 / PN 16	PN 10 / PN 16	PN 10 / PN 16
Size	15A to 300A	15A to 175A	200A to 300A	300A to 500A
Hydrostatic press test (Shell)	6.6	25	16	6
Hydrostatic press test (Seat)	6	16	10	3

Dimension Table

(Unit : mm)

Rating	Size	d	L1	H	W	PN6 FLANGE				PN10 FLANGE				PN16 FLANGE			
						D	C	t	n-h	D	C	t	n-h	D	C	t	n-h
PN 6 (DIN 2531)	15	15	90	200	100	80	55	12	4-11	95	65	14	4-14	95	65	14	4-14
	20	20	95	200	100	90	65	12	4-11	105	75	16	4-14	105	75	16	4-14
	25	25	100	210	100	100	75	12	4-11	115	85	16	4-14	115	85	16	4-14
	32	32	105	215	125	120	90	14	4-14	140	100	18	4-18	140	100	18	4-18
	40	40	115	245	160	130	100	14	4-14	150	110	18	4-18	150	110	18	4-18
PN 10 (DIN 2532)	50	50	125	250	160	140	110	16	4-14	165	125	20	4-18	165	125	20	4-18
	65	65	145	280	180	160	130	16	4-14	185	145	20	4-18	185	145	20	4-18
	80	80	155	310	180	190	150	18	4-18	200	160	22	8-18	200	160	22	8-18
	100	100	175	330	200	210	170	18	4-18	220	180	24	8-18	220	180	24	8-18
	125	125	200	360	200	240	200	18	8-18	250	210	26	8-18	250	210	26	8-18
PN 16 (DIN 2533)	150	150	225	385	250	265	225	20	8-18	285	240	26	8-22	285	240	26	8-22
	175	175	250	415	250	295	255	20	8-18	315	270	26	8-22	315	270	28	8-22
	200	200	275	485	315	320	280	22	8-18	340	295	26	8-22	340	295	30	12-22
	250	250	325	571	315	375	335	22	12-18	395	350	28	12-22	405	355	32	12-26
	300	300	375	671	315	440	395	24	12-22	445	400	28	12-22	460	410	32	12-26
	350	350	425	840	400	490	445	26	12-22	505	460	30	16-22	520	470	36	16-26
	400	400	475	715	500	540	495	26	16-22	565	515	32	16-26	580	525	38	16-30
	450	450	500	825	500	595	550	28	16-22	615	565	32	20-26	640	585	40	20-30
	500	500	515	795	500	645	600	30	20-22	670	620	34	20-26	715	650	42	20-33

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

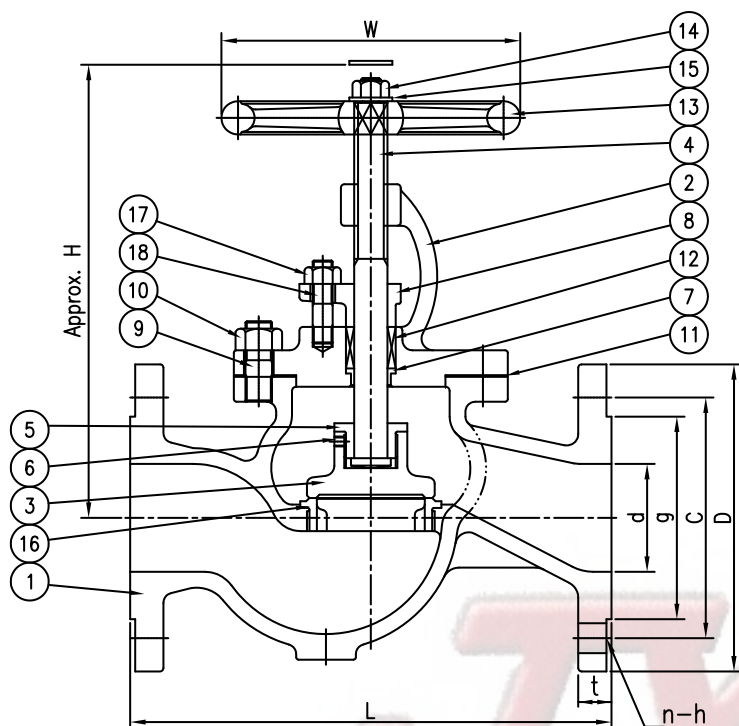
Ductile Iron, Cast Steel DIN Valves

■ PN 6/10 /16 Globe Valves

DIN 86251/F1

■ PN 6/10 /16 Globe Check Valves

DIN 86251/F1

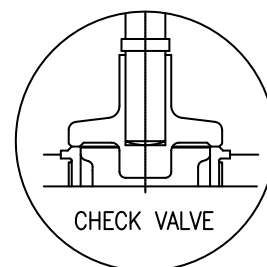


Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	DUCTILE IRON / DIN1693 GGG-40 CAST STEEL / DIN17245 GS-C25
2	BONNET	DUCTILE IRON / DIN1693 GGG40 CAST STEEL / DIN17245 GS-C25
3	DISC	BRONZE / STAINLESS STEEL
4	STEM	BRASS / STAINLESS STEEL
5	DISC NUT	BRONZE / STAINLESS STEEL
6	SET SCREW	STEEL
7	PACKING RING	BRASS / STAINLESS STEEL
8	PACKING GLAND	BRASS / STAINLESS STEEL
9	BONNET BOLT	STEEL
10	BONNET NUT	STEEL
11	GASKET	NON ASBESTOS
12	PACKING	NON ASBESTOS
13	HANDWHEEL	CAST IRON
14	HANDLE NUT	STEEL
15	WASHER	STEEL
16	SEAT RING	BRONZE / STAINLESS STEEL
17	NUT	STEEL
18	BOLT	STEEL

Test Pressure (Bar)

Rating	PN 6	PN 10/ PN 16	PN 10/ PN 16	PN 10/ PN 16
Size	15A to 300A	15A to 175A	200A to 300A	300A to 500A
Hydrostatic press test (Shell)	6.6	25	16	6
Hydrostatic press test (Seat)	6	16	10	3



Dimension Table

(Unit : mm)

Rating	Size	d	L	H	W	PN6 FLANGE				PN10 FLANGE				PN16 FLANGE			
						D	C	t	n-h	D	C	t	n-h	D	C	t	n-h
PN 6 (DIN 2531)	15	15	130	220	100	80	55	12	4-11	95	65	14	4-14	95	65	14	4-14
	20	20	150	225	100	90	65	12	4-11	105	75	16	4-14	105	75	16	4-14
	25	25	160	235	100	100	75	12	4-11	115	85	16	4-14	115	85	16	4-14
	32	32	180	240	125	120	90	14	4-14	140	100	18	4-18	140	100	18	4-18
	40	40	200	275	160	130	100	14	4-14	150	110	18	4-18	150	110	18	4-18
PN 10 (DIN 2532)	50	50	230	280	160	140	110	16	4-14	165	125	20	4-18	165	125	20	4-18
	65	65	290	310	180	160	130	16	4-14	185	145	20	4-18	185	145	20	4-18
	80	80	310	345	180	190	150	18	4-18	200	160	22	8-18	200	160	22	8-18
	100	100	350	380	200	210	170	18	4-18	220	180	24	8-18	220	180	24	8-18
	125	125	400	420	200	240	200	18	8-18	250	210	26	8-18	250	210	26	8-18
PN 16 (DIN 2533)	150	150	480	470	250	265	225	20	8-18	285	240	26	8-22	285	240	26	8-22
	175	175	550	500	250	295	255	20	8-18	315	270	26	8-22	315	270	28	8-22
	200	200	600	580	315	320	280	22	8-18	340	295	26	8-22	340	295	30	12-22
	250	250	730	690	315	375	335	22	12-18	395	350	28	12-22	405	355	32	12-26
	300	300	850	800	315	440	395	24	12-22	445	400	28	12-22	460	410	32	12-26
	350	350	980	910	400	490	445	26	12-22	505	460	30	16-22	520	470	36	16-26
	400	400	1100	1070	500	540	495	26	16-22	565	515	32	16-26	580	525	38	16-30
	450	450	1200	1165	500	595	550	28	16-22	615	565	32	20-26	640	585	40	20-30
	500	500	1300	1350	500	645	600	30	20-22	670	620	34	20-26	715	650	42	20-33

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

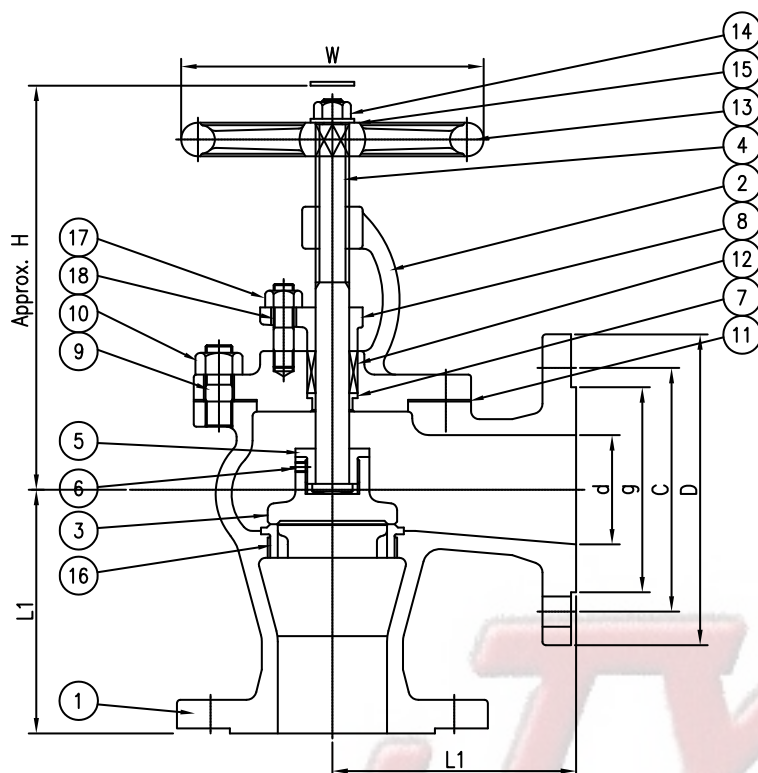
Ductile Iron, Cast Steel DIN Valves

■ PN 6/10 /16 Angle Valves

DIN 86251/F32

■ PN 6/10 /16 Angle Check Valves

DIN 86251/F32

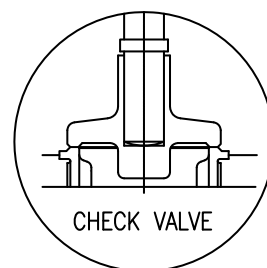


Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	DUCTILE IRON / DIN1693 GGG-40 CAST STEEL / DIN17245 GS-C25
2	BONNET	DUCTILE IRON / DIN1693 GGG40 CAST STEEL / DIN17245 GS-C25
3	DISC	BRONZE / STAINLESS STEEL
4	STEM	BRASS / STAINLESS STEEL
5	DISC NUT	BRONZE / STAINLESS STEEL
6	SET SCREW	STEEL
7	PACKING RING	BRASS / STAINLESS STEEL
8	PACKING GLAND	BRASS / STAINLESS STEEL
9	BONNET BOLT	STEEL
10	BONNET NUT	STEEL
11	GASKET	NON ASBESTOS
12	PACKING	NON ASBESTOS
13	HANDWHEEL	CAST IRON
14	HANDLE NUT	STEEL
15	WASHER	STEEL
16	SEAT RING	BRONZE / STAINLESS STEEL
17	NUT	STEEL
18	BOLT	STEEL

Test Pressure (Bar)

Rating	PN 6	PN 10 / PN 16	PN 10 / PN 16	PN 10 / PN 16
Size	15A to 300A	15A to 175A	200A to 300A	300A to 500A
Hydrostatic press test (Shell)	6.6	25	16	6
Hydrostatic press test (Seat)	6	16	10	3



Dimension Table

(Unit : mm)

Rating	Size	d	L1	H	W	PN6 FLANGE				PN10 FLANGE				PN16 FLANGE			
						D	C	t	n-h	D	C	t	n-h	D	C	t	n-h
PN 6 (DIN 2531)	15	15	90	200	100	80	55	12	4-11	95	65	14	4-14	95	65	14	4-14
	20	20	95	200	100	90	65	12	4-11	105	75	16	4-14	105	75	16	4-14
	25	25	100	210	100	100	75	12	4-11	115	85	16	4-14	115	85	16	4-14
	32	32	105	215	125	120	90	14	4-14	140	100	18	4-18	140	100	18	4-18
	40	40	115	245	160	130	100	14	4-14	150	110	18	4-18	150	110	18	4-18
PN 10 (DIN 2532)	50	50	125	250	160	140	110	16	4-14	165	125	20	4-18	165	125	20	4-18
	65	65	145	280	180	160	130	16	4-14	185	145	20	4-18	185	145	20	4-18
	80	80	155	310	180	190	150	18	4-18	200	160	22	8-18	200	160	22	8-18
	100	100	175	330	200	210	170	18	4-18	220	180	24	8-18	220	180	24	8-18
	125	125	200	360	200	240	200	18	8-18	250	210	26	8-18	250	210	26	8-18
PN 16 (DIN 2533)	150	150	225	385	250	265	225	20	8-18	285	240	26	8-22	285	240	26	8-22
	175	175	250	415	250	295	255	20	8-18	315	270	26	8-22	315	270	28	8-22
	200	200	275	485	315	320	280	22	8-18	340	295	26	8-22	340	295	30	12-22
	250	250	325	571	315	375	335	22	12-18	395	350	28	12-22	405	355	32	12-26
	300	300	375	671	315	440	395	24	12-22	445	400	28	12-22	460	410	32	12-26
	350	350	425	840	400	490	445	26	12-22	505	460	30	16-22	520	470	36	16-26
	400	400	475	715	500	540	495	26	16-22	565	515	32	16-26	580	525	38	16-30
	450	450	500	825	500	595	550	28	16-22	615	565	32	20-26	640	585	40	20-30
	500	500	515	795	500	645	600	30	20-22	670	620	34	20-26	715	650	42	20-33

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

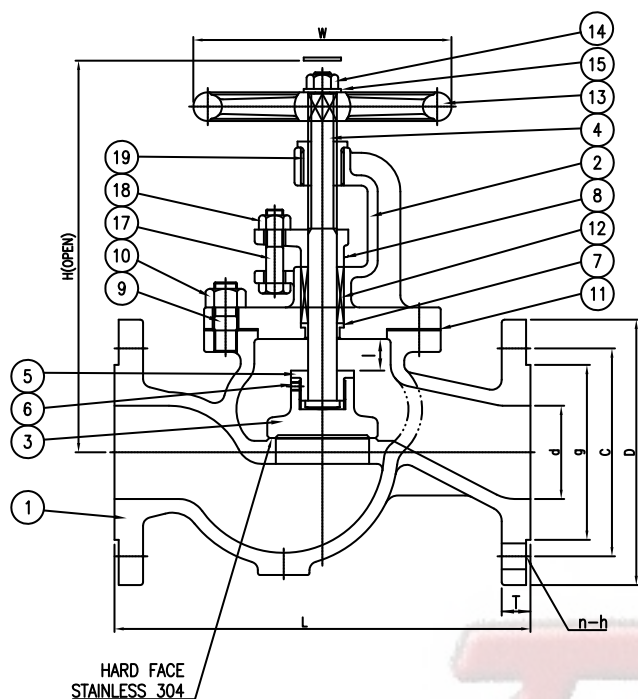
Cast Steel DIN Valves

■ PN 25/PN 40 Globe and Globe Check Valves

DIN/F1

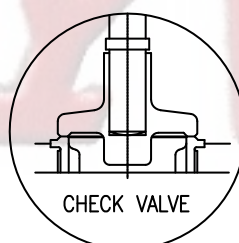
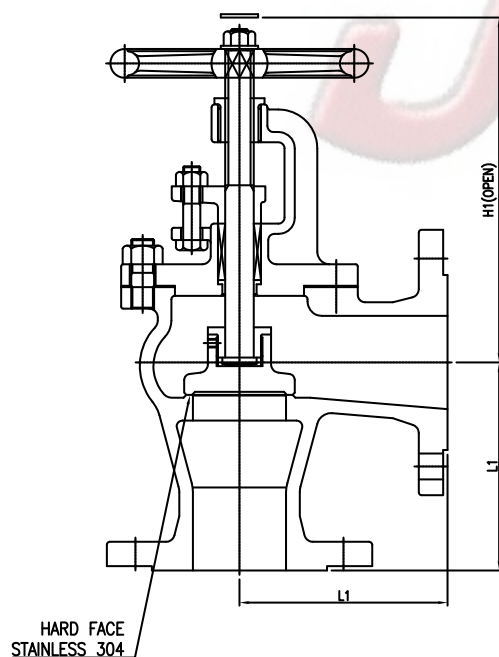
■ PN 25/PN 40 Angle and Angle Check Valves

DIN/F32



Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	CAST STEEL / DIN17245 GS-C25
2	BONNET	CAST STEEL / DIN17245 GS-C25
3	DISC	STAINLESS STEEL
4	STEM	STAINLESS STEEL
5	DISC NUT	STAINLESS STEEL
6	SET SCREW	STEEL
7	PACKING RING	STAINLESS STEEL
8	PACKING GLAND	BRONZE
9	BONNET BOLT	STEEL
10	BONNET NUT	STEEL
11	GASKET	NON ASBESTOS
12	PACKING	NON ASBESTOS
13	HANDWHEEL	CAST IRON
14	HANDLE NUT	STEEL
15	WASHER	STEEL
-	SEAT RING	HARD FACE WELDING
17	PACKING BOLT	STEEL
18	PACKING NUT	STEEL
18	BONNET BUSH	BRASS



Dimension Table

(Unit : mm)

	d	L	L1	H	H1	W	I	FLANGE					
								D	C	g	T	n-h	
PN25 (DIN2544)	15	130	90	220	200	100	8	95	65	45	16	4-14	
	20	150	95	225	200	100	8	105	75	58	18	4-14	
	25	160	100	235	210	100	11	115	85	68	18	4-14	
	32	180	105	240	215	125	11	140	100	78	18	4-18	
	40	200	115	275	245	160	13	150	110	88	18	4-18	
	50	230	125	280	250	160	16	165	125	102	20	4-18	
	65	290	145	310	280	180	19	185	145	122	22	8-18	
	80	310	155	345	310	180	23	200	160	138	24	8-18	
	100	350	175	380	330	200	30	235	190	162	24	8-22	
	125	400	200	420	360	200	40	270	220	188	26	8-26	
PN40 (DIN2545)	15	130	90	220	200	100	8	95	65	45	16	4-14	
	20	150	95	225	200	100	8	105	75	58	18	4-14	
	25	160	100	235	210	100	11	115	85	68	18	4-14	
	32	180	105	240	215	125	11	140	100	78	18	4-18	
	40	200	115	275	245	160	13	150	110	88	18	4-18	
	50	230	125	280	250	160	16	165	125	102	20	4-18	
	65	290	145	310	280	180	19	185	145	122	22	8-18	
	80	310	155	345	310	180	23	200	160	138	24	8-18	
	100	350	175	380	330	200	30	235	190	162	24	8-22	
	125	400	200	420	360	200	40	270	220	188	26	8-26	

Test Pressure (Bar)

Rating	PN25	PN40
Size	15A to 150A	15A to 150A
Hydrostatic press test (Shell)	37.5	60
Hydrostatic press test (Seat)	27.5	44

Remark : 1. The name plate shall be specified by purchaser as required.

