

AN ISO 9001:2008 COMPANY



OFFERING **SOLUTIONS**
NOT JUST **PRODUCTS**

JAYANT VALVES
BECAUSE QUALITY MATTERS

A stylized blue icon of a valve handle or stem assembly, positioned to the right of the company name.

Since 1989



www.jayantvalves.com

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CMD's Message



From just a small company in 1989, Jayant Valves has today emerged as one of the leading manufacturers and exporter of Industrial Valves. I extend my warm regards to all those who have been a part of our company in this journey.

We at Jayant Valves are committed to our core values that demands compliance with laws, stringent policies regarding quality and on the top of everything preservation of environment. I assure you that my team and I will always keep our pace with the technological advancements and new techniques and practices of the business. Having crossed several milestones, we still aspire to take the name of Jayant Valves across several other spectrums of the trade. With the same vision, commitment and passion, upon which Jayant Valves was built, we will strive towards a brighter tomorrow for Jayant Valves and the industry at large.

Parasmal S. Bokadia
Chairman & Managing Director



About Us

1989....Not just a company but a vision was born..

Jayant Valves an ISO 9001 certified company was established in the year 1989. Over the period of three decades since commencing its business activities it has provided its services across a broad spectrum of industries like Oil & Gas, Chemicals, Petrochemicals, Fertilizers, Power Plants, Paper Industries, Refineries, Atomic Energy Plant, Building Equipment, Water and Waste Water Industries. With its conventional values and ultra modern technologies Jayant Valves has steered its way to its present day position in the market which is being India's top-tier manufacturer and exporter of Industrial Valves. After three decades of serving the demands of a huge market across various sectors, today our product's presence cuts across the length and breadth of India. Ranging from Gate Valve, Globe Valve, Swing Check Vavles, Forged Steel Valves, Pressure Seal Valves, API 6D Valves with significant expertise accumulated over the years today our product range confirms to international standards such as API, ASTM, ANSI, Din, BS, NACE & MSS. Approval from the Indian Boiler Board is a testimony of standards of our in-house manufacturing facilities.



Our Products...

- Gate Valves
- Globe Valves
- Swing Check Valves
- Forged Steel Gate, Globe & Lift Check Valve
- Pressure Seal Bonnet Gate, Globe & Swing Check Valve
- API 6D Gate Valve
- API 6D Swing Check Valve



The Vision that drives us...

To be one of the premiere and preferred provider of Industrial Valves across the world.

The Mission that is at the core of all our functions...

- To create and deliver solutions that fits our client's needs.
- To commit only what we can deliver.
- To constantly strive for excellence.

Our Foundry Division

Ramdev Castings Private Limited is our sister concern in the field of foundry casting. It is integrated foundry with all modern technological equipments. Ramdev Castings is an innovative and efficient stainless steel foundry offers a wide range of products for various industries like Pumps & Valves, Hydro Turbines, Mining, Power Generations, Cement, Thermal and Nuclear & general engineering sector.

Company Co-Ordinates



Our Valve Unit (Gujarat, India)



Our Foundry Unit (Gujarat, India)

Major Clients & Approvals



JAYANT ENGINEERING AND MARKETING PVT. LTD.
ISO 9001:2008
 MANUFACTURE AND SALES OF GATE VALVES FROM 2" TO 48", GLOBE VALVES FROM 2" TO 24" SWING CHECK VALVES FROM 2" TO 32".

100% Customer Satisfaction




JAYANT ENGINEERING & MARKETING PVT. LTD.
 11 JUN 2014

IBR Approved



Lloyd's Register
 Inspection Release Note

11 JUN 2014




TÜV Rheinland
 INSPECTION RELEASE NOTE

11 JUN 2014




ISIRI
 ISIRI 1007

ISIRI 1007



IFCO
 INSPECTION REPORT

11 JUN 2014



ESSAR OIL LIMITED
 PLATE RELEASE ORDER

11 JUN 2014



Indian Oil Corporation Limited
 PURCHASE ORDER

11 JUN 2014



NAGARJUNA FERTILISERS AND CHEMICALS LIMITED
 PURCHASE ORDER

11 JUN 2014



Global Toyo
 PURCHASE ORDER

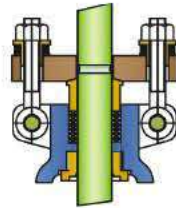
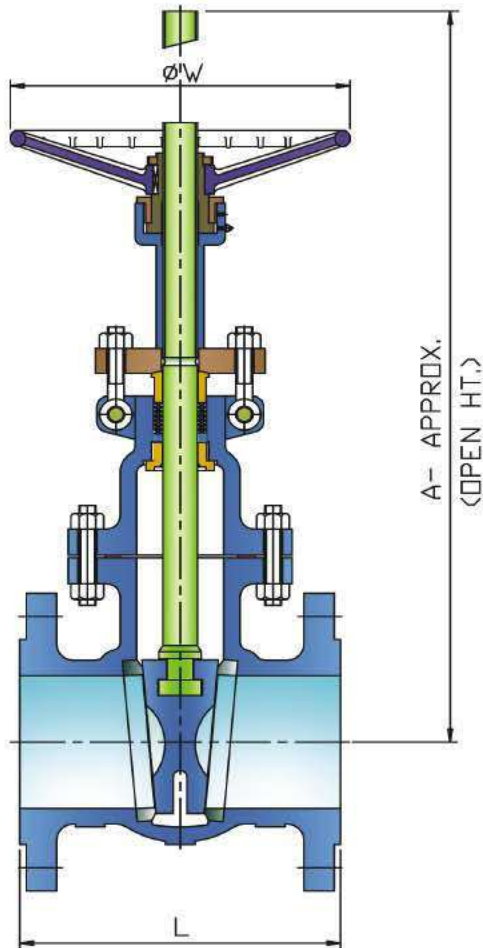
11 JUN 2014



Wilson
 PURCHASE ORDER

11 JUN 2014

Gate Valves



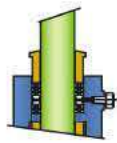
Live Loading Arrangement



Locking Arrangement



Limit Switch Arrangement



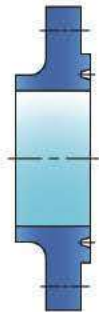
Vacuum Seal Arrangement



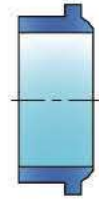
Gear Box Arrangement



Position Indicator Arrangement



RTJ Flange End



Butt weld End



Electrical Actuator Arrangement



Pneumatic Cylinder Arrangement



DESIGN FEATURES

- Design and Manufacturing :
API 600 / ISO 10434 (2" ≤ 24") BS 1414 / ASME B 16.34 (For NPS ≥ 24) & API 602 / ISO 15761 (For NPS < 24)
- Inspection and Testing : API 598, BSEN 12266 Part - 1 & 2 MSS - SP - 61
- End Flanges Dimension :
ASME B 16.5 (For NPS ≤ 24"), ASME B 16.47 Series
A & B (For NPS ≥ 24), MSS SP - 44 (For ≥ 24)
- BW End Dimension : ASME B 16.25
- Face to Face & End to End Dimension : ASME B 16.10, BS 2080
- Gasket Design : ASME 16.20
- Wedge Design : Solid Wedge for NPS < 2" & Flexible for 2" ≥ NPS

SPECIAL FEATURES

- Gear Operation-applied force exceeds 350N
- Limit Switch Arrangement
- Electrical & Pneumatic Arrangement
- Lantern ring arrangement for Vacuum service
- IBR Certified
- NACE MR 0175 & MR 0103
- Position indicator
- Locking Arrangement
- Extended Stem

TOLERANCE

Face to Face : ± 2.0mm for NPS ≤ 10" & ± 3.0mm for NPS > 10"

Gate Valves Product Overview

Gate valves serve as efficient on-off valves with flow in either direction. In such a design, a wedge slides across a general passageway in order to control fluid flow (like a sliding gate - hence, the name). One of the most significant characteristics of this type of valves is its straight-through, unobstructed passageway when set in the "full open" position. This is made possible by the wedge lifting entirely out of the passageway. As a result, gate valves are characterized by a minimum of turbulence and pressure drop in operation. While gate valves are good for applications requiring these two factors, they are not recommended for installations in which throttling would be a function. They are designed for on/off service.