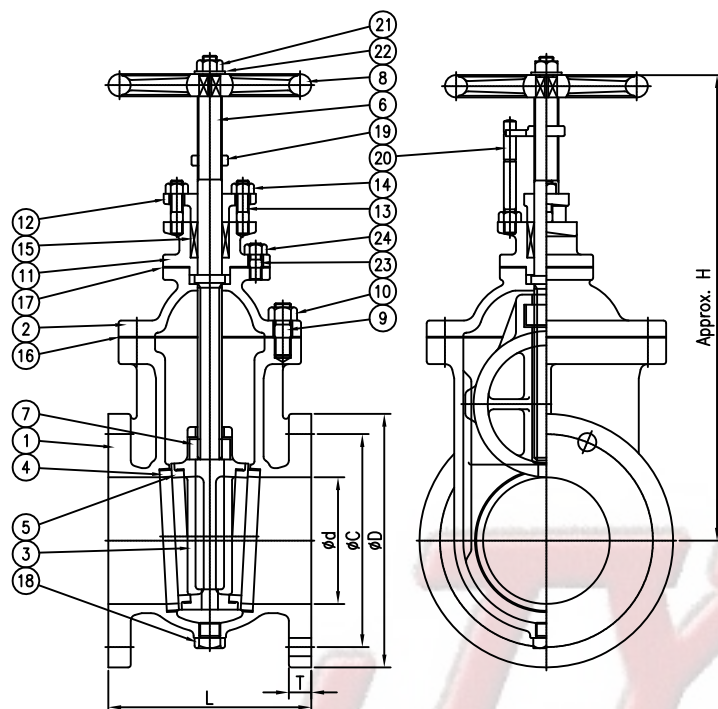
It's prohibited to copy or transcribe arbitrarily.

Cast Bronze DIN Valves

■ PN 10 /16 Gate Valves Non Rising Stem

DIN 3352/2-F4(86703)

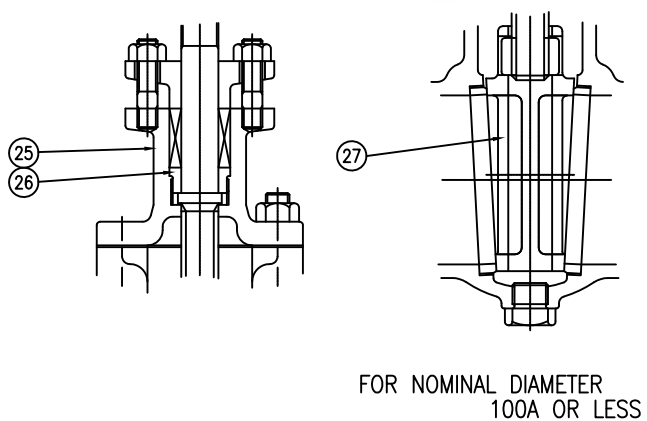
Bolted Bonnet Intergral seat
Non Rising Stem Flanged Ends



NO.	PARTS	MATERIAL
1	BODY	BRONZE / DIN1705 Rg5
2	BONNET	BRONZE / DIN1705 Rg5
3	DISC	BRONZE / DIN 1705 Rg5
4	BODY SEAT RING	INTERGRAL
5	DISC SEAT RING	INTERGRAL
6	STEM	BRASS
7	DISC NUT	BRONZE
8	HANDWHEEL	CAST IRON
9	BONNET BOLT	STAINLESS STEEL
10	BONNET NUT	STAINLESS STEEL
11	STUFFING BOX	BRONZE / DIN1705 Rg5
12	PACKING GLAND	BRONZE
13	GLAND BOLT	STAINLESS STEEL
14	GLAND NUT	STAINLESS STEEL
15	PACKING	NON ASBESTOS
16	BONNET GASKET	NON ASBESTOS
17	BOX GASKET	NON ASBESTOS
18	PLUG	BRASS
19	INDICATOR	BRONZE
20	INDICATOR BAR	BRASS
21	HANDLE NUT	BRASS / STAINLESS STEEL
22	WASHER	STEEL
23	BOX BOLT	STAINLESS STEEL
24	BOX NUT	STAINLESS STEEL
25	BONNET	BRONZE / DIN1705 Rg5
26	PACKING RING	BRASS
27	DISC	BRONZE / DIN1705 Rg5

Dimension Table

(Unit : mm)



Rating	Size	d	L	H	FLANGE				Weight (kg)
					D	C	T	N-h	
PN 10 (DIN 2532)	40	40	140	230	150	110	18	4-18	14
	50	50	150	240	165	125	20	4-18	16
	65	65	170	270	185	145	20	4-18	21
	80	80	180	310	200	160	22	8-18	27
	100	100	190	345	220	180	22	8-18	35
	125	125	200	435	250	210	24	8-18	48
	150	150	210	510	285	240	24	8-22	60
	200	200	230	645	340	295	26	8-22	90
	250	250	250	695	395	350	28	12-22	130
PN 16 (DIN 2533)	300	300	270	810	445	400	28	12-22	160
	40	40	140	230	150	110	18	4-18	14
	50	50	150	240	165	125	20	4-18	16
	65	65	170	270	185	145	20	4-18	21
	80	80	180	310	200	160	22	8-18	27
	100	100	190	345	220	180	22	8-18	35
	125	125	200	435	250	210	24	8-18	48
	150	150	210	510	285	240	24	8-22	60
	200	200	230	645	340	295	26	12-22	90
	250	250	250	695	405	355	28	12-26	150
	300	300	270	810	460	410	28	12-26	180
	350	350	290	900	520	470	30	16-26	270
	400	400	310	1000	580	525	32	16-30	350

Test Pressure (Bar)

Rating	PN 10	PN 16	PN 10 / PN 16
Size	40A to 300A	40A to 300A	360A to 500A
Hydrostatic press test (Shell)	16	25	6
Hydrostatic press test (Seat)	10	16	3

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Iron DIN Valves

PN 10 /16 Gate Valves Non Rising Stem

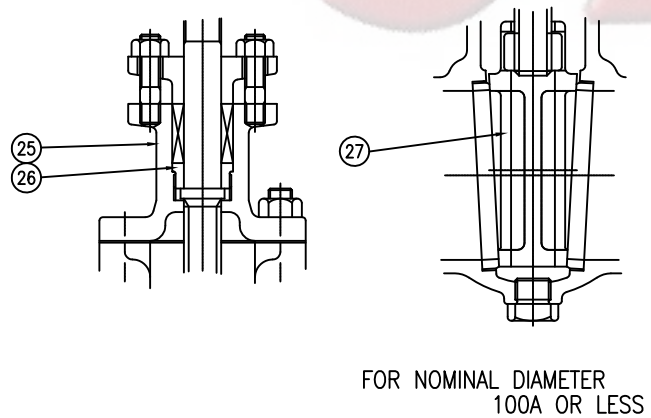
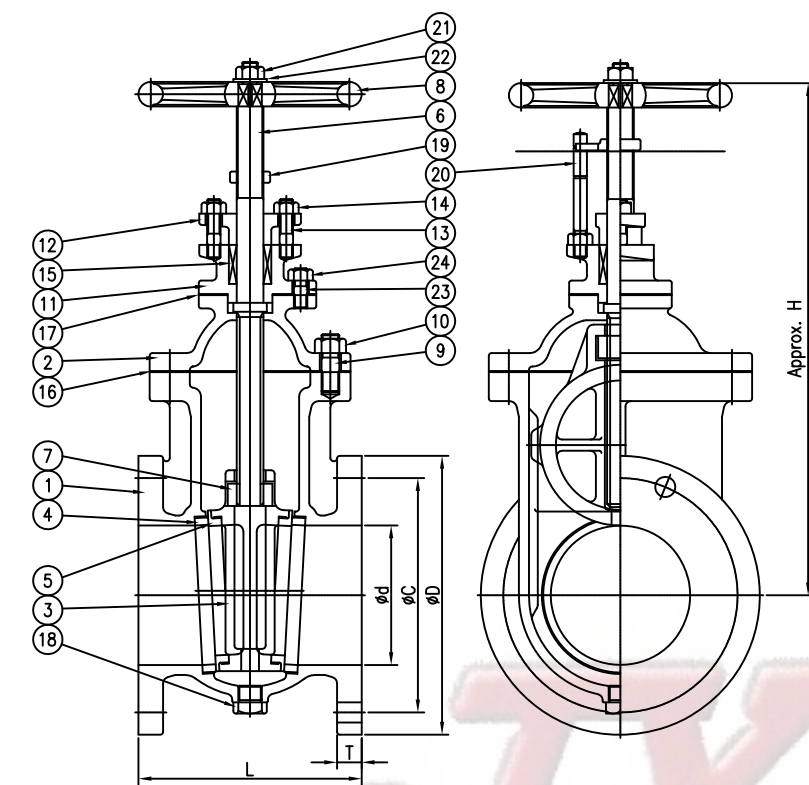
DIN 3352/2-F4(DIN3216)

Bolted Bonnet Renewable seat
Non Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	CAST IRON / DIN1691 GG-25
2	BONNET	CAST IRON / DIN1691 GG-25
3	DISC	CAST IRON / DIN1691 GG-25
4	BODY SEAT RING	BRONZE / STAINLESS STEEL
5	DISC SEAT RING	BRONZE / STAINLESS STEEL
6	STEM	BRASS / STAINLESS STEEL
7	DISC NUT	BRONZE / STAINLESS STEEL
8	HANDWHEEL	CAST IRON
9	BONNET BOLT	STEEL
10	BONNET NUT	STEEL
11	STUFFING BOX	CAST IRON
12	PACKING GLAND	BRONZE
13	GLAND BOLT	STEEL
14	GLAND NUT	STEEL
15	PACKING	NON ASBESTOS
16	BONNET GASKET	NON ASBESTOS
17	BOX GASKET	NON ASBESTOS
18	PLUG	BRASS
19	INDICATOR	BRONZE
20	INDICATOR BAR	BRASS
21	HANDLE NUT	STEEL
22	WASHER	STEEL
23	BOX BOLT	STEEL
24	BOX NUT	STEEL
25	BONNET	CAST IRON
26	PACKING RING	BRASS / STAINLESS STEEL
27	DISC	BRONZE / STAINLESS STEEL

Dimension Table (Unit : mm)

Rating	Size	d	L	H	FLANGE				Weight (kg)
					D	C	T	N-h	
PN 10 (DIN 2532)	40	40	140	230	150	110	18	4-18	13
	50	50	150	240	165	125	20	4-18	16
	65	65	170	270	185	145	20	4-18	21
	80	80	180	310	200	160	22	8-18	27
	100	100	190	345	220	180	22	8-18	35
	125	125	200	435	250	210	24	8-18	48
	150	150	210	510	285	240	24	8-22	60
	200	200	230	645	340	295	26	8-22	90
	250	250	250	695	395	350	28	12-22	130
PN 16 (DIN 2533)	300	300	270	810	445	400	28	12-22	160
	40	40	140	230	150	110	18	4-18	13
	50	50	150	240	165	125	20	4-18	16
	65	65	170	270	185	145	20	4-18	21
	80	80	180	310	200	160	22	8-18	27
	100	100	190	345	220	180	24	8-18	35
	125	125	200	435	250	210	26	8-18	48
	150	150	210	510	285	240	28	8-22	60
	200	200	230	645	340	295	30	12-22	90
	250	250	250	695	405	355	32	12-26	130
	300	300	270	810	460	410	32	12-26	160
	350	350	290	900	520	470	36	16-26	240
	400	400	310	1000	580	525	38	16-30	320



Test Pressure (Bar)

Rating	PN 10	PN 16	PN 10 / PN 16
Size	40A to 300A	40A to 300A	350A to 500A
Hydrostatic press test (Shell)	16	25	6
Hydrostatic press test (Seat)	10	16	3

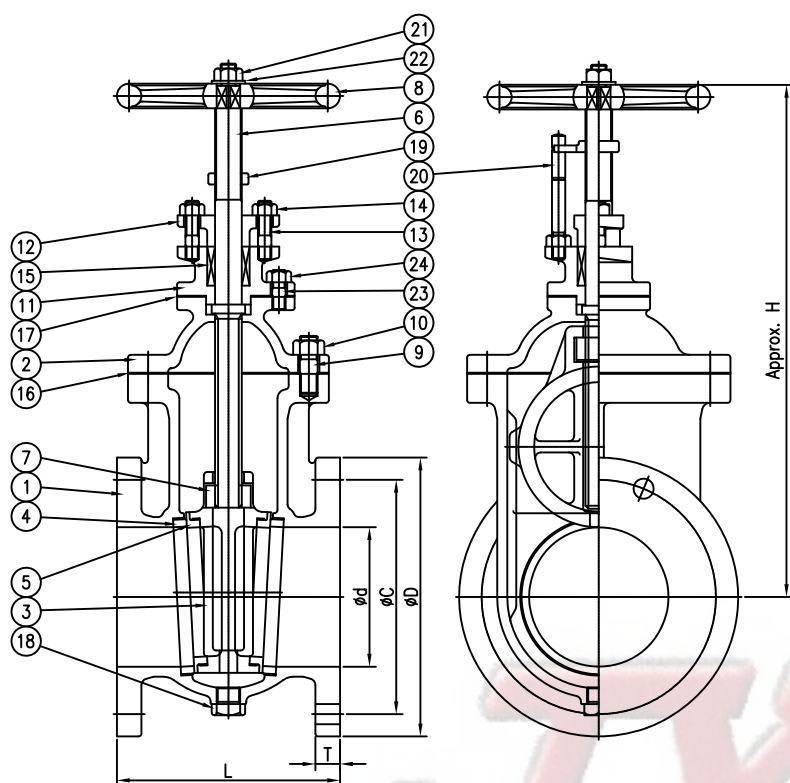
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Ductile Iron, Cast Steel DIN Valves

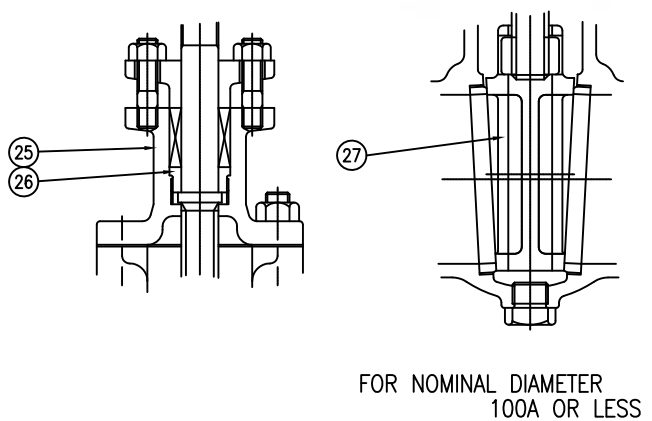
■ PN 10 /16 Gate Valves Non Rising Stem

DIN 3352/2-F4(DIN3216)