BODY & BONNET

Bodies and bonnets are high quality cast and afterwards precisely machined, directing the attention to prevent stress concentration. The bodies of gate valves consist of a straight through port that guarantees minimal turbulence and resistance to flow. In both designs, bolted bonnet and pressure seal, the bodies consist of guide slots to accommodate the wedge during opening or closing of the valve. Bonnets are made either of one piece only –the yoke then being an integral part of it or have two pieces, depending on the size of the valve. This ensures the perfect alignment with the body what leads to an accurate opening and closing.

BACKSEAT

All Jayant gate and globe valves have backseat threaded in the bonnet, or for the pressure seal valves, welded to the bonnet. Into pressure seal the hard facing is stellite 6 or equivalent.

STEM

The stems of Jayant gate valves are forged from one piece and ACME threaded, then mechanized and finally provided with a smooth finishing in order to minimize friction. In gate valves, the union of stem and wedge shall be in T form, designed to prevent the stem disengaging itself from the wedge while being in service. This design includes a conical raised surface that presses the seat against the bonnet backseat in the fully open position.

BODY & BONNET GASKETS

The design of the body-bonnet/gaskets varies depending on the class of the valve. Class 150 gate valves consist of a square joint in 2" and an oval one for all other sizes. Depending on the valve service it can be supplied flat-face gasket with graphite or PTFE. Class 300 and 600 valves consist of a circular spiral wound gasket. Class 900 and above gate valves consist of a ring type joint. In pressure seal designs the sealing is achieved through a gasket that takes advantage of the internal pressure of the line. The material most commonly used is high-purity graphite being located between the body and the body retainer ring.

FLEXIBLE WEDGE

All Jayant gate valves 2" and above valves feature a flexible wedge unless otherwise specified by the customer. The flexible wedge shifts along the body of the valve during opening and closing, being held in position by a guide slot that minimizes the friction between body seat and wedge. This design is specially suited to compensate slight thermal deformations produced by the pipe or the valve itself safeguarding a better sealing between body and wedge seats.

MATERIALS OF CONSTRUCTION

PART NAME	CARBON STEEL	ALLOY STEEL	STAINLESS STEEL
Body	A 216 WCB / WCC	A 352 LCB /LLC	A 217 WC6/WC9/C5/C12
Bonnet	A 216 WCB / WCC	A 352 LCB /LLC	A 217 WC6/WC9/C5/C12
Seat Ring	A 216 WCB / WCC +13% Cr.	A 351 CF8	A 217 WC6/WC9/C5/C12 /A 217 CA 15
Wedge	A 216 WCB + 13% Cr. Facing	A 351 CF8	A 217 WC6/WC9/C5/C12 +13% Cr.
Stem	A 276 TP 410	A 276 TP 304	A 276 TP 410
Gland Flange	A 105 / CS/A216 WCB	A 105 / CS	A 105/CS
Back Seat	A 276 TP 410	A 276 TP 304	A 276 TP 410
Gland	A 276 TP 410	A 276 TP 304	A 276 TP 410
Joint Sutd	A 193 B7	A 320 L7	A 193 B16
Joint Stud Nuts	A 194 2H	A 194 7	A194 7
Gland Stud	A 193 B7	A 320 L7	A 193 B16
Gland Stud nuts	A 194 2H	A 194 7	A194 7
Gasket	Spiral Wounded ss 316 /316l /304l 321 with Grafoil filter		
Stem Packing	Braided Graphite and Die Formed Graphite ring		
Yoke Sleeve	SG Iron / A439 Gr.D2 / Bronze		
Hand wheel	Below 2" = Malleable Iron & Above 2" SG Iron / Fabricated Steel		

Also Available

- (1) Casting in DUPLEX SS, HASTE ALLOY, MONEL etc. also provided against requirement.
- (2) TRIM in different combination like TRIM = 1,2,5,8,9,10,11,12,13,14,15,16,17,18 & Bronze etc. Also provided against requirement.
- (3) Cold Galvanized (4) FRE, Corrocoat, Terrocoat, Rubber lined.

Face to Face/End to End Dimensions for Gate Valves

CLASS 150								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
1/2"	15	108	108	108	110	172	4.5	4
3/4"	20	117	117	117	110	187	5.5	5
1"	25	127	140	127	165	258	7.5	7
1.1/2"	40	165	178	165	165	278	12	11
2"	50	178	191	216	203	365	22	19
2.1/2"	65	190	203	241	203	430	30	25
3"	80	203	216	282	254	470	38	32
4"	100	229	242	305	254	560	58	45
5"	125	254	267	381	305	700	73	69
6"	150	267	280	403	305	795	90	82
8"	200	292	305	419	354	995	140	132
10"	250	330	343	457	408	1178	220	200
12"	300	356	369	502	457	1375	305	290
14"	350	381	394	572	457	1600	454	415
16"	400	406	419	610	457	1790	540	510
18"	450	432	445	660	457	1970	682	650
20"	500	457	470	711	457	2140	900	870
22"	550	508	495.6	762	457	2450	1220	1180
24"	600	508	521	813	500	2610	1320	1230
26"	650	559	-	559	500	2890	1660	1620
28"	700	610	-	610	500	3000	1720	1650
30"	750	610	-	610	610	3260	2360	2320
32"	800	711	-	660	610	3300	2600	2550
34"	850	686	-	686	610	3400	3110	-
36"	900	711	-	711	610	3840	3500	-
38"	950	737	-	737	610	3910	4100	-
40"	1000	762	-	762	610	4385	4280	-
42"	1050	813	-	813	750	4370	5300	-
44"	1100	813	-	813	750	4790	6500	-
48"	1200	864	-	864	750	5050	7150	-
52"	1300	965	-	965	750	5500	8800	-

*14" & above gear box suggested.

CLASS 300								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
1/2"	15	140	151	140	110	172	7	6
3/4"	20	152	165	152	110	187	8	7
1"	25	165	178	165	165	258	12	10
1.1/2"	40	190	203	190	165	278	19	17
2"	50	216	232	216	203	430	31	28
2.1/2"	65	241	257	241	203	455	52	42
3"	80	282	298	282	254	526	62	53
4"	100	305	321	305	300	605	91	75
5"	125	381	397	381	354	765	120	110
6"	150	403	419	403	354	820	162	140
8"	200	419	435	419	408	1040	263	245
10"	250	457	473	457	457	1240	410	380
12"	300	502	518	502	500	1465	554	445
14"	350	562	578	562	457	1640	840	720
16"	400	638	654	638	457	1765	1100	1050
18"	450	694	710	694	500	1970	1250	1101
20"	500	791	810	791	610	2170	1602	1425
24"	550	1143	1165	1143	610	2550	2365	2250
26"	600	1245	1270	1245	610	3125	3150	3000
28"	650	1346	1371	1346	610	3260	3650	3480
30"	700	1397	1422	1397	750	3400	4465	4210
32"	750	1524	1552	1524	750	3450	4770	4320
34"	800	1626	1654	1626	750	3650	5100	4760
36"	850	1727	1755	1727	750	3800	5980	5650
-	-	-	-	-	-	3850	-	-
-	-	-	-	-	-	3910	-	-
-	-	-	-	-	-	4381	-	-
-	-	-	-	-	-	4370	-	-
-	-	-	-	-	-	4788	-	-
-	-	-	-	-	-	5015	-	-
-	-	-	-	-	-	5480	-	-

*12" & above gear box suggested.

CLASS 900								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
1/2"	15	216	216	216	110	260	11	-
3/4"	20	229	229	229	165	300	16	-
1"	25	254	254	254	165	300	19	-
1.1/2"	40	305	305	305	250	390	35	-
2"	50	368	371	368	305	660	103	80
2.1/2"	65	419	422	419	354	705	145	120
3"	80	381	384	381	354	800	155	120
4"	100	457	460	457	408	902	210	170
6"	150	610	613	610	457	1137	485	390
8"	200	737	740	737	457	1438	855	700
10"	250	838	841	838	457	1556	1040	820
12"	300	965	968	965	610	1715	1590	1340

*6" & above gear box suggested.

CLASS 1500								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
1/2"	15	216	216	216	110	260	11	-
3/4"	20	229	229	229	165	300	16	-
1"	25	254	254	254	165	300	19	-
1.1/2"	40	305	305	305	250	390	35	-
2"	50	368	371	368	305	660	103	80
2.1/2"	65	419	422	419	354	705	145	120
3"	80	470	473	470	457	860	185	150
4"	100	546	549	546	457	937	335	230
6"	150	705	711	705	457	1226	725	550
8"	200	832	842	832	457	1422	1170	930
10"	250	991	1001	991	610	1686	1925	1530
12"	300	1130	1146	1130	610	1997	3255	2650

*4" & above gear box suggested.

Face to Face/End to End Dimensions for Gate Valves

CLASS 600								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
1/2"	15	165	163	165	110	172	9.5	8.5
3/4"	20	190	190	190	110	186	10.5	9
1"	25	216	216	216	110	262	16.5	15
1 1/2"	40	241	241	241	165	283	21	19
2"	50	292	295	292	200	440	48	43
2 1/2"	65	330	333	330	250	490	65	60
3"	80	356	359	356	300	570	72	68
4"	100	432	435	432	300	650	135	128
5"	125	508	511	508	457	775	225	205
6"	150	559	562	559	500	810	255	240
8"	200	660	663	660	457	1100	423	400
10"	250	787	790	787	457	1290	625	575
12"	300	838	840	838	500	1540	885	810
14"	350	899	892	889	500	1650	1190	1100
16"	400	991	994	991	500	1940	1850	1460
18"	450	1092	1095	1092	500	2100	2380	2285
20"	500	1194	1200	1194	600	2315	2766	2650
24"	550	1397	1407	1397	600	2725	4380	4260
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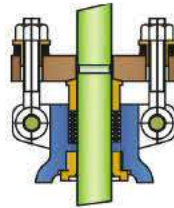
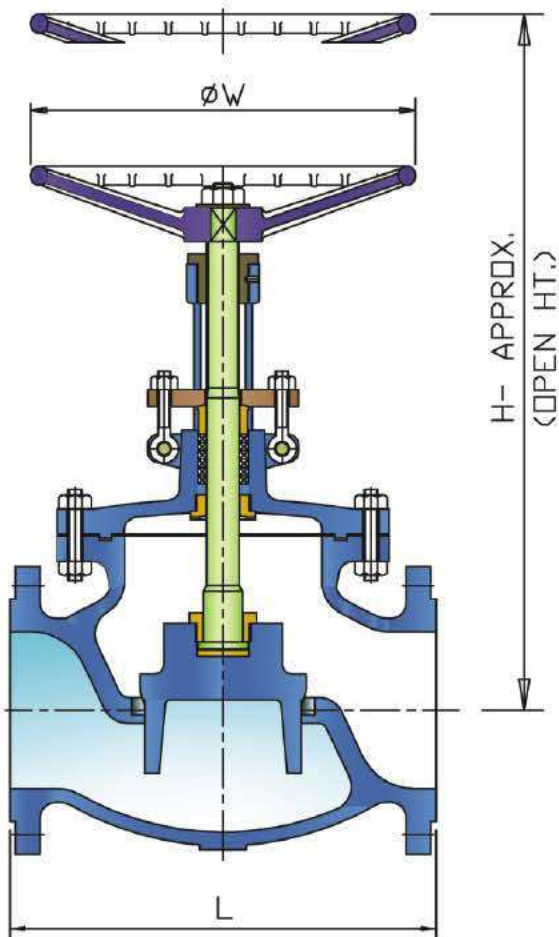
*8" & above gear box suggested.

CLASS 2500								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
1/2"	15	216	264	264	165	304	19	-
3/4"	20	273	273	273	165	315	21	-
1"	25	308	308	308	250	368	40	-
1 1/2"	40	384	387	384	300	445	62	-
2"	50	451	454	451	354	753	125	-
2 1/2"	65	508	514	508	408	870	200	-
3"	80	578	584	578	457	870	240	-
4"	100	673	683	673	457	1073	485	-
6"	150	914	927	914	610	1451	1580	-
8"	200	1022	1038	1022	610	1610	2430	-
10"	250	1270	1292	1270	610	2096	4564	-
12"	300	1422	1444	1422	610	2292	7170	-

*4" & above gear box suggested.

Sizes not covered in above standards are as per manufacture standard.

Globe Valves



Live Loading Arrangement



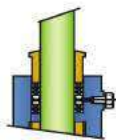
Locking Arrangement



Limit Switch Arrangement



Position Indicator Arrangement



Vacuum Seal Arrangement



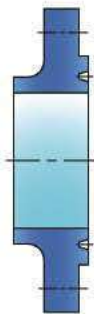
Gear Box Arrangement



Electrical Actuator Arrangement



Pneumatic Cylinder Arrangement



RTJ Flange End



Buttweld End



Parabolic Plug



Regulating Plug



Guided Plug



DESIGN FEATURES

- Design and Manufacturing : BS 1873 / ASME B 16.34 (2" ≤ 24") & API 602 / ISO 15761 (FOR NPS < 2)
- Inspection and Testing : API 598, BSEN 12266 Part - 1 & 2
- End Flanges Dimension : ASME B 16.5
- BW End Dimension : ASME B 16.25
- Face to Face & End to End Dimension : ASME 16.10, BS 2080
- Gasket Design : ASME B 16.20
- Plug Design : Parabolic, Regulating, Soft seated Plug, Guided Plug.
- Handwheel Construction : Rising & Non rising Handwheel.

SPECIAL FEATURES

- Gear Operation-applied force exceeds 350N
- Limit Switch Arrangement
- Electrical & Pneumatic Arrangement
- Lantern ring arrangement for Vacuum service
- IBR Certified
- NACE MR 0175 & MR 0103
- Position indicator
- Locking Arrangement
- Extended Stem

TOLERANCE

Face to Face : ± 2.0mm for NPS ≤ 10" & ± 3.0mm for NPS > 10"

Globe Valves Product Overview

All globe valves utilize the "port closure" concept of valves. By this it meant that fluid passes through a specific opening (rather than a general passageway, as in the case of gate valves), and the fluid is controlled by means of a stem-mounted disc or inserted plug in that area. Despite of lacking the straight through, unobstructed passageway of the gate valve, these globe types are superior in two key aspects - throttling and serviceability under frequent use. They are better at the throttling function because they permit fluid to exit uniformly around the circumference of a seat, rather than "slicing" down to limit passage through a narrowly restricted area.

BODY & BONNET

Bodies and bonnets are high quality cast and afterwards precisely machined, directing the attention to prevent stress concentration. Bonnets are made either of one piece only –the yoke then being an integral part of it – or have two pieces, depending on the size of the valve. This ensures the perfect alignment with the body what leads to an accurate opening and closing. Bodies of globe valves are designed considering the same characteristics as gate valves, which in this case means that the disc is guided in bigger valve sizes or high pressure service in order to avoid vibrations and better seat.

BACKSEAT

All Jayant gate and globe valves have backseat threaded in the bonnet, or for the pressure seal valves, welded to the bonnet. The hard facing is Stellite 6 or equivalent.

STEM

The stems of Jayant globe valves are forged from one piece and ACME threaded, then mechanized and finally provided with a smooth finishing in order to minimize friction.

BODY & BONNET GASKETS

The design of the body-bonnet gasket varies depending on the class of the valve. Class 150 to 600 globe valves consist of a circular male-female connection with a graphite or spiral wound gasket. Class 900 and above globe valves consist of a ring type joint. In pressure seal designs the sealing is achieved through a gasket that takes advantage of the internal pressure of the line. The material most commonly used is high-purity graphite being located between the body and the body retainer ring.