Bolted Bonnet Renewable seat
Non Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	DUCTILE IRON / DIN1693 GGG-40 CAST STEEL / DIN17245 GS-C25
2	BONNET	DUCTILE IRON / DIN1693 GGG-40 CAST STEEL / DIN17245 GS-C25
3	DISC	DUCTILE IRON / DIN1693 GGG-40 CAST STEEL / DIN17245 GS-C25
4	BODY SEAT RING	BRONZE / STAINLESS STEEL
5	DISC SEAT RING	BRONZE / STAINLESS STEEL
6	STEM	BRASS / STAINLESS STEEL
7	DISC NUT	BRONZE / STAINLESS STEEL
8	HANDWHEEL	CAST IRON
9	BONNET BOLT	STEEL
10	BONNET NUT	STEEL
11	STUFFING BOX	DUCTILE CAST IRON
12	PACKING GLAND	BRONZE
13	GLAND BOLT	STEEL
14	GLAND NUT	STEEL
15	PACKING	NON ASBESTOS
16	BONNET GASKET	NON ASBESTOS
17	BOX GASKET	NON ASBESTOS
18	PLUG	BRASS
19	INDICATOR	BRONZE
20	INDICATOR BAR	BRASS
21	HANDLE NUT	STEEL
22	WASHER	STEEL
23	BOX BOLT	STEEL
24	BOX NUT	STEEL
25	BONNET	DUCTILE CAST IRON AND CAST STEEL
26	PACKING RING	BRASS / STAINLESS STEEL
27	DISC	BRONZE / STAINLESS STEEL



Dimension Table

(Unit : mm)

Rating	Size	d	L	H	FLANGE				Weight (kg)
					D	C	T	N-h	
PN 10 (DIN 2532)	40	40	140	230	150	110	18	4-18	13
	50	50	150	240	165	125	20	4-18	16
	65	65	170	270	185	145	20	4-18	21
	80	80	180	310	200	160	22	8-18	27
	100	100	190	345	220	180	22	8-18	35
	125	125	200	435	250	210	24	8-18	48
	150	150	210	510	285	240	24	8-22	60
	200	200	230	645	340	295	26	8-22	90
	250	250	250	695	395	350	28	12-22	130
PN 16 (DIN 2533)	300	300	270	810	445	400	28	12-22	160
	40	40	140	230	150	110	18	4-18	13
	50	50	150	240	165	125	20	4-18	16
	65	65	170	270	185	145	20	4-18	21
	80	80	180	310	200	160	22	8-18	27
	100	100	190	345	220	180	24	8-18	35
	125	125	200	435	250	210	26	8-18	48
	150	150	210	510	285	240	26	8-22	60
	200	200	230	645	340	295	30	12-22	90
	250	250	250	695	405	355	32	12-26	130
	300	300	270	810	460	410	32	12-26	160
	350	350	290	900	520	470	36	16-26	240
	400	400	310	1000	580	525	38	16-30	320

Test Pressure (Bar)

Rating	PN 10	PN 16	PN 10 / PN 16
Size	40A to 300A	40A to 300A	350A to 500A
Hydrostatic press test (Shell)	16	25	6
Hydrostatic press test (Seat)	10	16	3

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Ductile Iron, Cast Steel DIN Valves

■ PN 10 /16 Gate Valves OS&Y Rising Stem

DIN 3352/2-F4(DIN3216)

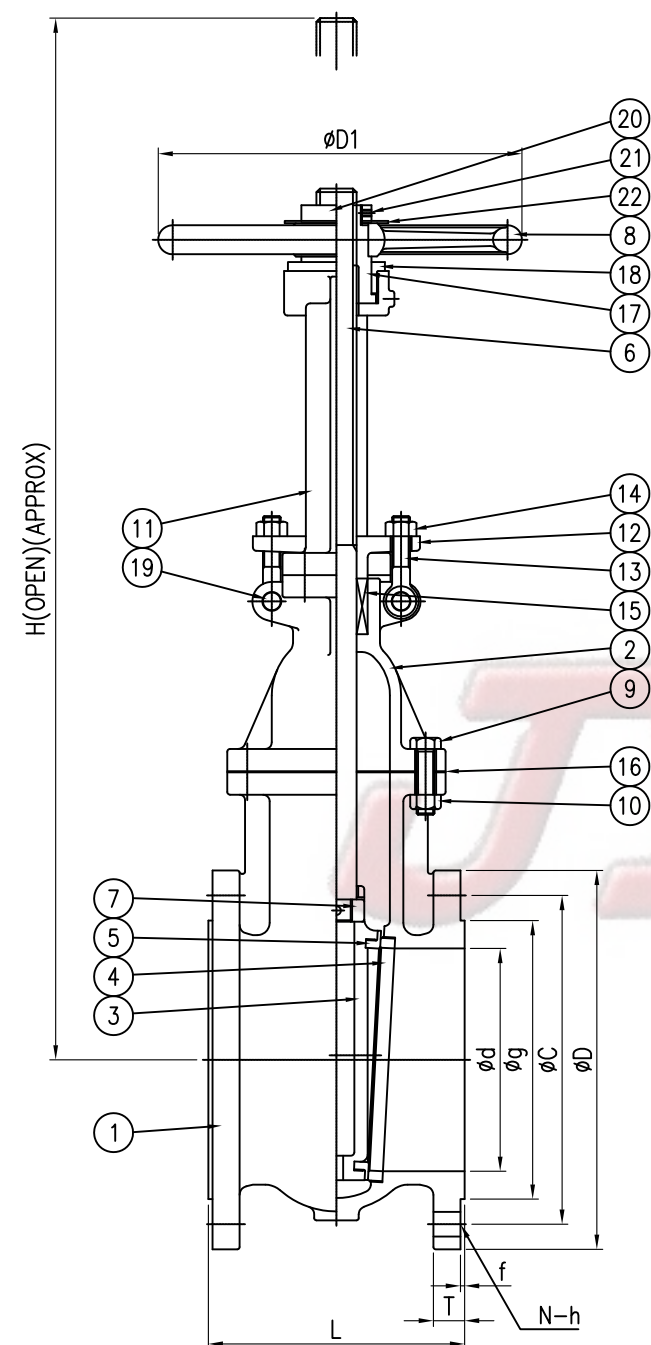
Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	DUCTILE IRON / DIN1693 GGG-40 CAST STEEL / DIN17245 GS-C25
2	BONNET	DUCTILE IRON / DIN1693 GGG-40 CAST STEEL / DIN17245 GS-C25
3	DISC	DUCTILE IRON / DIN1693 GGG-40 CAST STEEL / DIN17245 GS-C25
4	BODY SEAT RING	BRONZE / STAINLESS STEEL
5	DISC SEAT RING	BRONZE / STAINLESS STEEL
6	STEM	BRASS / STAINLESS STEEL
7	DISC NUT	BRONZE / STAINLESS STEEL
8	HANDWHEEL	CAST IRON
9	BONNET BOLT	STEEL
10	BONNET NUT	STEEL
11	BONNET YORK	DUCTILE CAST IRON / CAST STEEL
12	PACKING GLAND	BRONZE
13	GLAND BOLT	STEEL
14	GLAND NUT	STEEL
15	PACKING	NON ASBESTOS
16	BONNET GASKET	NON ASBESTOS
17	BUSH	BRONZE / BRASS
18	YORK NUT	BRASS
19	EYE BOLT PIN	STEEL
20	HANDWHEEL NUT	BRASS
21	SET SCREW	STAINLESS STEEL
22	WASHER	STEEL

Dimension Table

(Unit : mm)

Rating	Size	d	L	H	FLANGE				Weight (kg)
					D	C	T	N-h	
PN 10 (DIN 2532)	40	40	140	350	150	110	18	4-18	17
	50	50	150	385	165	125	20	4-18	19
	65	65	170	440	185	145	20	4-18	25
	80	80	180	505	200	160	22	8-18	29
	100	100	190	600	220	180	22	8-18	36
	125	125	200	695	250	210	24	8-18	47
	150	150	210	790	285	240	24	8-22	57
	200	200	230	975	340	295	26	8-22	109
	250	250	250	1070	395	350	28	12-22	126
PN 16 (DIN 2533)	300	300	270	1400	445	400	28	12-22	164
	40	40	140	350	150	110	18	4-18	13
	50	50	150	385	165	125	20	4-18	16
	65	65	170	440	185	145	20	4-18	21
	80	80	180	505	200	160	22	8-18	27
	100	100	190	600	220	180	24	8-18	35
	125	125	200	696	250	210	26	8-18	48
	150	150	210	790	285	240	26	8-22	60
	200	200	230	975	340	295	30	12-22	90
	250	250	250	1070	405	355	32	12-26	150
	300	300	270	1400	460	410	32	12-26	190
	350	350	290	1700	520	470	36	16-26	360
	400	400	310	1900	580	525	38	16-30	450



Test Pressure (Bar)

Rating	PN 10	PN 16	PN 10 / PN 16
Size	40A to 300A	40A to 300A	350A TO 500A
Hydrostatic press test (Shell)	16	25	6
Hydrostatic press test (Seat)	10	16	3

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

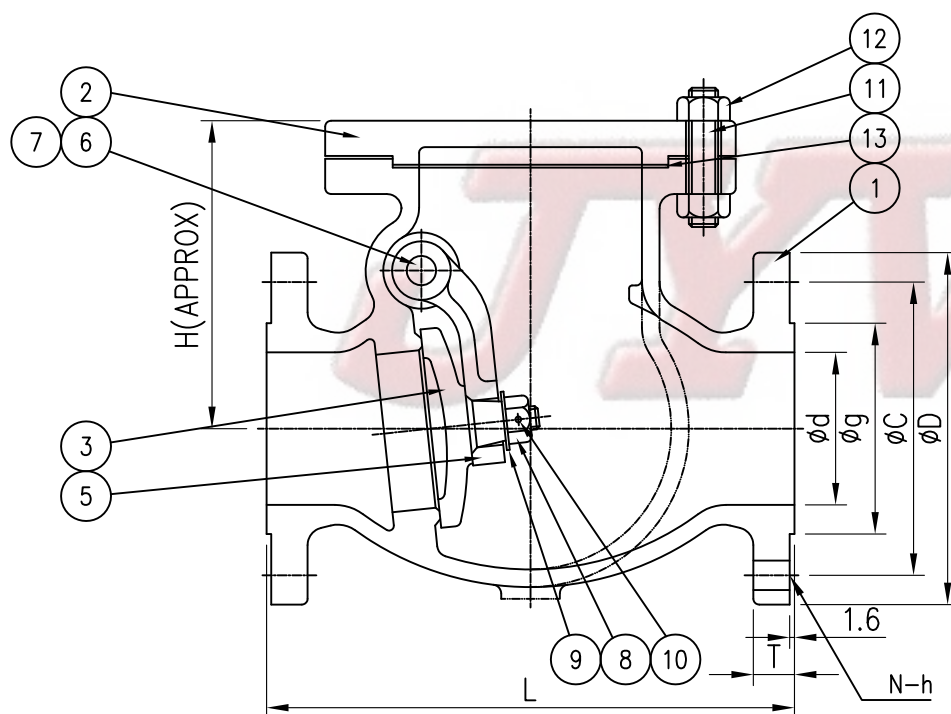
Cast Steel DIN Valves

PN 16 Swing Check Valves (Bolted Bonnet)

DIN 3232/F6

Bolted Bonnet Integral seat

NO.	PARTS	MATERIAL
1	BODY	CAST STEEL / GS-C25
2	BONNET	CAST STEEL / GS-C25
3	DISC	STAINLESS STEEL/BRONZE
4	SEAT	STAINLESS STEEL/BRONZE
5	ARM	BRONZE / ASTM B62
6	HINGE PIN	STAINLESS STEEL
7	PLUG	BRASS /STAINLESS STEEL
8	DISC LOCK NUT	BRASS
9	WASHER	STAINLESS STEEL
10	SPLIT PIN	BRONZE
11	BONNET BOLT	STEEL
12	BONNET NUT	STEEL
13	GASKET	NON ASBESTOS
14	EYE BOLT	STAINLESS STEEL



Test Pressure (Bar)

Rating	PN 16
Size	50A to 150A
Hydrostatic press test (Shell)	24
Hydrostatic press test (Seat)	16

Dimension Table (Unit : mm)

Rating	Size	50	65	80	100	125	150
ANSI 150#	d	50	65	80	100	125	150
	D	165	185	200	220	250	285
	C	125	145	160	180	210	240
	g	102	122	138	158	188	212
	t	20	20	22	24	26	26
	N-øh	4-18	4-18	8-18	8-18	8-18	8-22
	L	200	240	260	300	350	400
	H	105	145	150	160	195	215

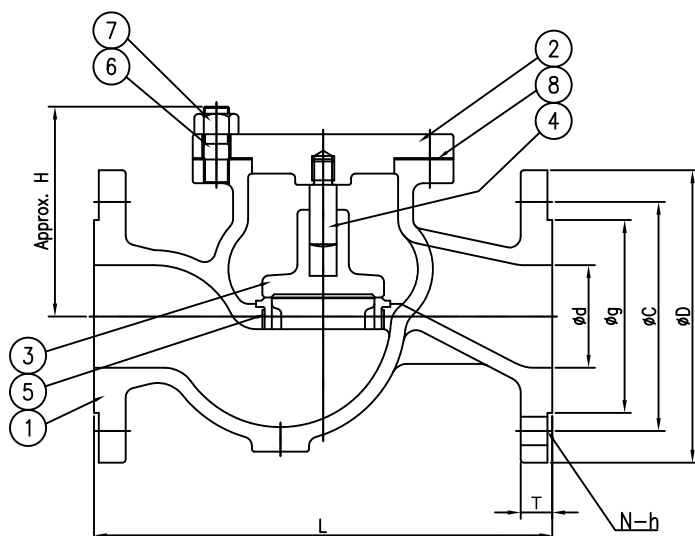
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze. Ductile Iron. Cast Steel DIN Valve

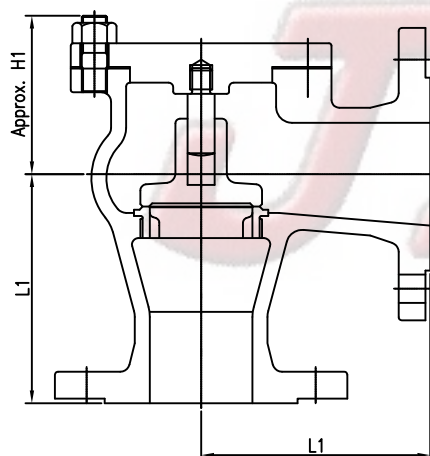
PN 10/16 Lift Check Valves

DIN 86253/F1/F32



Bolted Bonnet Integral seat
Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / DIN1705 Rg5 DUCTILE IRON/DIN1693 GGG-40 CAST STEEL/DIN17245 GS-C25
2	BONNET	BRONZE / DIN1705 Rg5
3	DISC	BRONZE
4	STEM	BRASS
5	SEAT RING	INTERIAL
6	BONNET BOLT	STAINLESS STEEL
7	BONNET NUT	STAINLESS STEEL
8	GASKET	NON ASBESTOS



Test Pressure (Bar)

Rating	PN 16	PN 10
Size	40A to 100A	40A to 100A
Hydrostatic press test (Shell)	25	16
Hydrostatic press test (Seat)	16	10

Dimension Table

(Unit : mm)

Rating	Size	d	L	L1	H	H1	FLANGE					Weight (kg)
							D	C	g	t	n-h	
PN 10 (DIN 2532)	40	40	200	115	95	75	150	110	88	14	4-18	11
	50	50	230	125	105	80	165	125	102	16	4-18	14
	65	65	290	145	120	90	185	145	122	16	4-18	20
	80	80	310	155	135	95	200	160	138	18	4-18	24
	100	100	350	175	155	105	220	180	158	18	8-18	33
Rating	Size	d	L	L1	H	H1	FLANGE					Weight (kg)
							D	C	g	t	n-h	
PN 16 (DIN 2533)	40	40	200	115	95	75	150	110	88	14	4-18	11
	50	50	230	125	105	80	165	125	102	16	4-18	14
	65	65	290	145	120	90	185	145	122	16	4-18	20
	80	80	310	155	135	95	200	160	138	18	8-18	24
	100	100	350	175	155	105	220	180	158	18	8-18	33

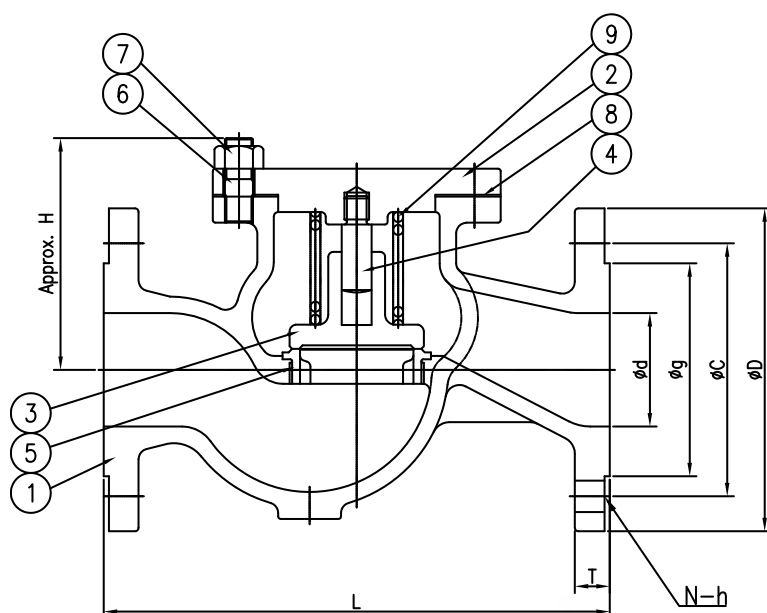
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Iron DIN Valves