MATERIALS OF CONSTRUCTION

PART NAME	CARBON STEEL	ALLOY STEEL	STAINLESS STEEL
Body	A 216 WCB / WCC	A 352 LCB /LCC	A 217 WC6/WC9/C5/C12
Bonnet	A 216 WCB / WCC	A 352 LCB /LCC	A 217 WC6/WC9/C5/C12
Seat Ring	A 216 WCB / WCC +13% Cr.	A 351 C F8	A 217 WC6/WC9/C5/C12+13% Cr/A 217 CA 15
Plug	A 216 WCB +13% Cr.	A 351 C F8	A 217 WC6/WC9/C5/C12+13% Cr.
Spindle	A 276 TP 410	A 276 TP 304	A 276 TP 410
Gland Flange	A 105 / CS	A 105 / CSA352/LCB/LCC	A 105/CS/217WC6/WC9/C5/C12
Back Seat	A 276 TP 410	A 276 TP 304	A 276 TP 410
Gland	A 276 TP 410	A 276 TP 304	A 276 TP 410
Joint Sutd	A 193 B7	A 320 L7	A 193 B16
Joint Stud Nuts	A 194 2H	A 194 7	A194 7
Gland Stud	A 193 B7	A 320 L7	A 193 B16
Gland Stud nuts	A 194 2H	A 194 7	A194 7
Gasket	Spiral Wounded ss 316 /316I /304I 321 with Grafoil filter		
Stem Packing	Braided Graphite and Die Formed Graphite ring		
Yoke Sleeve	SG Iron / A439 Gr.D2 / Bronze		
Hand wheel	Below 2" = Malleable Iron & Above 2" SG Iron / Fabricated Steel		

Also Available

- (1) Casting in DUPLEX SS, HASTE ALLOY, MONEL etc. also provided against requirement.
- (2) TRIM in different combination like TRIM = 1,2,5,8,9,10,11,12,13,14,15,16,17,18 & Bronze etc. also provided against requirement.
- (3) Cold Galvanized
- (4) FRE, Corrocoat, Terrocoat, Rubber lined.

Face to Face/End to End Dimensions for Globe Valves

CLASS 150								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
½"	15	108	-	108	110	184	4.5	-
¾"	20	117	-	117	110	185	5.5	-
1"	25	127	140	127	165	236	7.5	-
1.1/2"	40	165	178	165	165	282	17	-
2"	50	203	216	203	203	315	21	-
2.1/2"	65	216	229	216	203	380	30	21
3"	80	241	254	241	254	450	44	38
4"	100	292	305	292	305	480	72	61
5"	125	356	369	356	408	540	98	82
6"	150	406	419	406	408	575	130	117
8"	200	495	508	495	457	625	172	150
10"	250	622	635	622	457	760	337	310
12"	300	698	711	698	457	825	458	430
14"	350	787	800	787	457	1070	640	590
16"	400	914	927	914	500	1175	724	650
18"	450	978	991	978	610	1300	1240	1150
20"	500	978	991	978	650	1360	1400	1370
24"	600	1295	1308	1295	650	1520	1600	1490

*10" & above gear box suggested.

CLASS 300								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
½"	15	152	163	152	110	184	7	-
¾"	20	178	191	178	110	186	8	-
1"	25	203	216	203	165	237	12	-
1.1/2"	40	229	242	229	165	282	19	19
2"	50	267	283	267	254	340	28	24
2.1/2"	65	292	308	292	254	400	45	38
3"	80	318	334	318	305	440	60	51
4"	100	356	372	356	354	525	95	70
5"	125	400	416	400	457	560	110	98
6"	150	444	460	444	457	600	156	135
8"	200	559	575	559	354	780	280	236
10"	250	622	638	622	457	890	430	360
12"	300	711	727	711	457	1030	750	660
14"	350	838	854	838	500	1125	1180	1040
16"	400	864	880	864	610	1300	1700	1510
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

*8" & above gear box suggested.

CLASS 900								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
1/2"	15	216	216	216	110	-	-	-
3/4"	20	229	229	216	165	-	-	-
1"	25	254	254	254	165	-	-	-
1.1/2"	40	305	305	305	250	-	-	-
2"	50	368	371	368	305	590	110	80
2.1/2"	65	419	422	419	354	660	155	120
3"	80	381	384	381	354	700	190	155
4"	100	457	460	457	408	781	280	230
6"	150	610	613	610	457	1400	630	540
8"	200	737	740	737	457	1500	1350	1200
10"	250	838	841	838	610	1600	2050	1870
12"	300	965	968	965	610	1705	2650	2400

*6" & above gear box suggested.

CLASS 1500								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
1/2"	15	216	216	216	110	260	11	-
3/4"	20	229	229	216	165	300	16	-
1"	25	254	254	254	165	300	19.5	-
1.1/2"	40	305	305	305	250	390	34	-
2"	50	368	371	368	305	590	110	80
2.1/2"	65	419	422	419	354	660	155	120
3"	80	470	473	470	457	850	230	185
4"	100	546	549	546	457	920	400	330
6"	150	705	711	705	457	1700	910	790
8"	200	832	842	832	457	1960	2100	1900
10"	250	991	1001	991	610	2310	3200	2800
12"	300	1130	1146	1130	610	2670	4400	3800

*4" & above gear box suggested.

CLASS 600								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
½"	15	165	163	165	110	184	10	-
¾"	20	190	190	190	110	190	11	-
1"	25	216	216	216	165	236	17	-
1.1/2"	40	241	241	241	165	285	21	-
2"	50	292	295	292	305	350	40	34
2.1/2"	65	330	333	330	305	435	58	49
3"	80	356	359	356	354	475	80	72
4"	100	432	435	432	408	570	124	105
5"	125	508	511	508	350	650	210	185
6"	150	559	562	559	350	700	289	240
8"	200	660	663	660	457	900	600	515
10"	250	787	790	787	457	1050	740	630
12"	300	838	841	838	500	1300	970	815
14"	350	889	892	889	610	1420	1650	1350
16"	400	991	994	991	610	1580	2210	1820
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

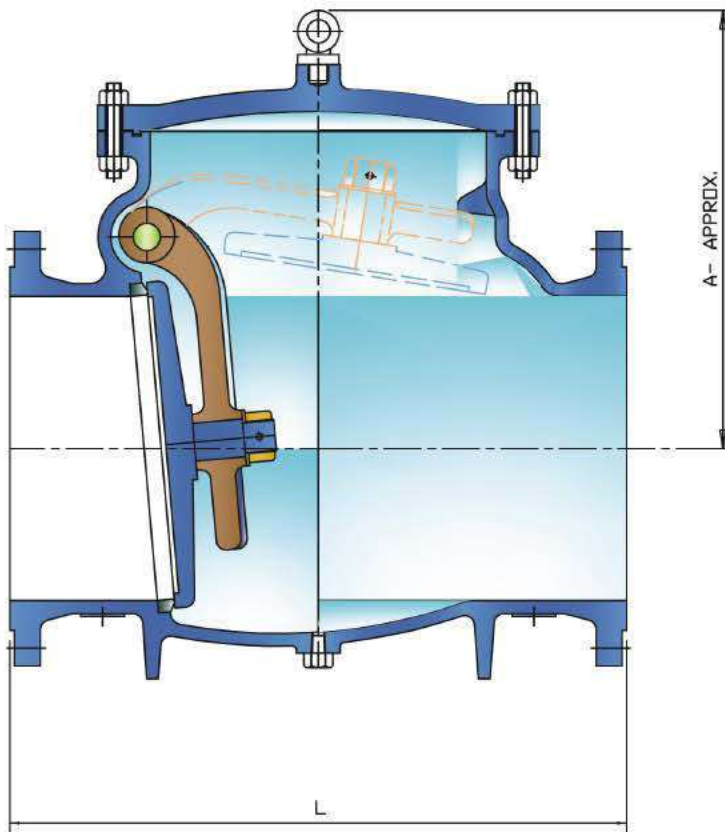
*5" & above gear box suggested.

CLASS 2500								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
1/2"	15	264	264	264	165	332	19	-
¾"	20	273	273	273	165	332	21	-
1"	25	308	308	308	250	370	40	-
1.1/2"	40	384	387	384	457	435	62	-
2"	50	451	454	451	457	720	190	160
2.1/2"	65	508	514	508	457	800	300	240
3"	80	578	584	578	457	885	350	280
4"	100	673	683	673	457	1260	840	690
6"	150	914	927	914	610	1905	2300	2000
8"	200	1022	1038	1022	610	2465	4800	4400
10"	250	1270	1292	1270	610	2800	6800	6000
12"	300	1422	1444	1422	610	3505	8500	7500

*3" & above gear box suggested.

Sizes not covered in above standards are as per manufacture standard.

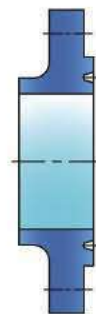
Swing Check Valves



Counter Weight Arrangement



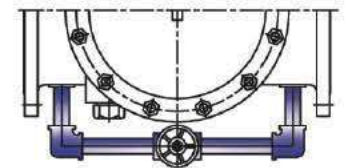
Dashpot Cylinder Arrangement



RTJ Flange End



Buttweld End



With By-Pass Arrangement



DESIGN FEATURES

- Design and Manufacturing : BS 1868
- Inspection and Testing : API 598 , BSEN 12666 PART 1 & 2
- End Flanges Dimension : ASME B 16.5 (for NPS ≤ 24 ") Series A & B (for NPS ≥ 24), MSS SP - 44 (for NPS ≥ 24)
- BW End Dimension : ASME B 16.25
- Face to Face & End to End Dimension : ASME 16.10, BS 2080
- Gasket Design : ASME B 16.20
- Disk Design : Gravitational acceleration

SPECIAL FEATURES

- Counter Weight arrangement
- Hydraulic Cylinder Arrangement
- IBR Certified
- NACE MR 0175 & MR 1030
- Lift type check valves will be supplied for the sizes for NPS < 2" Rest of the sizes are in swing type design.

TOLERANCE

Face to Face : $\pm 2.0\text{mm}$ for NPS ≤ 10 " & $\pm 3.0\text{mm}$ for NPS > 10"

Swing Check Valves Product Overview

While not a valve in the traditional sense, check valves serve an important application namely to prevent flow in one direction while allowing it in the other. A check valve is self-actuated and designed to prevent fluid from flowing back into the system (prevent reverse flow). Real-life applications include preventing back flow into an injection line or into a pump. The fluid flow opens the valve by forcing a disk or ball in one direction. When the flow stops, the disk or ball is seated and closes the valve. They can be installed in horizontal or vertical upward flow piping.

BODY & COVER

Bodies and covers are high quality cast and afterwards precisely machined, directing the attention to prevent stress concentration. The design characteristic of check valves is the unobstructed passageway, with a full-opening when required.

BODY & COVER GASKET

The design of the body/cover gasket varies depending on the class of the valve. Class 150 to 600 check valves consist of a male-female connection with a graphite or spiral wound gasket. Class 900 and above check valves consist of a ring type joint. In pressure seal designs the sealing is achieved through a gasket that takes advantage of the internal pressure of the line. The material most commonly used is high purity graphite being located between the body and the body retainer ring.

MATERIALS OF CONSTRUCTION

PART NAME	CARBON STEEL	ALLOY STEEL	STAINLESS STEEL
Body	A 216 WCB / WCC	A 352 LCB /LLC	A 217 WC6/WC9/C5/C12
Cover	A 216 WCB / WCC	A 352 LCB /LLC	A 217 WC6/WC9/C5/C12
Seat Ring	A 216 WCB/WCC+13% Cr./A 217 CA 15	A 351 CF 8	A 217 WC6/WC9/C5/C12+13% Cr./A 217 CA 15
Disc	A 216 WCB / WCC+13% Cr.	A 351 CF 8	A 217 WC6/WC9/C5/C12+13% Cr.
Hinge	A 216 WCB / WCC	A 351 CF 8	A 217 WC6/WC9/C5/C12
Hinge Pin	A 276 TP 410	A 276 TP 304	A 276 TP 410
Side Plug	A 276 TP SS 304	A 276 TP SS 304	A 276 TP SS 304
Joint stud	A 193 B7	A 320 L7	A 193 B16
Joint stud nuts	A 194 2H	A 194 7	A 194 7
Gasket	Spiral Wound SS316/316L/304L/321 with Grafoil filler		
Disc nut	Stainless Steel		

Also Available

- (1) Casting in DUPLEX SS, HASTE ALLOY, MONEL etc. also provided against requirement.
- (2) TRIM in different combination like TRIM = 1,2,5,8,9,10,11,12,13,14,15,16,17,18 & Bronze etc. also provided against requirement.
- (3) Cold Galvanized
- (4) FRE, Corrocoat, Terrocoat, Rubber lined.

Face to Face/End to End Dimensions for Swing Check Valves

CLASS 150							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
½"	15	108	-	108	68	3.5	-
¾"	20	117	-	117	72	4.5	-
1"	25	127	140	127	88	6.5	-
1.1/2"	40	165	178	165	105	12	-
2"	50	203	216	203	150	23	29
2.1/2"	65	216	229	216	210	32	28
3"	80	241	254	241	230	40	35
4"	100	292	305	292	260	65	58
5"	125	330	343	330	280	83	73
6"	150	356	369	356	335	105	96
8"	200	495	508	495	360	172	165
10"	250	622	635	622	430	263	245
12"	300	698	711	698	460	385	360
14"	350	787	800	787	510	590	570
16"	400	864	877	864	570	675	645
18"	450	978	991	978	700	770	740
20"	500	978	991	978	740	1130	1095
24"	600	1295	1308	1295	785	1675	1655
26"	650	1295	-	1295	830	1940	-
28"	700	1448	-	1448	900	2450	-
30"	750	1524	-	1524	940	2800	-
32"	800	1594	-	1594	970	2950	-
34"	850	1752.6	-	1752.6	1025	3150	-
36"	900	1956	-	1956	1065	3300	-
38"	950	2083	-	2083	1150	3850	-
40"	1000	2168	-	2168	1225	4570	-

CLASS 300							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
½"	15	152	163	152	78	4.5	-
¾"	20	178	191	178	78	6.5	-
1"	25	203	216	203	82	8.5	-
1.1/2"	40	229	242	229	108	18	-
2"	50	267	283	267	200	28	23
2.1/2"	65	292	308	292	225	39	32
3"	80	318	334	318	240	51	45
4"	100	356	372	356	275	85	73
5"	125	400	416	400	290	115	100
6"	150	444	460	444	320	145	123
8"	200	533	549	533	380	225	216
10"	250	622	638	622	450	375	354
12"	300	711	727	711	485	530	490
14"	350	838	854	838	560	760	720
16"	400	864	880	864	640	920	890
18"	450	978	994	978	690	1245	1210
20"	500	1016	1035	1016	700	1440	1385
24"	600	1346	1368	1346	800	2630	2570
26"	650	1346	1391	1346	840	2780	2710
28"	700	1499	1524	1499	930	2850	2760
30"	750	1594	1619	1594	980	4500	4375
32"	800	1651	1679	1651	1050	4800	4670
34"	850	1778	1806	1778	1180	5800	5640
36"	900	2083	2111	2083	1375	7000	6800
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

CLASS 900							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
½"	15	216	216	216	88	8	-
¾"	20	229	229	229	95	14	-
1"	25	254	254	254	120	17	-
1.1/2"	40	305	305	305	154	28	-
2"	50	368	371	368	190	60	40
2.1/2"	65	419	422	419	205	100	65
3"	80	381	384	381	225	150	120
4"	100	457	460	457	240	190	150
6"	150	610	613	610	300	370	290
8"	200	737	740	737	360	640	510
10"	250	838	841	838	410	1140	940
12"	300	965	968	965	495	1440	1170

CLASS 1500							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
½"	15	216	216	216	88	8	-
¾"	20	229	229	229	95	14	-
1"	25	254	254	254	120	17	-
1.1/2"	40	305	305	305	154	28	-
2"	50	368	371	368	200	60	40
2.1/2"	65	419	422	419	235	100	75
3"	80	470	473	470	260	160	125
4"	100	546	549	546	295	290	235
6"	150	705	711	705	395	685	550
8"	200	832	842	832	515	1180	955
10"	250	991	1001	991	640	1840	1470
12"	300	1130	1146	1130	680	2740	2170

CLASS 600							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
½"	15	165	163	165	88	5	-
¾"	20	190	190	190	88	7.5	-
1"	25	216	216	216	95	11	-
1.1/2"	40	241	241	241	120	18	-
2"	50	292	295	292	225	41	28
2.1/2"	65	330	333	330	235	68	38
3"	80	356	359	356	230	73	52
4"	100	432	435	432	300	130	96
5"	125	508	511	508	425	220	140
6"	150	559	562	559	450	260	180
8"	200	660	663	660	480	390	258
10"	250	787	790	787	600	700	407
12"	300	838	841	838	640	950	690
14"	350	889	892	889	700	970	820
16"	400	991	994	991	730	1150	960
18"	450	1092	1095	1092	780	1970	1600
20"	500	1194	1200	1194	810	2200	1780
24"	600	1397	1470	1397	1050	4100	1860
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
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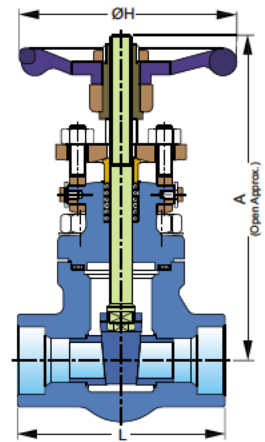
CLASS 2500							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
½"	15	264	264	264	95	17	-
¾"	20	273	273	273	120	21	-
1"	25	308	308	308	154	28	-
1.1/2"	40	384	387	384	200	58	-
2"	50	451	454	451	220	140	110
2.1/2"	65	508	514	508	250	230	185
3"	80	578	584	578	280	340	270
4"	100	673	683	673	305	640	530
6"	150	914	927	914	412	1440	1190
8"	200	1022	1038	1022	540	2540	2190
10"	250	1270	1292	1270	680	3940	3140
12"	300	1422	1444	1422	730	5990	4540

Sizes not covered in above standards are as per manufacture standard.