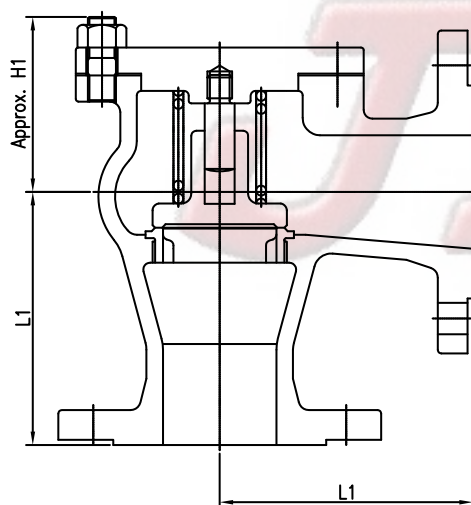
■ PN 10/16 Feed Check Valves

DIN 86253/F1/F32



Bolted Bonnet Renewable seat
Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	CAST IRON / DIN1691 GG-25
2	BONNET	CAST IRON / DIN1691 GG-25
3	DISC	BRONZE / STAINLESS STEEL
4	STEM	BRASS / STAINLESS STEEL
5	SEAT RING	BRONZE / STAINLESS STEEL
6	BONNET BOLT	STEEL
7	BONNET NUT	STEEL
8	GASKET	GRAPHITE
9	SPRING	STAINLESS STEEL



Test Pressure (Bar)

Rating	PN 16	PN 10
Size	40A to 100A	40A to 100A
Hydrostatic press test (Shell)	25	16
Hydrostatic press test (Seat)	16	10

Dimension Table

(Unit : mm)

Rating	Size	d	L	L1	H	H1	FLANGE					Weight (kg)
							D	C	g	t	n-h	
PN 10 (DIN 2532)	40	40	200	115	95	75	150	110	88	18	4-18	11
	50	50	230	125	105	80	165	125	102	20	4-18	14
	65	65	290	145	120	90	185	145	122	20	4-18	20
	80	80	310	155	135	95	200	160	138	22	4-18	24
	100	100	350	175	155	105	220	180	158	24	8-18	33
Rating	Size	d	L	L1	H	H1	FLANGE					Weight (kg)
							D	C	g	t	n-h	
PN 16 (DIN 2533)	40	40	200	115	95	75	150	110	88	18	4-18	11
	50	50	230	125	105	80	165	125	102	20	4-18	14
	65	65	290	145	120	90	185	145	122	20	4-18	20
	80	80	310	155	135	95	200	160	138	22	8-18	24
	100	100	350	175	155	105	220	180	158	24	8-18	33

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

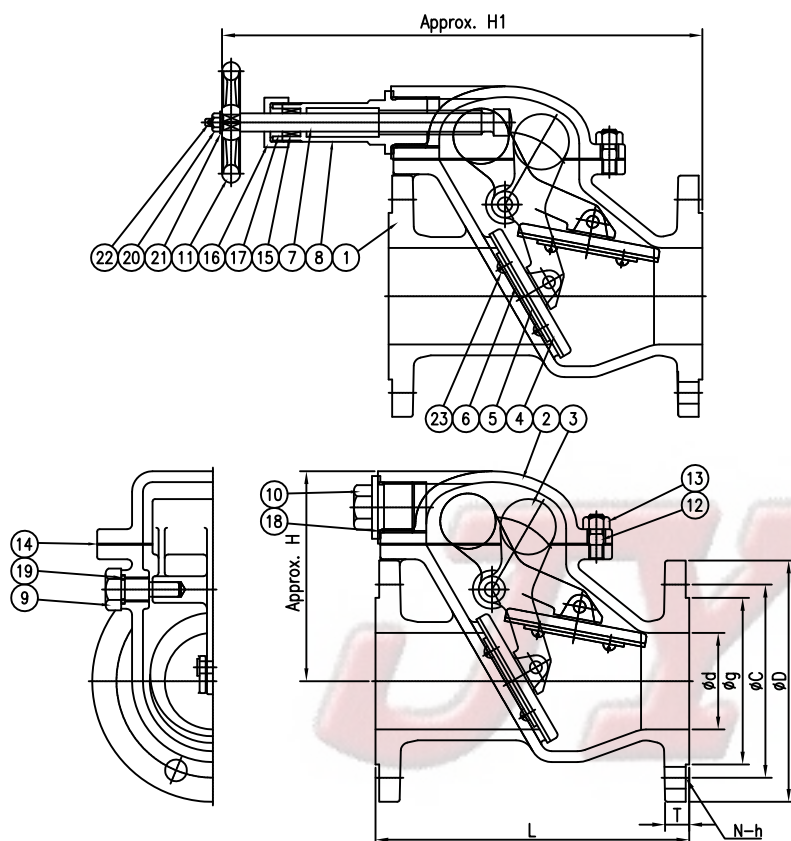
Cast Steel DIN Valves

■ PN 10/16 Storm Valves

DIN 87101/F6

Bolted Bonnet Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	CAST STEEL / DIN17245 GS-C25
2	BOONET	CAST STEEL / DIN17245 GS-C25
3	ARM	BRONZE
4	FLAP	BRONZE
5	GASKET	NBR
6	PLATE	BRASS
7	SPINDLE	BRASS
8	HEAD PIECE	BRONZE
9	STAY	STAINLESS STEEL
10	DUST PLUG	BRASS
11	HANDLE	CAST IRON
12	BONNET BOLT	STEEL
13	BONNET NUT	STEEL
14	GASKET	NON ASBESTOS
15	PACKING	NON ASBESTOS
16	GLAND NUT	BRASS
17	PACKING RING	BRASS
18	O-RING	NBR
19	O-RING	NBR
20	HANDLE NUT	BRASS
21	WASHER	STEEL
22	SPLIT PIN	BRASS
23	SET SCREW	BRASS



Dimension Table

(Unit : mm)

Rating	SIZE	d	L	H	H1	FLANGE				
						D	C	g	N-h	T
PN 10 (DIN 2532)	50	50	200	140	370	165	125	102	4-18	18
	65	65	240	150	410	185	145	122	4-18	18
	80	80	260	175	420	200	160	138	8-18	20
	100	100	300	195	510	220	180	158	8-18	20
	125	125	350	220	540	250	210	188	8-18	22
	150	150	400	245	585	285	240	212	8-22	22
Rating	SIZE	d	L	H	H1	FLANGE				
						D	C	g	N-h	T
PN 16 (DIN 2533)	50	50	200	140	370	165	125	102	4-18	18
	65	65	240	150	410	185	145	122	4-18	18
	80	80	260	175	420	200	160	138	8-18	20
	100	100	300	195	510	220	180	158	8-18	20
	125	125	350	220	540	250	210	188	8-18	22
	150	150	400	245	585	285	240	212	8-22	22

Test Pressure (Bar)

Rating	PN 10	PN 16
Size	50A to 150A	50A to 150A
Hydrostatic press test (Shell)	5.1	5.1

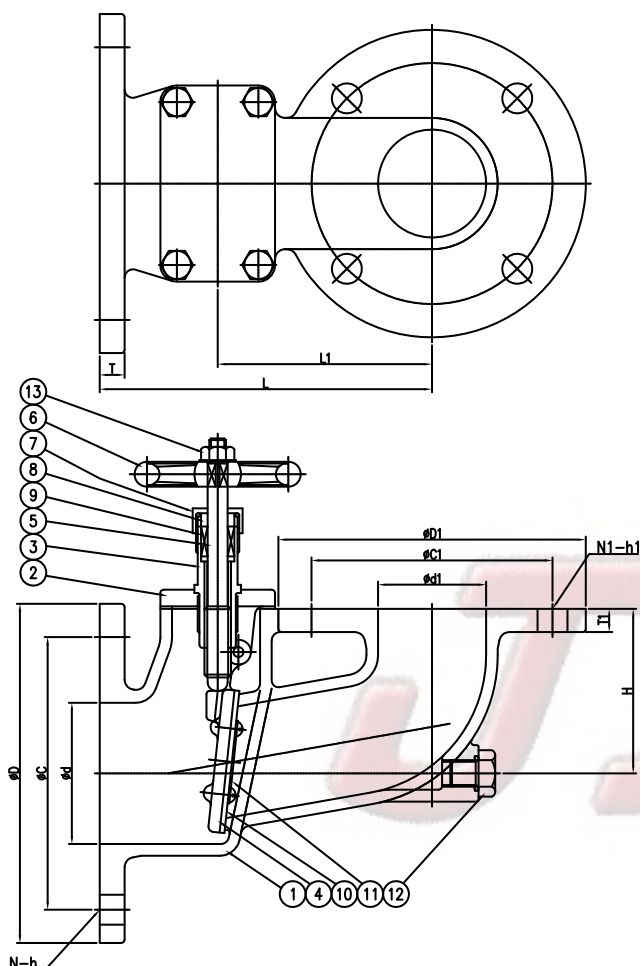
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Steel DIN Valves

■ PN 10/16 Angle Storm Valves

DIN 87101



Bolted Bonnet Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	CAST STEEL / DIN17245 GS-C25
2	BOONET	CAST STEEL / DIN17245 GS-C25
3	BONNET BUSH	BRASS
4	FLAP	BRONZE
5	STEM	BRASS OR STAINLESS STEEL
6	HANDWHEEL	CAST STEEL
7	PACKING GLAND NUT	BRASS
8	PACKING GLAND	BRASS
9	PACKING	NON ASBESTOS
10	SEAT	NBR
11	SEAT PLATE	STAINLESS STEEL PLATE
12	PLUG BOLT	STEEL
13	HANDWHEEL NUT	STEEL

Test Pressure (Bar)

Rating	PN 10	PN 16
Size	50A to 150A	50A to 150A
Hydrostatic press test (Shell)	5.1	5.1

Dimension Table

(Unit : mm)

Rating	SIZE	d	d1	L	L1	FLANGE				FLANGE			
						D	C	N-h	T	D1	C1	N1-h1	T1
PN 10 (DIN 2332)	50	68	50	180	112.5	200	165	8-18	14	165	125	4-18	13
	65	85	65	200	129	220	180	8-18	15	185	145	4-18	14
	80	100	80	215	140	250	210	8-18	15	200	160	8-18	14
	100	130	100	250	155	285	240	8-22	17	220	180	8-18	14
	125	158	125	290	176	315	270	8-22	18	250	210	8-18	16
	150	190	150	330	198.5	340	295	8-22	20	285	240	8-22	18
Rating	SIZE	d	d1	L	L1	FLANGE				FLANGE			
						D	C	N-h	T	D1	C1	N1-h1	T1
PN 16 (DIN 2333)	50	68	50	180	112.5	200	165	8-18	14	165	125	4-18	13
	65	85	65	200	129	220	180	4-18	15	185	145	4-18	14
	80	100	80	215	140	250	210	8-18	15	200	160	8-18	14
	100	130	100	250	155	285	240	8-22	17	220	180	8-18	14
	125	158	125	290	176	315	270	8-22	18	250	210	8-18	16
	150	190	150	330	585	340	295	8-22	20	285	240	8-22	18

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

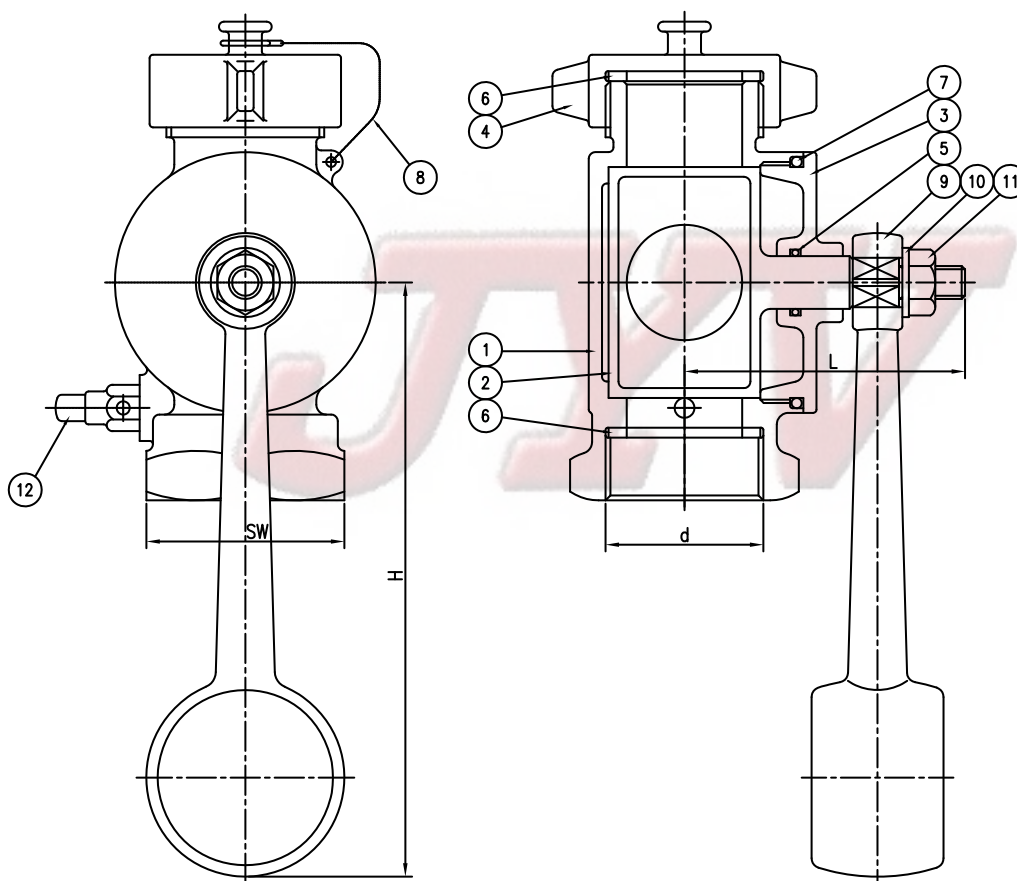


Cast Bronze DIN Valves

■ Self Closing Sounding Cocks

DIN 86120

NO.	PARTS	MATERIAL
1	BODY	BRONZE / DIN1705 Rg5
2	PLUG	BRONZE / DIN1705 Rg5
3	COVER	BRONZE / DIN1705 Rg5
4	SCREW CAP	BRONZE
5	O-RING	NBR
6	GASKET	NBR
7	O-RING	NBR
8	CHAIN WITH CLIP	BRASS
9	LEVER	CAST IRON
10	WASHER	STAINLESS STEEL
11	NUT	STAINLESS STEEL
12	DRAIN COCK	BRASS



Test Pressure (Bar)

Rating	
Hydrostatic press test (Shell)	3

Dimension Table

(Unit : mm)

SIZE	d	SW	L	H	WEIGHT(kg)
40A	R 1-1/2	60	85	190	4.0
50A	R 2	70	85	190	7.5

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

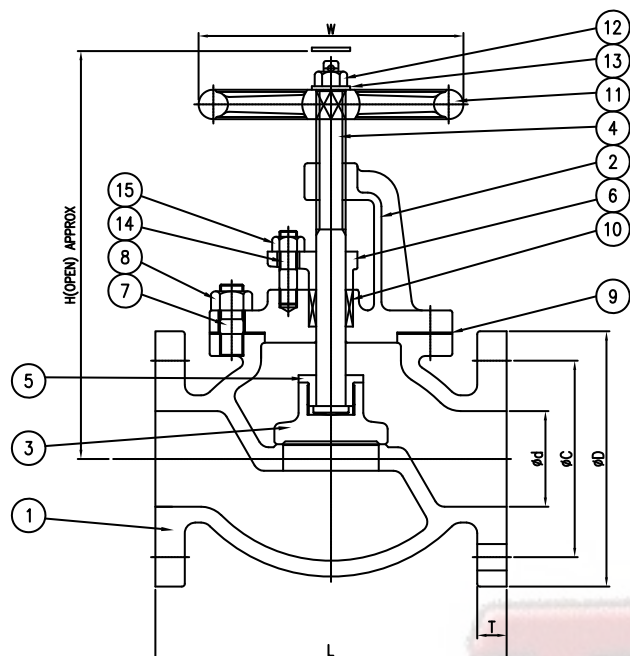
Cast Bronze DIN Valves

■ PN 10/16 Globe Valves and Globe Check Valves

DIN BB Short Type

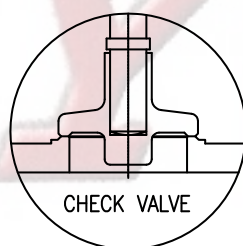
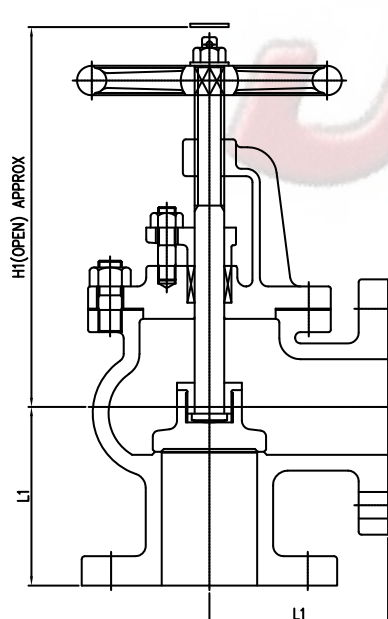
■ PN 10/16 Angle Valves and Angle Check Valves