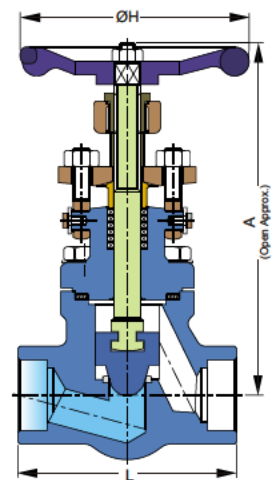
FORGED STEEL GATE, GLOBE & LIFT CHECK VALVE

MATERIALS OF CONSTRUCTION FOR GATE VALVE

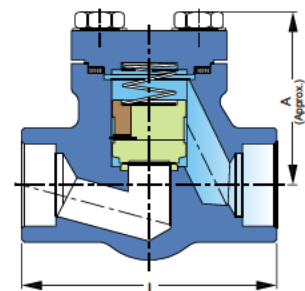
PART NAME	CARBON STEEL		ALLOY STEEL	STAINLESS STEEL
Body	A 105	A 350 LF 2	A 182 F11/F22/F5/F9	A 182 F 304 / 316 / 304L / 316L /321
Seat Ring	A 276 TP 410	A 276 TP 304	A 276 TP 410	A 276 TP 304/316/304L/316L/321
Wedge	A 276 TP 410	A 276 TP 304	A 276 TP 410	A 276 TP 304/316/304L/316L/321
Stem	A 276 TP 410	A 276 TP 304	A 276 TP 410	A 276 TP 304/316/304L/316L/321
Bonnet	A 105	A 350 LF 2	A 182 F 11/F 22/ F 5/ F 9	A 182 F 304 / 316 / 316L /321
Joints Bolts	A 193 B 7	A 320 L7	A 193 B 16	A 193 B7 ⁷ /B8
Gland Flange	A 105	A 105 / A 350 LF 2	A 182 F11/ F22/F5/F9	A 105 ³ /A 182 F304/316/304L/316L
Back seat integral	A 105	A 350 LF 2	A 182 F11/F22/F5/F9	A 182 F 304 / 316 / 316L /321
Gland	A 276 TP 410	A 276 TP 304	A 276 TP 410	A 276 TP 304/316/304L/316L/321
Eye Bolts	A 307 Gr. B	A 307 Gr. B	A 307 Gr. B	A 307Gr. B ³
Eye Bolts nuts	A 563 Gr.A	A 563 Gr. A	A 563 Gr. A	A 563 Gr. A ³
Gasket	Spiral wound SS 316/316L/304L/with Grafoil filler / PTFE			
Stem Packing	Braided Graphite & Die Formed Graphite ring / PTFE			
Yoke sleeve / Yoke nut	A 439 Gr. D2			
Handwheel	Malleable Iron			



FORGED GATE VALVE



FORGED GLOBE VALVE



FORGED LIFT CHECK VALVE

MATERIALS OF CONSTRUCTION FOR GLOBE VALVE

PART NAME	CARBON STEEL		ALLOY STEEL	STAINLESS STEEL
Body	A 105	A 350 LF 2	A 182 F11/F22/F5/F9	A 182 F 304 / 316 /304L / 316L /321
Seat Ring	A 105	A 350 LF 2	A 182 F11/F22/F5/F9	A 182 F 304 / 316 /304L / 316L /321
Plug	A 276 TP 410	A 276 TP 304	A 276 TP 410	A 276 TP 304/316/304L/316L/321
Stem	A 276 TP 410	A 276 TP 304	A 276 TP 410	A 276 TP 304/316/304L/316L/321
Bonnet	A 105	A 350 LF 2	A 182 F 11/F 22/ F 5/ F 9	A 182 F 304 / 316 / 316L /321
Joints Bolts	A 193 B 7	A 320 L7	A 193 B 16	A 193 B7 ⁷ /B8
Gland Flange	A 105	A 105 / A 350 LF 2	A 105/A 182 F11/F22/F5/F9	A 105 ³ /A 182 F304/316/304L/316L
Back seat integral	A 105	A 350 LF 2	A 182 F11/F22/F5/F9	A 182 F 304 / 316 / 316L /321
Gland	A 276 TP 410	A 276 TP 304	A 276 TP 410	A 276 TP 304/316/304L/316L/321
Eye Bolts	A 307 Gr. B	A 307 Gr. B	A 307Gr. B	A 307 Gr. B ³
Eye Bolts nuts	A 563 Gr.A	A 563 Gr. A	A 563 Gr. A	A 563 Gr. A ³
Gasket	Spiral wound SS 316/316L/304L/321 with Grafoil filler / PTFE			
Stem Packing	Braided Graphite & Die Formed Graphite ring / PTFE			
Yoke sleeve / Yoke nut	A 439 Gr. D2			
Handwheel	Malleable Iron			

MATERIALS OF CONSTRUCTION FOR LIFT CHECK VALVE

PART NAME	CARBON STEEL		ALLOY STEEL	STAINLESS STEEL
Body	A 105	A 350 LF 2	A 182 F11/F22/F5/F9	A 182 F 304 / 316 / 304 L / 316L /321
Seat Ring	A 105	A 350 LF 2	A 182 F11/F22/F5/F9	A 182 F 304 / 316 / 304 L / 316L /321
Disc	A 276 TP 410	A 276 TP 304	A 276 TP 410	A 276 TP 304/316/304L/316L/321
Cover	A 105	A 350 LF 2	A 182 F 11/F 22/ F 5/ F 9	A 182 F 304 / 316 / 304 L /316L /321
Joint Bolts	A 193 B 7	A 320 L7	A 193 B 16	A 193 B7 ⁷ /B8
Gasket	Spiral wound SS 316/316L/304L/321 with Grafoil filler / PTFE			

ALSO AVAILABLE

- (1) Forged in DUPLEX SS, HASTE ALLOY, MONEL etc. also provided against requirement.
- (2) TRIM in different combination like TRIM = 1, 2, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 & Bronze etc. also provided against requirement.
- (3) Cold Galvanized
- (4) For Standard & Full bore Globe & lift check valve, the bore dimension shall be 29.5mm only for sizes 1.1/2" & above.

DESIGN FEATURES

- Design & Manufacturing : API602/ISO 15761 for Class 800 & 1500, ASME B 16.34 for Class 2500
- Inspection and Testing : API 598, BSEN 12266 Part - 1 & 2
- End Dimension : ASME B 16.11 for Socket Weld & ASME B 1.20.1 for Screwed End
- BW End Dimension : ASME B 16.25
- Face to Face & End to End Dimension : Manufacturer Standard
- Gasket Design : ASME B 16.20
- Plug/Disc Design : Parabolic, Regulating, Soft seated
- Wedge Design : Solid wedge

SPECIAL FEATURES

- Limit Switch Arrangement • Electrical and Pneumatic Arrangement
- Lantern ring arrangement for vacuum service • IBR Certificate
- NACE MR 0175 & MR 1030 • Position Indicator • Locking arrangement
- Extended Stem • Cryogenic Service

TOLERANCE

Face to Face : ± 4 mm

FACE TO FACE/END TO END DIMENSIONS FOR GATE VALVES

CLASS 800 (STANDARD BORE)					
Size		L	ØH	A	WEIGHT
NPS	DN	MM	MM	MM	KG
3/8"	10	84	110	155	2.5
1/2"	15	84	110	155	2.5
3/4"	20	90	110	170	3.0
1"	25	105	110	190	5.0
1.1/4"	32	127	165	270	8.0
1.1/2"	40	127	165	270	8.0
2"	50	142	165	280	11.0

CLASS 1500 (STANDARD BORE)					
Size		L	ØH	A	WEIGHT
NPS	DN	MM	MM	MM	KG
3/8"	15	90	110	170	3.0
1/2"	20	105	110	190	5.0
3/4"	25	127	165	270	8.0
1"	32	142	165	280	11.0
1.1/4"	40	142	165	280	11.0
-	-	-	-	-	-
-	-	-	-	-	-

CLASS 2500 (STANDARD BORE)					
Size		L	ØH	A	WEIGHT
NPS	DN	MM	MM	MM	KG
1/2"	15	105	110	190	5.0
3/4"	20	127	165	270	8.0
1"	25	142	165	280	11.0
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

CLASS 800 (FULL BORE)					
Size		L	ØH	A	WEIGHT
NPS	DN	MM	MM	MM	KG
1/2"	15	90	110	170	3.0
3/4"	20	105	110	190	5.0
1"	25	127	165	270	8.0
1.1/4"	32	142	165	280	8.0
1.1/2"	40	142	165	280	11.0

CLASS 1500 (FULL BORE)					
Size		L	ØH	A	WEIGHT
NPS	DN	MM	MM	MM	KG
1/2"	15	105	110	190	5.0
3/4"	20	127	165	270	8.0
1"	25	142	165	280	11.0
-	-	-	-	-	-
-	-	-	-	-	-

CLASS 2500 (FULL BORE)					
Size		L	ØH	A	WEIGHT
NPS	DN	MM	MM	MM	KG
1/2"	15	127	165	270	8.0
3/4"	20	142	165	280	11.0
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

FACE TO FACE/END TO END DIMENSIONS FOR GLOBE VALVES

CLASS 800 (STANDARD BORE)					
Size		L	ØH	A	WEIGHT
NPS	DN	MM	MM	MM	KG
3/8"	10	84	110	155	2.5
1/2"	15	84	110	155	2.5
3/4"	20	90	110	170	3.0
1"	25	105	110	185	5.0
1.1/4"	32	127	165	255	8.0
1.1/2"	40	127	165	255	8.0
2"	50	142	165	260	11.0

CLASS 1500 (STANDARD BORE)					
Size		L	ØH	A	WEIGHT
NPS	DN	MM	MM	MM	KG
1/2"	15	90	110	170	3.0
3/4"	20	105	110	185	5.0
1"	25	127	165	255	8.0
1.1/4"	32	142	165	260	11.0
1.1/2"	40	142	165	260	11.0
-	-	-	-	-	-
-	-	-	-	-	-

CLASS 2500 (STANDARD BORE)					
Size		L	ØH	A	WEIGHT
NPS	DN	MM	MM	MM	KG
1/2"	15	105	110	185	5.0
3/4"	20	127	165	255	8.0
1"	25	142	165	260	11.0
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

CLASS 800 (FULL BORE)					
Size		L	ØH	A	WEIGHT
NPS	DN	MM	MM	MM	KG
1/2"	15	90	110	170	3.0
3/4"	20	105	110	185	5.0
1"	25	127	165	255	8.0
1.1/4"	32	142	165	260	11.0
1.1/2"	40	142	165	260	11.0

CLASS 1500 (FULL BORE)					
Size		L	ØH	A	WEIGHT
NPS	DN	MM	MM	MM	KG
1/2"	15	105	110	185	5.0
3/4"	20	127	165	255	8.0
1"	25	142	165	260	11.0
-	-	-	-	-	-
-	-	-	-	-	-

CLASS 2500 (FULL BORE)					
Size		L	ØH	A	WEIGHT
NPS	DN	MM	MM	MM	KG
1/2"	15	127	165	255	8.0
3/4"	20	142	165	260	11.0
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

FACE TO FACE/END TO END DIMENSIONS FOR LIFT CHECK VALVES

CLASS 800 (STANDARD BORE)				
Size		L	A	WEIGHT
NPS	DN	MM	MM	KG
3/8"	10	84	55	0.75
1/2"	15	84	55	0.75
3/4"	20	90	65	0.9
1"	25	105	72	1
1.1/4"	32	127	100	3
1.1/2"	40	127	100	3
2"	50	142	105	6

CLASS 1500 (STANDARD BORE)				
Size		L	A	WEIGHT
NPS	DN	MM	MM	KG
1/2"	15	90	65	0.9
3/4"	20	105	72	1.0
1"	25	127	100	3.0
1.1/4"	32	142	105	6.0
1.1/2"	40	142	105	6.0
-	-	-	-	-
-	-	-	-	-

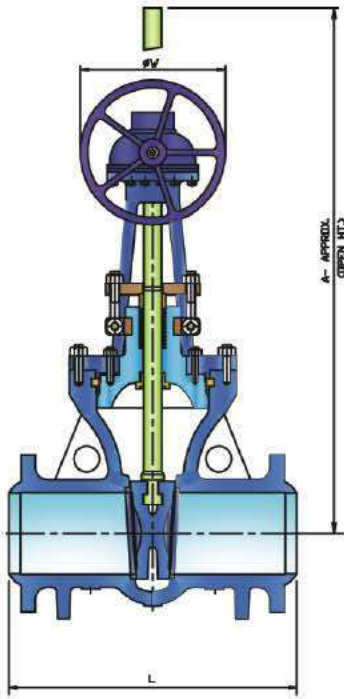
CLASS 2500 (STANDARD BORE)				
Size		L	A	WEIGHT
NPS	DN	MM	MM	KG
1/2"	15	105	72	1
3/4"	20	127	100	3
1"	25	142	105	6
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

CLASS 800 (FULL BORE)				
Size		L	A	WEIGHT
NPS	DN	MM	MM	KG
1/2"	15	90	65	0.9
3/4"	20	105	72	1
1"	25	127	100	3
1.1/4"	32	142	105	6
1.1/2"	40	142	105	6

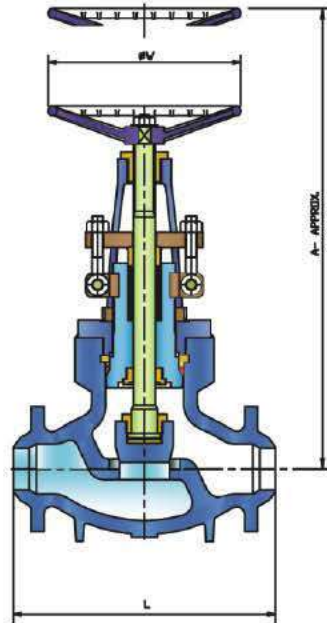
CLASS 1500 (FULL BORE)				
Size		L	A	WEIGHT
NPS	DN	MM	MM	KG
1/2"	15	105	72	1.0
3/4"	20	127	100	3.0
1"	25	142	105	6.0
-	-	-	-	-
-	-	-	-	-

CLASS 2500 (FULL BORE)				
Size		L	A	WEIGHT
NPS	DN	MM	MM	KG
1/2"	15	127	100	3.0
3/4"	20	142	105	6.0
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

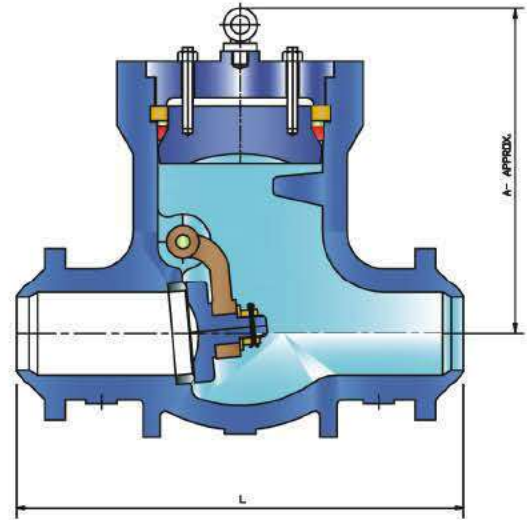
PRESSURE SEAL BONNET GATE, GLOBE & SWING CHECK VALVE



Pressure Seal Gate Valve



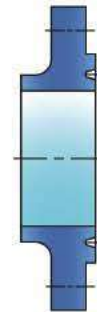
Pressure Seal Globe Valve



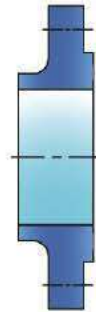
Gear Box Arrangement



Electrical Actuator Arrangement



RTJ Flange End



RF Flange End



DESIGN FEATURES

- Design and Manufacturing : ASME B 16.34
- Inspection and Testing : API 598, BSEN 12266 Part - 1 & 2
- End Flanges Dimension : ASME B 16.5
- BW End Dimension : ASME B 16.25
- Face to Face & End to End Dimension : ASME B 16.10
- Wedge Design : Flexible Wedge
- Plug Design : Parabolic , Regulating
- Disc Design : Gravitational Acceleration
- Bonnet Design : Pressure Seal