DIN BB Short Type



Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / DIN1705 Rg5
2	BONNET	BRONZE / DIN1705 Rg5
3	DISC	BRONZE / BRASS
4	STEM	BRASS
5	DISC NUT	BRASS
6	PACKING GLAND	BRASS
7	BONNET BOLT	STAINLESS STEEL
8	BONNET NUT	STAINLESS STEEL
9	GASKET	NON ASBESTOS
10	PACKING	NON ASBESTOS
11	HANDWHEEL	CAST IRON
12	HANDLE NUT	STAINLESS STEEL
13	WASHER	STAINLESS STEEL
14	PACKING BOLT	STAINLESS STEEL
15	PACKING NUT	STAINLESS STEEL



Dimension Table

(Unit : mm)

	d	L	H	W	L1	H1	FLANGE			
							D	C	T	n-h
PN10 (DIN2532)	15	120	175	100	65	175	95	65	8	4-14
	20	120	175	100	65	175	105	75	8	4-14
	25	140	178	125	70	178	115	85	10	4-14
	32	150	200	125	90	200	140	100	10	4-18
	40	155	220	140	90	220	150	110	11	4-18
	50	180	250	140	105	250	165	125	11	4-18
	65	200	260	140	115	260	185	145	13	4-18
	80	240	300	180	125	300	200	160	14	8-18
	100	270	350	200	145	350	220	180	17	8-18
	125	320	380	224	170	380	250	210	19	8-18
	150	370	440	280	200	440	285	240	22	8-22
	200	500	620	315	250	570	340	295	22	8-22
PN16 (DIN2533)	250	730	670	400	325	550	395	350	28	12-22
	300	850	750	400	375	620	445	400	28	12-22
	200	500	620	315	250	570	340	295	22	12-22
	250	730	670	400	325	550	405	355	25	12-26
	300	850	750	400	375	620	460	410	28	12-26

Test Pressure (Bar)

Rating	PN10 / PN16
Size	15A to 200A
Hydrostatic press test (Shell)	25
Hydrostatic press test (Seat)	16

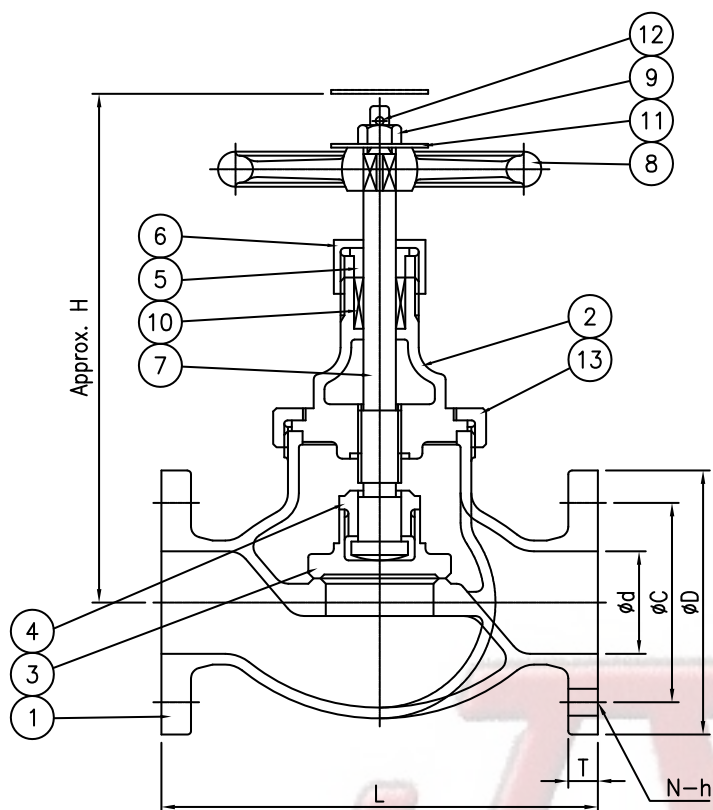
Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

Cast Bronze DIN Valves

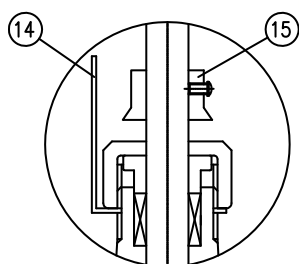
■ PN 10/PN16 Globe and Globe Check Valves (Union Bonnet Type)

DIN Long Type

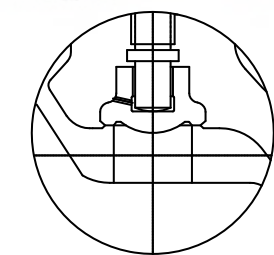


Union Bonnet Integral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / DIN1705 Rg5
2	BONNET	BRONZE / DIN1705 Rg5
3	DISC	BRONZE OR BRASS
4	DISC NUT	BRASS
5	PACKING GLAND	BRASS
6	GLAND NUT	BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HANDLE NUT	STEEL
10	PACKING	NON ASBESTOS
11	WASHER	STEEL
12	SPLIT PIN	BRASS
13	BONNET NUT	BRONZE / DIN1705 Rg5
14	INDICATOR PLATE	BRASS
15	INDICATOR PIECE	BRASS



Indicator



Screw Down Non Return
(SDNR)

Dimension Table

(Unit : mm)

NB	d	L	FLANGE				a	D1	H
			D	C	N-h	T			
10	10	120	90	60	4-14	8	2.5	80	110
15	15	120	95	65	4-14	8	3	80	115
20	20	120	105	75	4-14	8	3	80	125
25	25	140	115	85	4-14	10	3	80	140
32	32	150	140	100	4-18	10	3.5	125	155
40	40	155	150	110	4-18	11	4	125	175
50	50	180	165	125	4-18	11	4.5	125	195
65	65	200	185	145	4-18	13	5.5	140	225
80	80	240	200	160	8-18	14	6	140	225
100	100	270	220	180	8-18	17	7	160	280

Test Pressure (Bar)

Rating	PN10/PN16
Hydrostatic press test (Shell)	25
Hydrostatic press test (Seat)	16

Remark : 1. The flanges shall conform to nominal pressure DIN

It's prohibited to copy or transcribe arbitrarily.

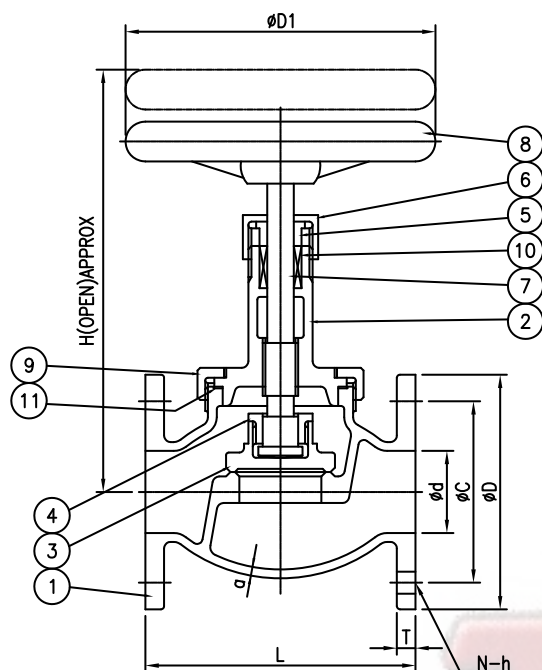
Cast Bronze DIN Valves

■ PN 10/PN16 Globe and Globe Check Valves (Union Bonnet Type)

DIN Short Type

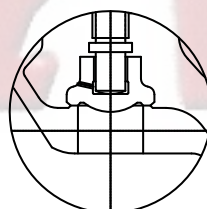
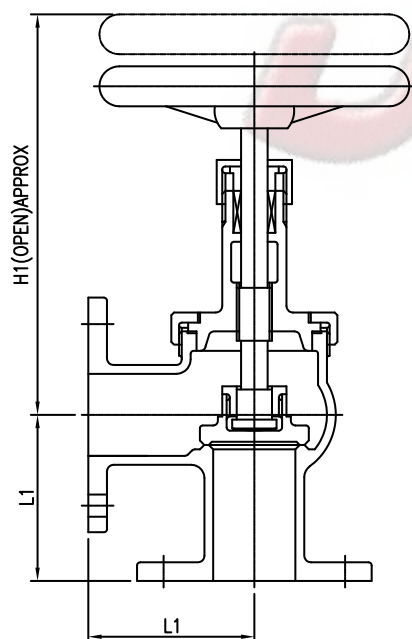
■ PN 10/PN16 Angle and Angle Check Valves (Union Bonnet Type)

DIN Short Type



Union Bonnet Integral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE / DIN1705 Rg5
2	BONNET	BRONZE / DIN1705 Rg5
3	DISC	BRONZE OR BRASS
4	DISC NUT	BRASS
5	PACKING GLAND	BRASS
6	GLAND NUT	BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	BONNET NUT	BRONZE
10	PACKING	NON ASBESTOS
11	GASKET	NON ASBESTOS



Screw Down Non Return
(SDNR)

Dimension Table

(Unit : mm)

NB	d	L	L1	FLANGE				a	D1	H	H1
				D	C	N-h	T				
10	10	70	65	90	60	4-14	8	2.5	80	110	105
15	15	70	65	95	65	4-14	8	3	80	115	105
20	20	80	70	105	75	4-14	8	3	80	125	110
25	25	90	75	115	85	4-14	10	3	80	140	125
32	32	105	90	140	100	4-18	10	3.5	125	155	140
40	40	120	100	150	110	4-18	11	4	125	175	160
50	50	140	105	165	125	4-18	11	4.5	125	195	180
65	65	180	115	185	145	4-18	13	5.5	140	225	210
80	80	200	125	200	160	8-18	14	6	140	225	240
100	100	230	-	220	180	8-18	17	7	160	280	-

Test Pressure (Bar)

Rating	PN10/PN16
Hydrostatic press test (Shell)	25
Hydrostatic press test (Seat)	16

Remark : 1. The flanges shall conform to nominal pressure DIN

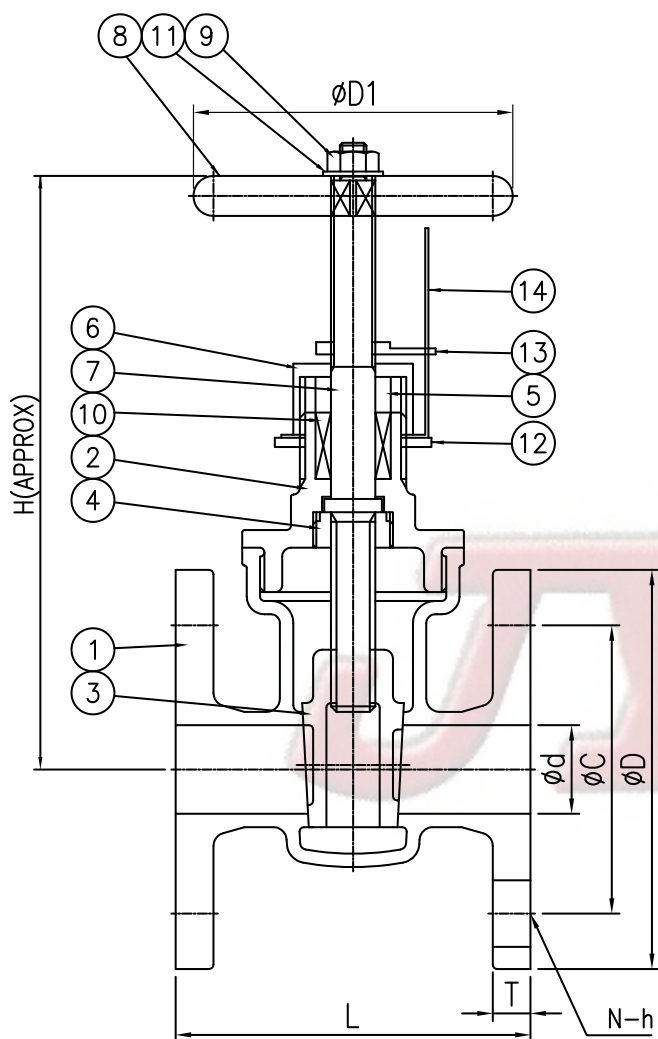
It's prohibited to copy or transcribe arbitrarily.



Cast Bronze DIN Valves

■ PN 16 Gate Valves (Screw Bonnet) Non Rising Stem with Indicator

DIN 3352-T11



NO.	PARTS	MATERIAL
1	BODY	BRONZE / DIN1705 Rg5
2	BONNET	BRONZE / DIN1705 Rg5
3	DISC	BRONZE / DIN1705 Rg5
4	RING	BRASS
5	PACKING GLAND	BRASS
6	GLAND NUT	BRASS
7	STEM	BRASS
8	HANDWHEEL	CAST IRON
9	HANDLE NUT	STEEL
10	PACKING	NON ASBESTOS
11	WASHER	STEEL
12	DOUBLE NUT	BRASS
13	INDICATOR	STEEL
14	INDICATOR PLATE	BRASS PLATE

Test Pressure (Bar)

Rating	PN16
Hydrostatic press test (Shell)	25
Hydrostatic press test (Seat)	16

DIMENSIONS(mm)

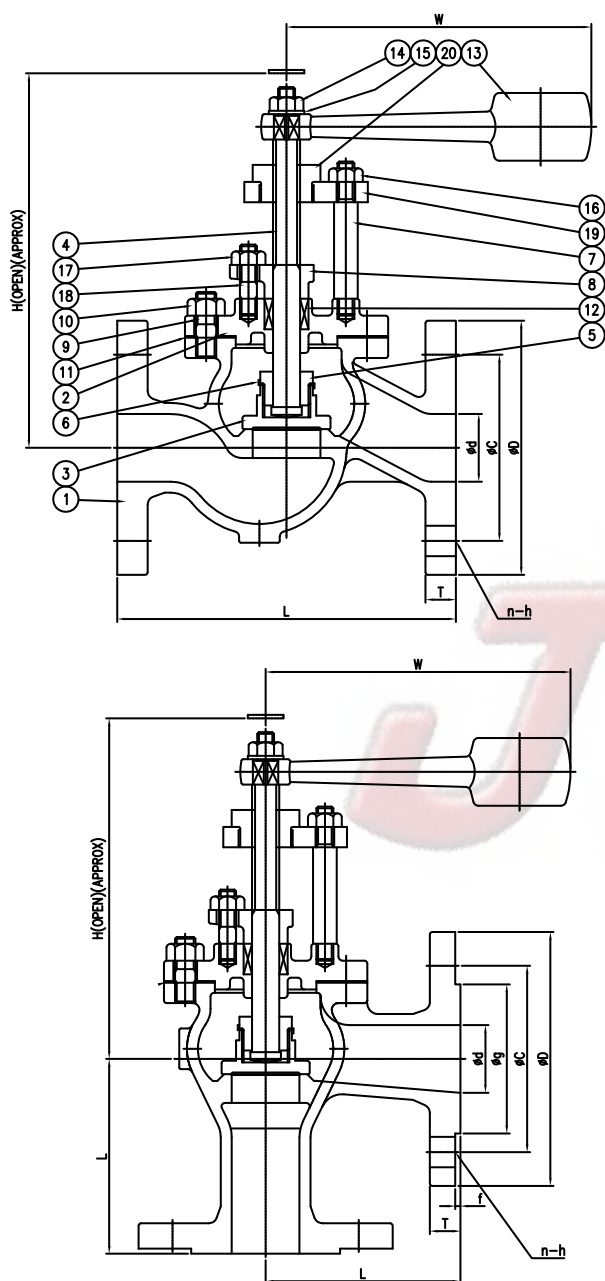
NB	d	L	D	C	N-h	T	D1	H
20	20	80	105	75	4-14	8	80	155
25	25	80	115	85	4-14	9.5	80	165
32	32	100	140	100	4-18	10.5	100	175
40	40	140	150	110	4-18	11.5	100	185
50	50	150	165	125	4-18	12	125	210
65	65	170	185	145	4-18	13	140	250
80	80	180	200	160	8-18	14	160	300
100	100	190	220	180	8-18	15	160	330

It's prohibited to copy or transcribe arbitrarily.

Ductile Iron, Cast Steel DIN Valves

■ PN 10/ 16 Self-Closing Valves Weight Loaded Type

DIN /F1/F32



Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	DUCTILE IRON / DIN1693 GGG-40 CAST STEEL / DIN17245 GS-C25
2	BONNET	DUCTILE IRON / DIN1693 GGG40 CAST STEEL / DIN17245 GS-C25
3	DISC	BRONZE / STAINLESS STEEL
4	STEM	BRASS / STAINLESS STEEL
5	DISC NUT	BRONZE / STAINLESS STEEL
6	SET SCREW	STEEL
7	STAY	STEEL
8	PACKING GLAND	BRONZE
9	BONNET BOLT	STEEL
10	BONNET NUT	STEEL
11	GASKET	NON ASBESTOS
12	PACKING	NON ASBESTOS
13	LEVER	DUCTILE IRON
14	HANDLE NUT	STEEL
15	WASHER	STEEL
16	STAY NUT	STEEL
17	PACKING NUT	STEEL
18	PACKING BOLT	STEEL
19	BUSH SUPPORT	STEEL
20	BUSH	BRASS

Test Pressure (Bar)

Rating	PN10 / PN16
Size	15A to 150A
Hydrostatic press test (Shell)	25
Hydrostatic press test (Seat)	16

Dimension Table

(Unit : mm)

	d	L	L1	D	C	T	n-h	W	H	H
PN10 PN16	20	150	95	105	75	14	4-14	180	190	170
	25	160	100	115	85	14	4-14	180	195	175
	32	180	105	140	100	14	4-18	180	205	185
	40	200	115	150	110	16	4-18	180	210	195
	50	230	145	165	125	16	4-18	180	240	215

Remark : 1. The name plate shall be specified by purchaser as required

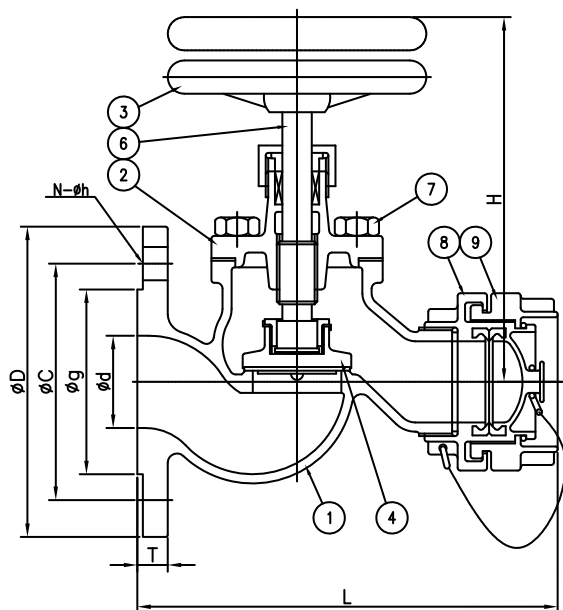
It's prohibited to copy or transcribe arbitrarily.



Cast Bronze DIN Valves

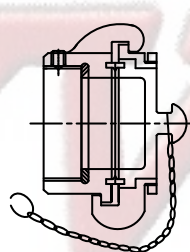
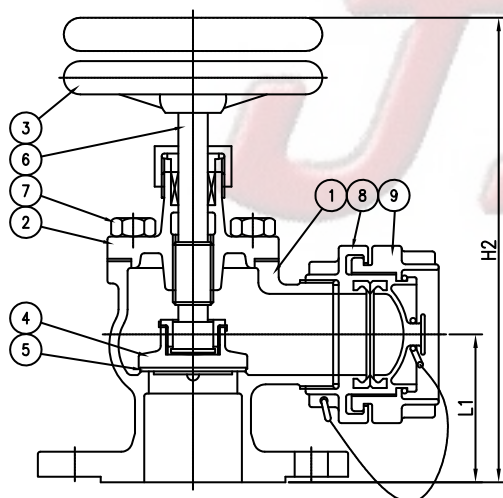
■ PN 10/ 16 Hydrant Valves

DIN 86211

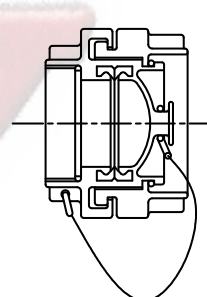


Bolted Bonnet Integral seat
Flanged Ends

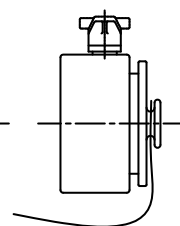
NO.	PARTS	MATERIAL
1	BODY	BRONZE / DIN1705 Rg5
2	BONNET	BRONZE / DIN1705 Rg5
3	HANDWHEEL	CAST IRON
4	DISC	BRONZE
5	SEAT	INTEGRAL
6	STEM	BRASS
7	BOLT	STAINLESS STEEL
8	COUPLING BODY	BRONZE
9	COUPLING DUST	BRONZE



(NAKAJIMA COUPLING)
40A to 65A



(STORZ COUPLING)
40A to 65A



(AB COUPLING)
ONLY 65A

Test Pressure (Bar)

Rating	PN10 / PN16
Size	40A to 65A
Hydrostatic press test (Shell)	16
Hydrostatic press test (Seat)	10

Dimension Table

(Unit : mm)

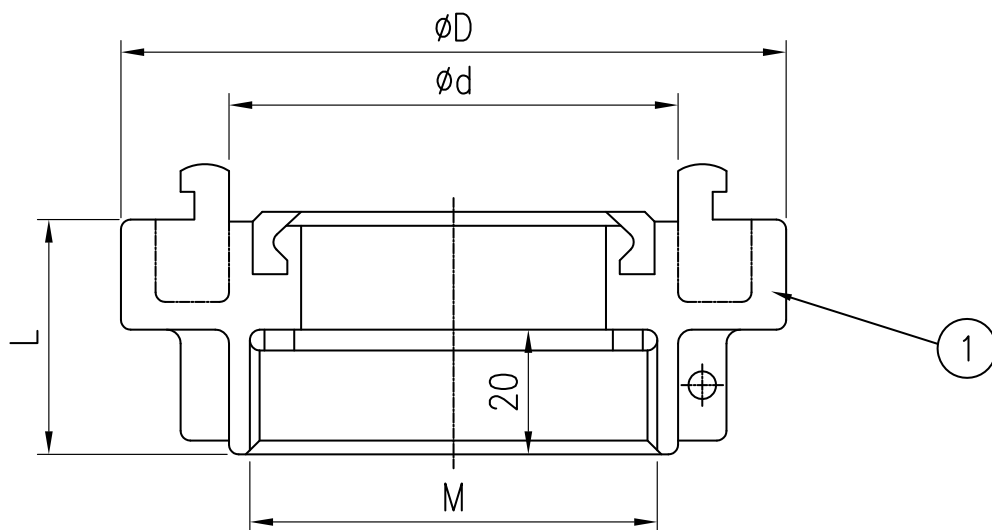
Rating	Size	d	L	L1	H	H1	FLANGE					Weight (kg)GL	Weight (kg)AG
							D	C	g	t	n-h		
PN 10 PN 16	40	40	165	75	170	165	150	110	88	14	4-18	8	8
	50	50	222	75	175	235	165	125	102	16	4-18	9	8.5
	65	65	260	90	205	265	185	145	122	16	4-18	16	15

Remark : 1. The name plate shall be specified by purchaser as required.

It's prohibited to copy or transcribe arbitrarily.

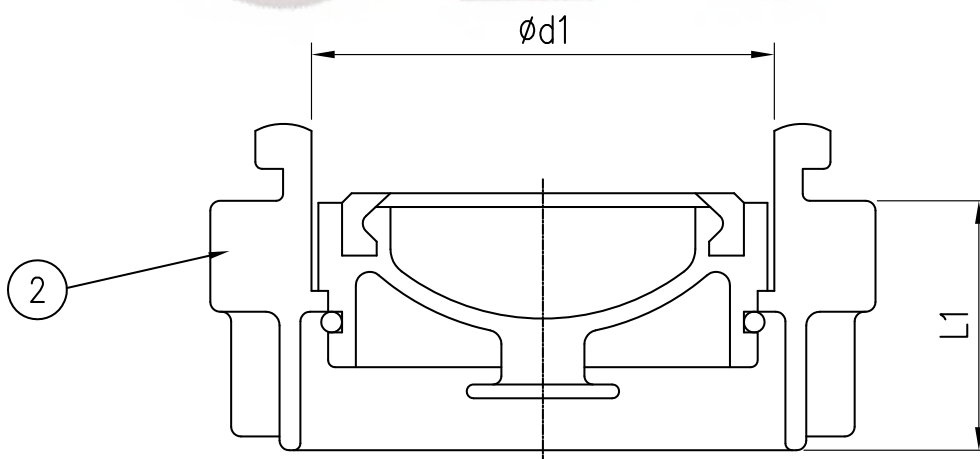
Hose Coupling

Storz Type Coupling



DIMENSION TABLE

SIZE	d	D	M	L
40	52	78	M52x2	32
50	66	98	M64x2	35
65	81	116	M80x2	40
	89	124	M80x2	40



DIMENSION TABLE

SIZE	d1	L1
40	52	32
50	66	35
65	81	40
	89	40

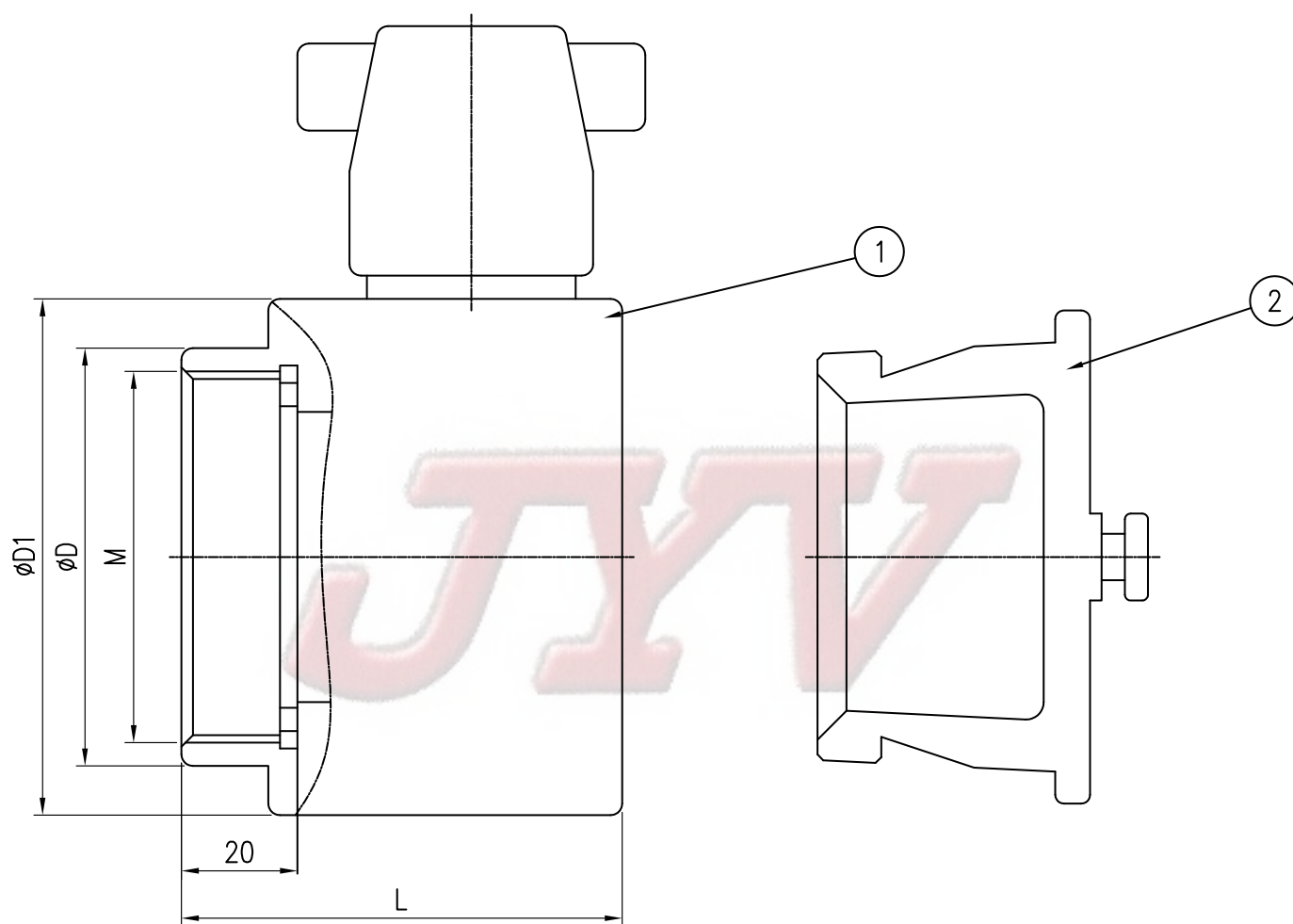
NO.	PARTS	MATERIAL
1	COUPLING	BRONZE
2	GASKET	BRONZE

It's prohibited to copy or transcribe arbitrarily.



Hose Coupling

■ SB336 Coupling (John Morris Coupling, Instantaneous Coupling)



DIMENSION TABLE

SIZE d	D	D1	M	L
50	72	89	M64x2	76
65	89	89	M80x2	76

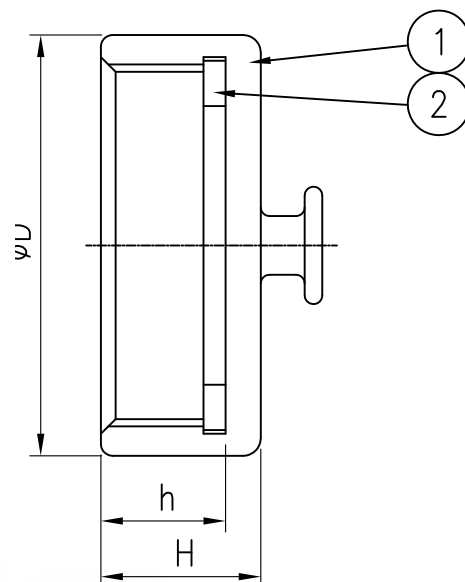
NO.	PARTS	MATERIAL
1	COUPLING	BRONZE
2	CAP	BRONZE

Hose Coupling

ANSI Threads Coupling

HOSE COUPLING SCREW THREADS
(AMERICAN NATIONAL FIRE HOSE THREADS, NFPA 194)

NOM. SIZE	THREAD PER INCH	PITCH P	BASIC HEIGHT OF THREAD h	MINIMUM INTERNAL THREAD DIMENSIONS			EXTERNAL(NIPPLE) THREAD DIMENSIONS		
				MIN. MINOR DIA.	BASIC PITCH DIA.	BASIC MAJOR DIA.	MAX. MAJOR DIA.	MAX. PITCH DIA.	MAX. MINOR DIA.
3/4	8	3.175	2.062	31.11	33.17	35.23	34.93	32.86	30.80
1	8	3.175	2.062	31.11	33.17	35.23	34.93	32.86	30.80
1-1/2	9	2.822	1.833	47.19	49.02	50.85	50.55	48.71	46.88
2-1/2	7-1/2	3.387	2.200	73.92	76.12	78.32	77.94	75.74	73.54



NAVY HOSE COUPLING SCREW THREADS (MIL-F-19488)

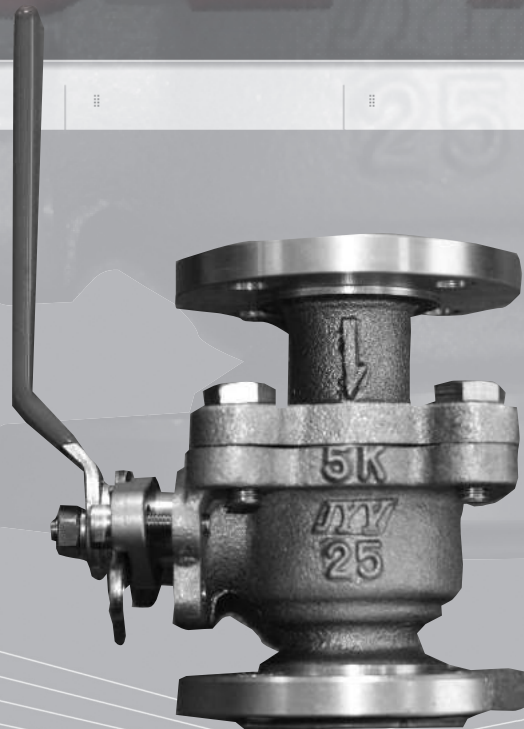
NOM. SIZE	THREAD PER INCH	PITCH P	HEIGHT OF THREAD h	COUPLING(INTERNAL) THREAD DIMENSIONS				NIPPLE(EXTERNAL) THREAD DIMENSIONS			
				PITCH DIA		MINOR DIA		PITCH DIA		MAJOR DIA	
				MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
3/4	11-1/2	2.209	1.435	25.33	25.11	24.11	23.68	24.86	24.64	26.29	25.86
1	11-1/2	2.209	1.435	31.93	31.71	30.71	30.28	31.64	31.24	32.90	32.45
1-1/2	11-1/2	2.209	1.435	46.76	46.54	45.54	45.11	46.29	46.07	47.72	47.29
2-1/2	7-1/2	3.387	2.200	76.53	76.12	74.74	73.92	75.74	75.34	77.94	77.13

SIZE	D	h	H
3/4	38	18	22
1	43	18	22
1-1/2	58	19	25
2-1/2	90	20	25

NO.	PARTS	MATERIAL
1	COUPLING	BRONZE
2	GASKET	RUBBER

It's prohibited to copy or transcribe arbitrarily.

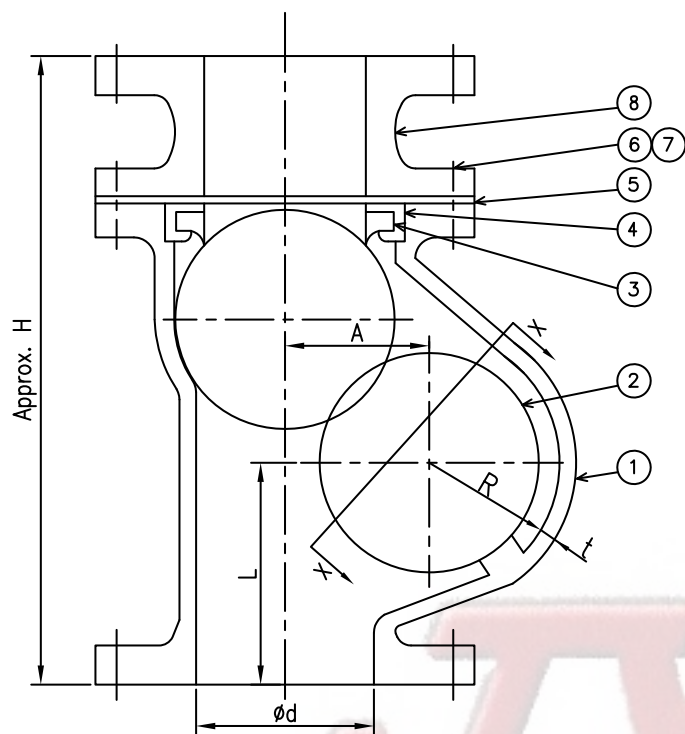
SPECIAL VALVE



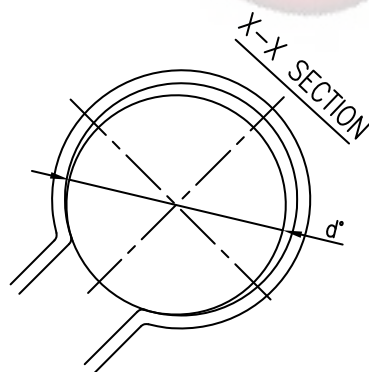
It's prohibited to copy or transcribe arbitrarily.

Special Valves

JIS 5K Float Check Valves For Over Flow Pipes



NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	FLOAT	STAINLESS STEEL
3	PACKING	RUBBER
4	HOLDER	BRONZE
5	GASKET	NON ASBESTOS
6	STUD BOLT	STEEL / BRASS
7	NUT	STEEL / BRASS
8	PIECE	CAST IRON



Test Pressure (MPa)

Rating	JIS 5K
Hydrostatic press test (Shell)	0.5
Hydrostatic press test (Seat)	0.25

Dimension Table (Unit : mm)

Rating	Size	d	d*	t	R	A	L	H	WEIGHT kg
JIS 5K	50	50	70	5	37	50	81	240	6.5
	65	65	95	6	50	65	99	285	11.5
	80	80	105	7	55	75	108	315	16
	100	100	125	8	65	90	133	365	22.5
	125	125	155	9	82	114	154	425	33.5
	150	150	185	10	97	135	174	475	47
	200	200	230	12	120	150	205	505	72.5
	250	250	300	14	156	195	250	600	120
	300	300	350	15	182	235	285	680	170

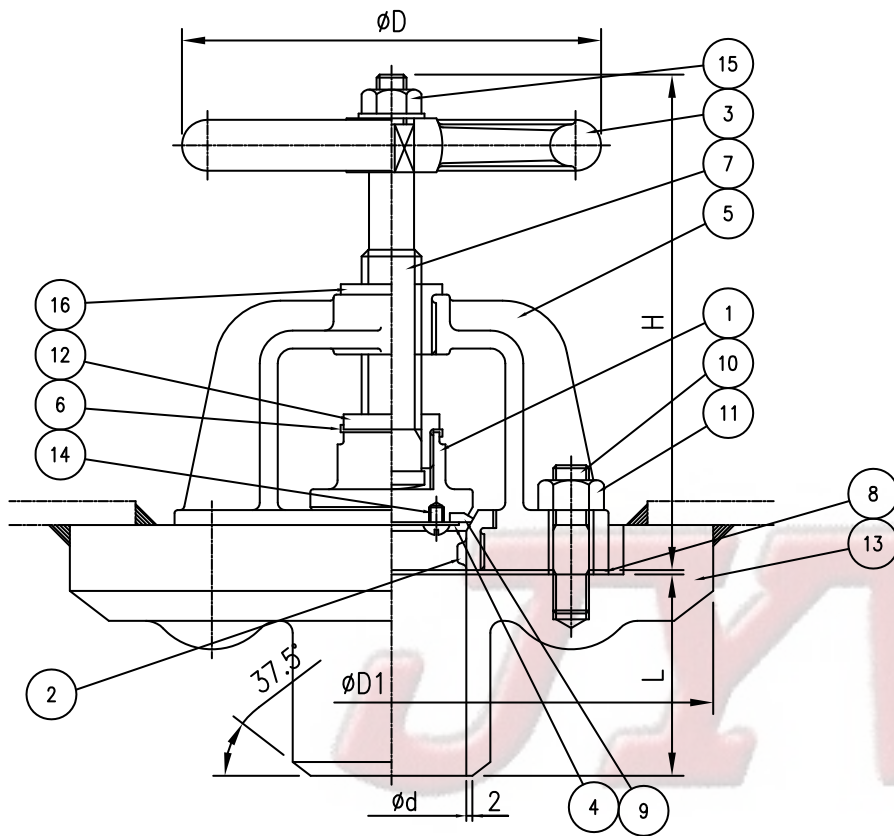
Remark : 1. The flanges shall conform to nominal pressure 5K of JIS B 2240.

It's prohibited to copy or transcribe arbitrarily.



Special Valves

■ Surface Valves for Spill Oil (With Handle)



NO.	PARTS	MATERIAL
1	DISC	BRONZE
2	SEAT RING	BRONZE
3	HANDLE	CAST IRON
4	PLATE	BRASS
5	STAND	CAST STEEL
6	DISC STOPPER	BRASS
7	STEM	STAINLESS STEEL
8	GASKET	NON ASBESTOS
9	VALVE SEAT	NBR
10	BOLT	STEEL
11	NUT	STEEL
12	DISC NUT	BRASS
13	LINER	CAST STEEL
14	SET SCREW	BRASS
15	NUT	BRASS
16	BUSH	BRONZE

Test Pressure (MPa)

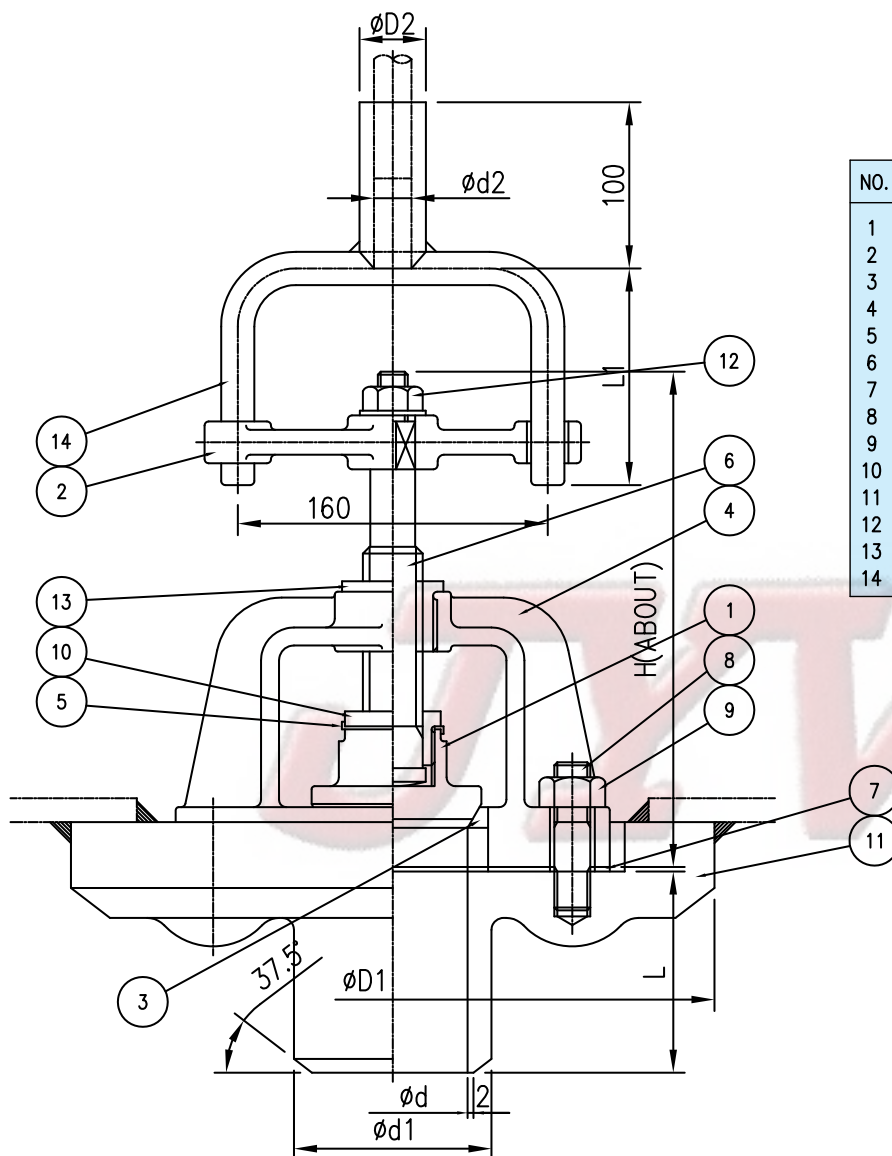
Hydrostatic press test (Shell)	2
Hydrostatic press test (Seat)	2

Dimension Table (Unit : mm)

Model No.	Size	d	L	H	D1	D
JYV-SFV-50	50	50	80	250	215	140
JYV-SFV-65	65	65	90	300	256	160
JYV-SFV-80	80	80	100	350	275	160
JYV-SFV-100	100	100	120	350	300	160
JYV-SFV-125	125	125	120	350	350	200
JYV-SFV-150	150	150	120	450	380	250
JYV-SFV-200	200	200	120	450	435	280
JYV-SFV-250	250	150	120	480	490	315
JYV-SFV-300	300	200	120	480	560	355

Special Valves

■ Surface Valves(Natural Discharge Type)



NO.	PARTS	MATERIAL
1	DISC	STEEL
2	FORK HANDLE	STEEL
3	SEAT RING	BRONZE
4	STAND	CAST STEEL
5	DISC STOPPER	BRASS
6	STEM	STAINLESS STEEL
7	GASKET	NON ASBESTOS
8	BOLT	STEEL
9	NUT	STEEL
10	DISC NUT	BRASS
11	LINER	STEEL
12	NUT	BRASS
13	BUSH	BRONZE
14	HANDLE FORK	STEEL

Test Pressure (MPa)

Hydrostatic press test (Shell)	2
Hydrostatic press test (Seat)	2

Dimension Table (Unit : mm)

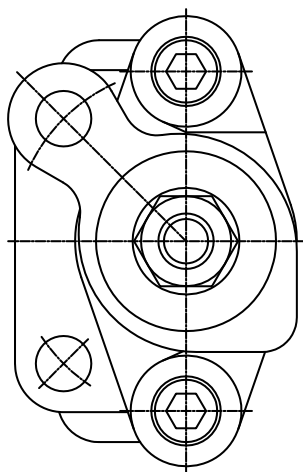
Model No.	Size	d	d2	H	D1	D2
JYV-SFVD-100	100	100	25	195	300	40
JYV-SFVD-125	125	125	25	220	350	40
JYV-SFVD-150	150	150	25	255	380	40
JYV-SFVD-200	200	200	32	290	435	55
JYV-SFVD-250	250	250	32	335	490	55
JYV-SFVD-300	300	300	32	365	560	55



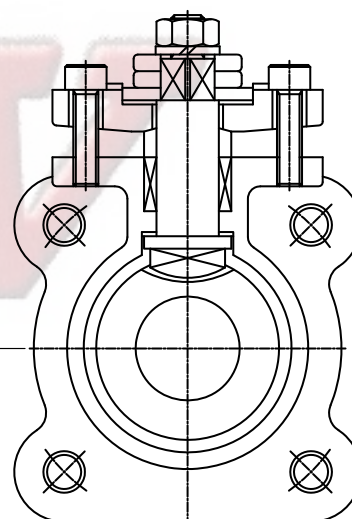
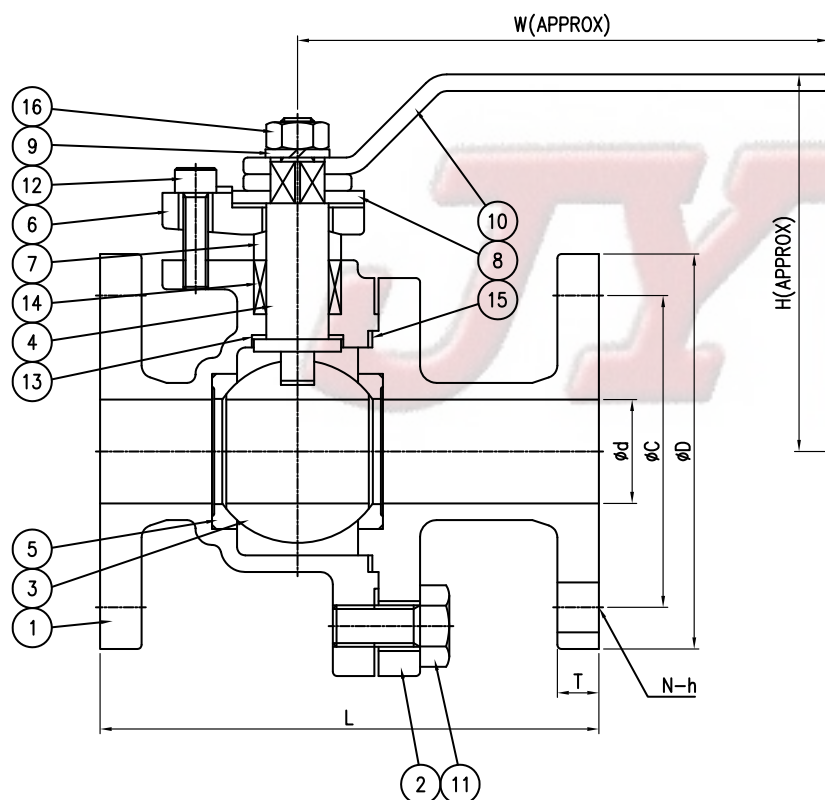
Cast Bronze Ball valves

■ JIS 5K 2Way Ball Valves Pull Bore

JYV Ball-01



NO.	PARTS	MATERIAL
1	BODY	BRONZE /JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	BALL	SUS304 OR SUS316
4	STEM	SUS304 OR SUS316
5	SEAT	PTFE
6	GLAND FLANGE	STAINLESS STEEL
7	PACKING RING	SUS304 OR SUS316
8	STOPPER	STAINLESS STEEL
9	HANDLE WASHER	STAINLESS STEEL
10	HANDLE LEVER	STAINLESS STEEL
11	BODY BOLT	STAINLESS STEEL
12	PACKING BOLT	SUS304
13	THRUST WASHER	PTFE
14	PACKING	PTFE
15	GASKET	PTFE
16	LEVER NUT	SUS304



Test Pressure (MPa)

Rating	JIS 5K
Hydrostatic press test (Shell)	1.05
Hydrostatic press test (Seat)	0.77

Dimension Table (Unit : mm)

Rating	Size	d	L	FLANGE				H	W
				D	C	N-h	T		
JIS5K	15A	15	100	80	60	4-12	9	80	100
	20A	20	110	85	65	4-12	10	80	100
	25A	25	120	95	75	4-12	10	90	150
	32A	32	140	115	90	4-15	12	90	150
	40A	40	160	120	95	4-15	12	95	150
	50A	50	178	130	105	4-15	14	100	150

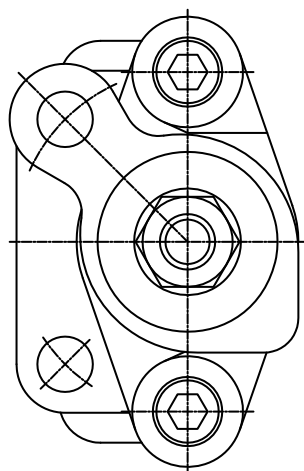
Remark : 1. The flanges shall conform to nominal pressure 5K and 10K.

It's prohibited to copy or transcribe arbitrarily.

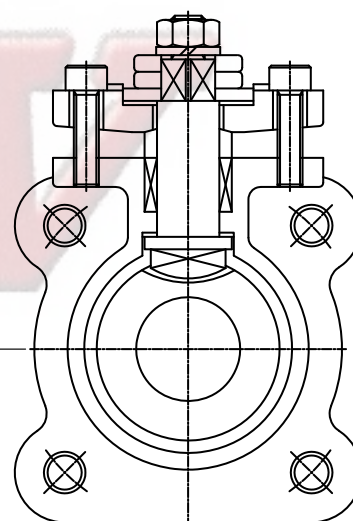
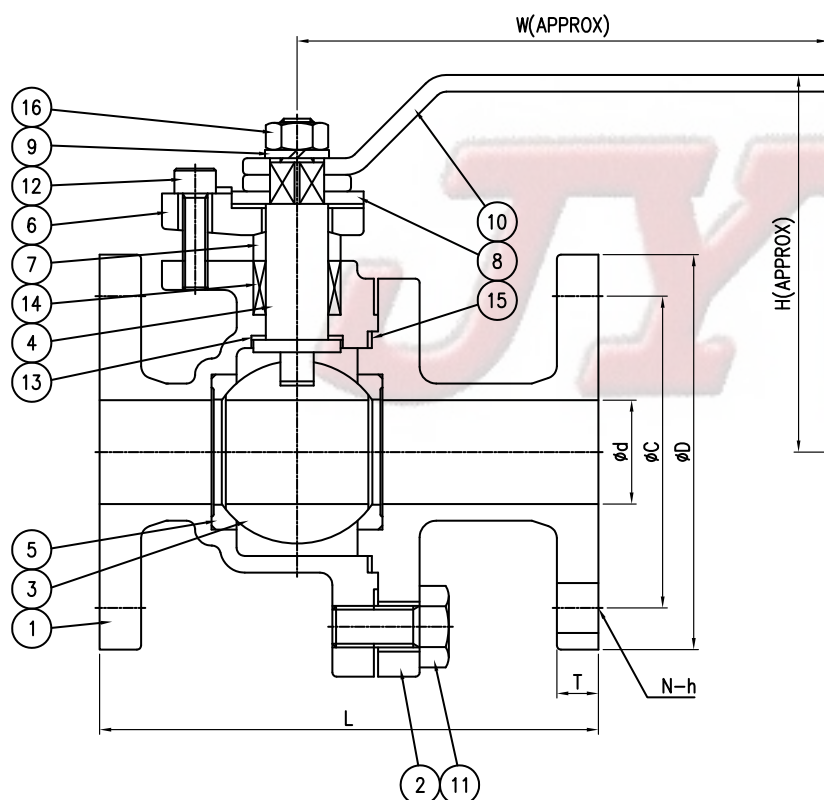
Cast Bronze Ball valves

■ JIS 10K 2Way Ball Valves Pull Bore

JYV Ball-02



NO.	PARTS	MATERIAL
1	BODY	BRONZE /JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	BALL	SUS304 OR SUS316
4	STEM	SUS304 OR SUS316
5	SEAT	PTFE
6	GLAND FLANGE	STAINLESS STEEL
7	PACKING RING	SUS304 OR SUS316
8	STOPPER	STAINLESS STEEL
9	HANDLE WASHER	STAINLESS STEEL
10	HANDLE LEVER	STAINLESS STEEL
11	BODY BOLT	STAINLESS STEEL
12	PACKING BOLT	SUS304
13	THRUST WASHER	PTFE
14	PACKING	PTFE
15	GASKET	PTFE
16	LEVER NUT	SUS304



Test Pressure (MPa)

Rating	JIS 10K
Hydrostatic press test (Shell)	2.1
Hydrostatic press test (Seat)	1.54

Dimension Table (Unit : mm)

Rating	Size	d	L	FLANGE				H	W
				D	C	N-h	T		
JIS 10K	15A	15	110	95	70	4-15	12	80	100
	20A	20	120	100	75	4-15	14	80	100
	25A	25	130	125	90	4-19	14	90	150
	32A	32	160	135	100	4-19	16	90	150
	40A	40	180	140	105	4-19	16	95	150
	50A	50	178	155	120	4-19	16	100	150

Remark : 1. The flanges shall conform to nominal pressure 5K and 10K.

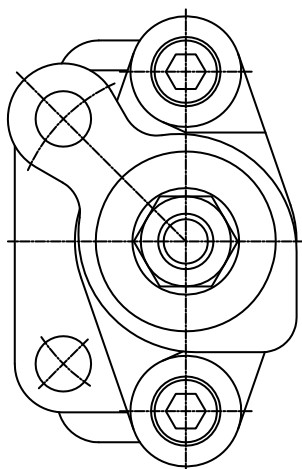
It's prohibited to copy or transcribe arbitrarily.



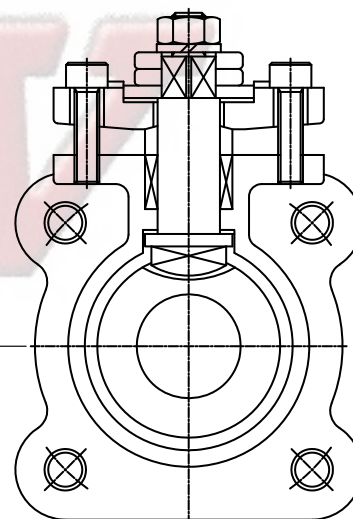
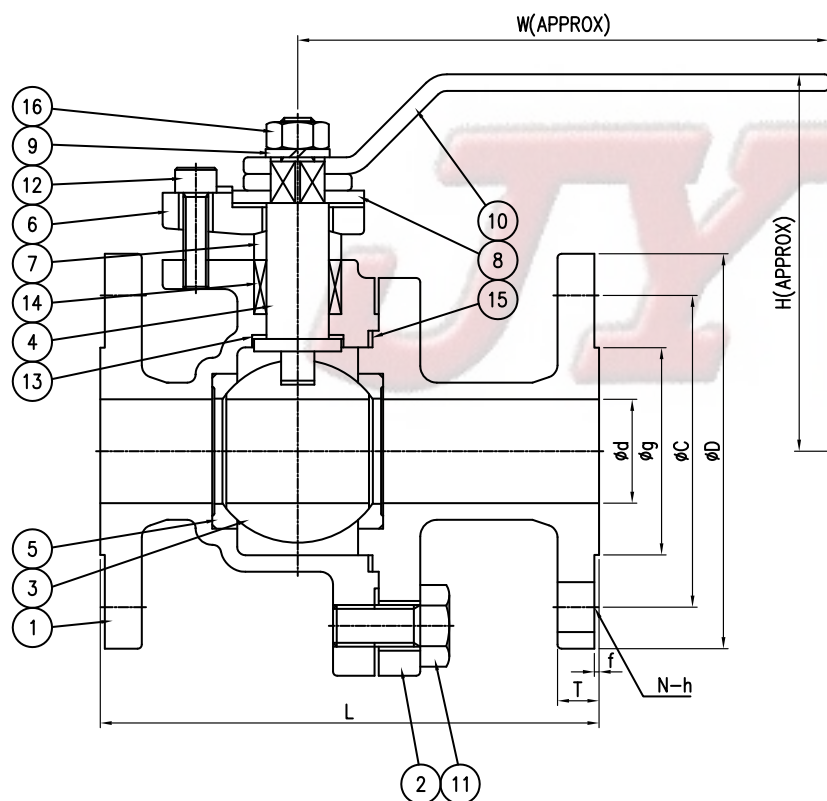
Cast Bronze Ball valves

■ JIS 16K 2Way Ball Valves Pull Bore

JYV Ball-03



NO.	PARTS	MATERIAL
1	BODY	BRONZE / ASTM B62
2	BONNET	BRONZE / ASTM B62
3	BALL	SUS304 OR SUS316
4	STEM	SUS304 OR SUS316
5	SEAT	PTFE
6	GLAND FLANGE	STAINLESS STEEL
7	PACKING RING	SUS304 OR SUS316
8	STOPPER	STAINLESS STEEL
9	HANDLE WASHER	STAINLESS STEEL
10	HANDLE LEVER	STAINLESS STEEL
11	BODY BOLT	STAINLESS STEEL
12	PACKING BOLT	SUS304
13	THRUST WASHER	PTFE
14	PACKING	PTFE
15	GASKET	PTFE
16	LEVER NUT	SUS304



Test Pressure (HPa)

Rating	CLASS150
Hydrostatic press test (Shell)	3.3
Hydrostatic press test (Seat)	2.42

Dimension Table (Unit : mm)

Rating	Size	d	L	FLANGE				H	W
				D	C	N-h	T		
JIS 16K	15A	15	108	95	70	4-15	12	80	100
	20A	20	117	100	75	4-15	14	80	100
	25A	25	127	125	90	4-19	14	90	150
	32A	32	140	135	100	4-19	16	90	150
	40A	40	165	140	105	4-19	16	95	150
	50A	50	178	155	120	8-19	16	100	150

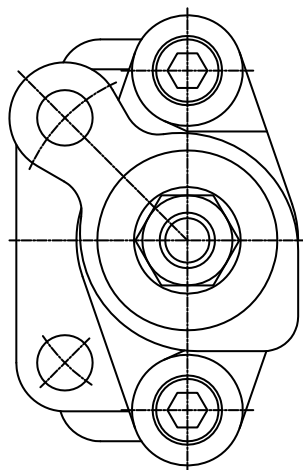
Remark : 1. The flanges shall conform to nominal pressure 5K and 10K.

It's prohibited to copy or transcribe arbitrarily.

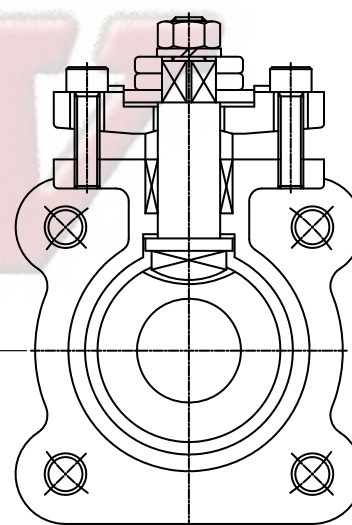
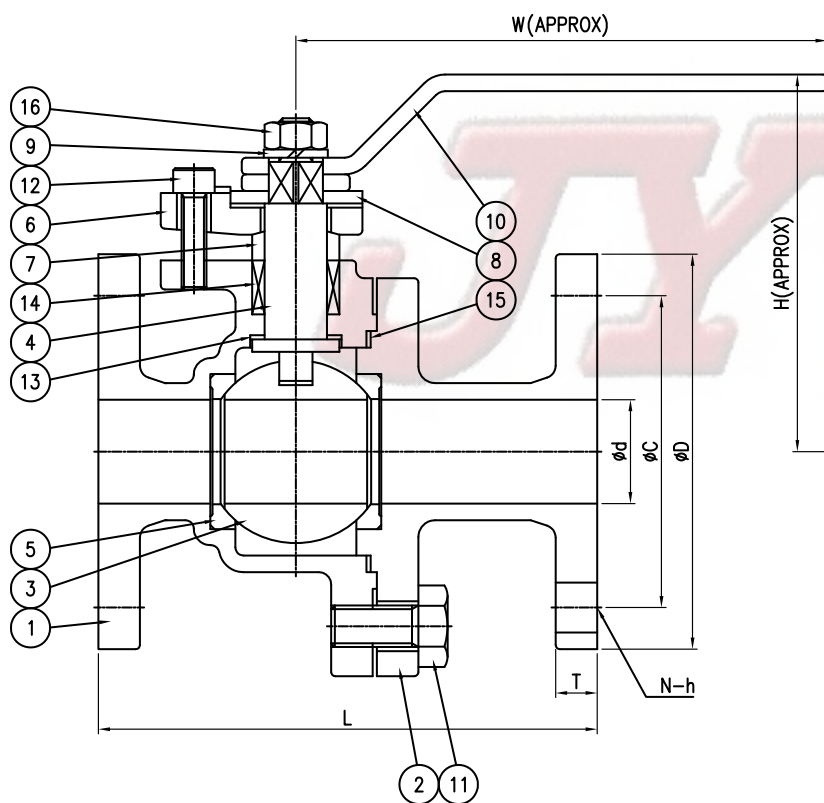
Cast Bronze Ball valves

■ CLASS 150 2Way Ball Valves Pull Bore

JYV Ball-04



NO.	PARTS	MATERIAL
1	BODY	BRONZE /JIS H5120 CAC406
2	BONNET	BRONZE / JIS H5120 CAC406
3	BALL	SUS304 OR SUS316
4	STEM	SUS304 OR SUS316
5	SEAT	PTFE
6	GLAND FLANGE	STAINLESS STEEL
7	PACKING RING	SUS304 OR SUS316
8	STOPPER	STAINLESS STEEL
9	HANDLE WASHER	STAINLESS STEEL
10	HANDLE LEVER	STAINLESS STEEL
11	BODY BOLT	STAINLESS STEEL
12	PACKING BOLT	SUS304
13	THRUST WASHER	PTFE
14	PACKING	PTFE
15	GASKET	PTFE
16	LEVER NUT	SUS304



Test Pressure (Psi)

Rating	CLASS150
Hydrostatic press test (Shell)	450
Hydrostatic press test (Seat)	325

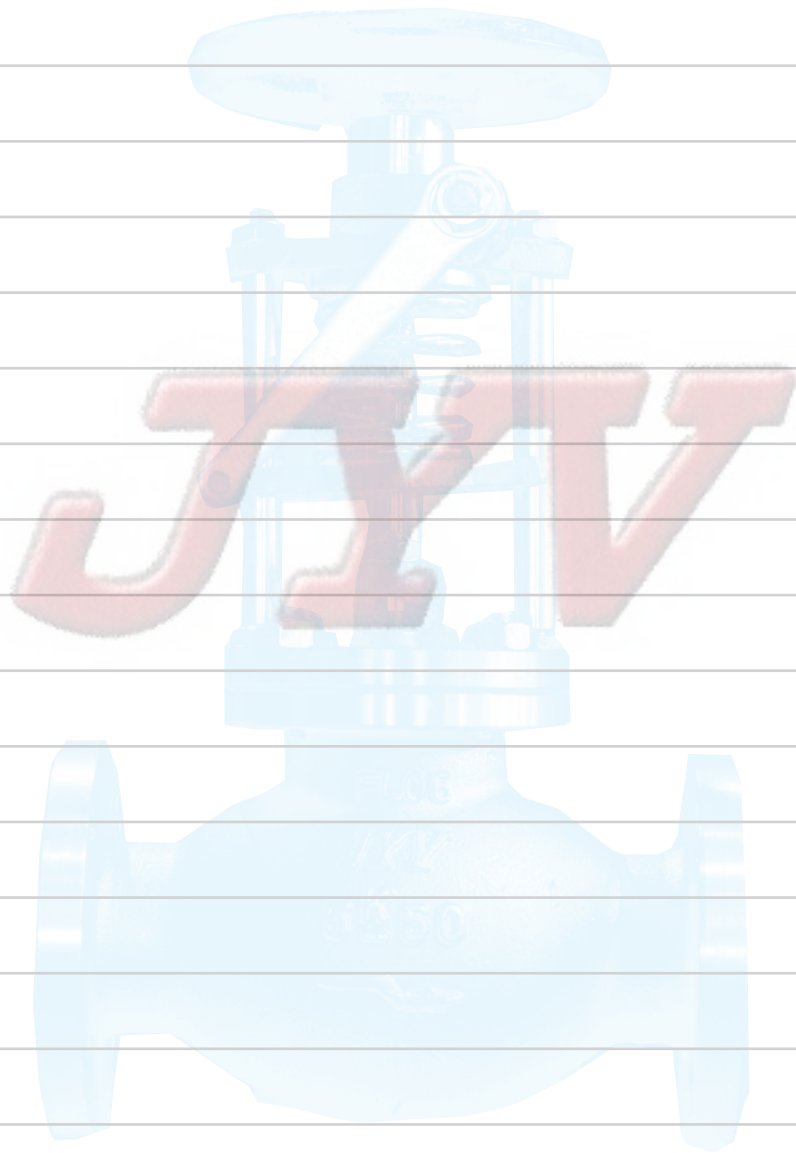
Dimension Table (Unit : mm)

Rating	Size	d	L	FLANGE				H	W
				D	C	N-h	T		
150#	15A	15	108	95	70	4-14	11.6	80	100
	20A	20	117	100	75	4-14	13.2	80	100
	25A	25	127	125	90	4-14	14.7	90	150
	32A	32	140	135	100	4-18	16.3	90	150
	40A	40	165	140	105	4-18	17.5	95	150
	50A	50	178	155	120	4-18	19.5	100	150

It's prohibited to copy or transcribe arbitrarily.



MEMO




MEMO





MEMO





PRODUCTS
DIN, JIS, ANSI, VALVE
(BRONZE, SUS etc.)
Specialize in the manufacture
speciality of valves



***JYV* JAEYOU INDUSTRY CO., LTD.**

#1591-10, SONGJEONG DONG, GANGSEO-GU, BUSAN, KOREA
TEL : +82-51-831-9835~6 FAX : +82-51-831-9837
E-mail : ja9835@naver.com



It's prohibited to copy or transcribe arbitrarily.