SPECIAL FEATURES

- Gear Operation - applied force exceeds 350N
- Limit Switch Arrangement
- Electrical & Pneumatic Arrangement
- Lantern ring arrangement for Vacuum service
- NACE MR 0175 & MR 1030
- Position indicator
- Locking Arrangement

TOLERANCE

Face to Face : $\pm 2.0\text{mm}$ for NPS $\leq 10''$ & $\pm 3.0\text{mm}$ for NPS $> 10''$

FACE TO FACE/END TO END DIMENSIONS FOR PRESSURE SEAL GATE VALVES

CLASS 900									
Size		L (MM)			ØW	A	Weight (kg)		
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW	
2"	50	368	371	216	305	460	60	50	
3"	80	381	384	305	354	550	85	70	
4"	100	457	460	356	408	670	150	120	
6"	150	610	613	508	450	840	275	245	
8"	200	737	740	660	450	1090	540	475	
10"	250	838	841	787	450	1180	870	760	
12"	300	965	968	914	610	1390	1210	1010	

CLASS 1500									
Size		L (MM)			ØW	A	Weight (kg)		
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW	
2"	50	368	371	216	305	490	60	50	
3"	80	470	473	305	450	580	95	70	
4"	100	546	549	406	450	700	205	175	
6"	150	705	711	559	450	840	440	390	
8"	200	832	842	711	450	1060	825	786	
10"	250	991	1001	864	610	1305	1240	1193	
12"	300	1130	1146	991	610	1520	2190	2105	

CLASS 2500									
Size		L (MM)			ØW	A	Weight (kg)		
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW	
2"	50	451	454	279	450	552	110	90	
3"	80	578	584	368	450	720	225	186	
4"	100	673	683	457	450	855	455	403	
6"	150	914	927	610	610	1083	839	795	
8"	200	1022	1038	762	610	1335	1256	1906	
10"	250	1270	1292	914	610	1568	2213	2156	
12"	300	1422	1444	1041	610	1932	2500	2435	

FACE TO FACE/END TO END DIMENSIONS FOR PRESSURE SEAL GLOBE VALVES

CLASS 900									
Size		L (MM)			ØW	A	Weight (kg)		
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW	
2"	50	368	371	216	305	460	60	50	
3"	80	381	384	305	354	550	85	70	
4"	100	457	460	356	408	670	150	120	
6"	150	610	613	508	450	840	275	245	
8"	200	737	740	660	450	1090	540	475	
10"	250	838	841	787	610	1180	870	760	
12"	300	965	968	914	610	1390	1210	1010	

CLASS 1500									
Size		L (MM)			ØW	A	Weight (kg)		
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW	
2"	50	368	371	216	305	460	60	50	
3"	80	470	473	305	450	550	95	70	
4"	100	546	549	406	450	610	300	260	
6"	150	705	711	559	450	1090	475	425	
8"	200	832	842	711	450	1510	800	745	
10"	250	991	1001	864	610	1760	1100	1062	
12"	300	1130	1146	991	610	2150	1875	1812	

CLASS 2500									
Size		L (MM)			ØW	A	Weight (kg)		
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW	
2"	50	451	454	279	450	580	95	65	
3"	80	578	584	368	450	660	320	290	
4"	100	673	683	457	450	1130	510	405	
6"	150	914	927	610	610	1586	873	730	
8"	200	1022	1038	762	610	1820	1165	1035	
10"	250	1270	1292	914	610	2210	1920	1810	
12"	300	1422	1444	1041	610	2615	2650	2510	

FACE TO FACE/END TO END DIMENSIONS FOR PRESSURE SEAL SWING CHECK VALVES

CLASS 900							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
2"	50	368	371	216	235	50	42
3"	80	381	384	305	290	90	74
4"	100	457	460	356	320	115	102
6"	150	610	613	508	335	240	203
8"	200	737	740	660	430	375	332
10"	250	838	841	787	510	560	508
12"	300	965	968	914	610	850	512

CLASS 1500							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
2"	50	368	371	216	235	55	42
3"	80	470	473	305	295	110	78
4"	100	546	549	406	370	175	95
6"	150	705	711	559	420	550	410
8"	200	832	842	711	490	690	600
10"	250	991	1001	864	620	1350	1250
12"	300	1130	1146	991	650	2150	1840

CLASS 2500							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
2"	50	451	454	279	416	145	110
3"	80	578	584	368	441	330	260
4"	100	673	683	457	479	650	535
6"	150	914	927	610	511	1400	1110
8"	200	1022	1038	762	711	2420	1980
10"	250	1270	1292	914	851	3750	2980
12"	300	1422	1444	1041	1000	5500	4350

MATERIALS OF CONSTRUCTION

PART NAME	CARBON STEEL	ALLOY STEEL	STAINLESS STEEL
Body	A 216 WCB / WCC	A 352 LCB / LCC	A 217 WC6/WC9/C5/C12
Bonnet	A 216 WCB / WCC	A 352 LCB / LCC	A 217 WC6/WC9/C5/C12
Yoke/Cover	A 216 WCB / WCC	A 352 LCB / LCC	A 217 WC6/WC9/C5/C12
Seat Ring	A 216 WCB / WCC+13% Cr.	A 351 C F8	A 217 WC6/WC9/C5/C12+13% Cr./A 217 CA 15
Wedge/Plug/Disc	A 216 WCB+13% Cr.	A 351 C F8	A 217 WC6/WC9/C5/C12+13% Cr.
Stem/Hinge pin	A 276 TP 410	A 276 TP 304	A 276 TP 410
Gland Flange	A 105 / CS	A 105 / CS	A 217 WC6/WC9/C5/C12 /A 105 /CS
Yoke/Cover Joints Stud	A 193 B7	A 320 L7	A 193 B 16
Yoke/Cover Joints Nuts	A 194 2H	A 194 7	A 194 7
Gland*	A 276 TP 410	A 276 TP 304	A 276 TP 410
Gland Stud*	A 193 B7	A 320 L7	A 193 B16
Gland Stud Nuts*	A 194 2H	A 194 7	A194 7
Gasket	SS Reinforcement Graphite /SS 304 / 316 /304L /316L /321		
Stem Packing*	Braided Graphite and Die Formed Graphite ring		
Yoke Sleeve*	A439 Gr.D2		
Hand wheel*	2"=Ductile Iron & 2" above SG Iron / Fabricated Steel		

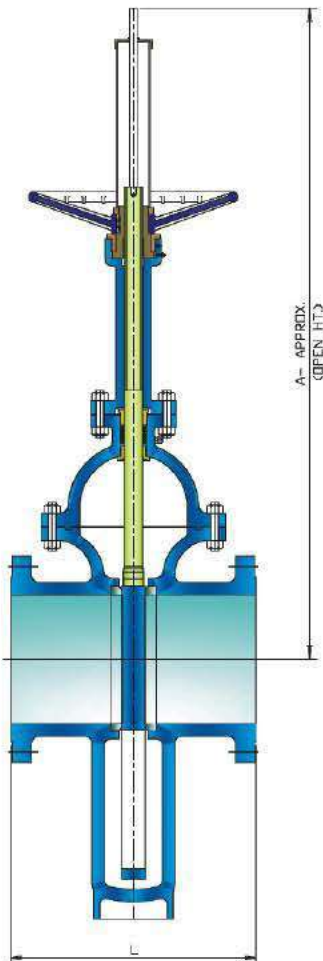
Also Available

(1) Casting in DUPLEX SS, HASTE ALLOY, MONEL etc. also provided against requirement.

(2) TRIM in different combination like TRIM = 1,2,5,8,9,10,11,12,13,14,15,16,17,18 & Bronze etc. also provided against requirement. (3) Cold Galvanized

* Not applicable in pressure seal check valve

API 6D Gate Valve



Gear Box Arrangement



Electrical Actuator Arrangement



RTJ Flange End



Buttweld End



DESIGN FEATURES

- Design and Manufacturing : API 6D
- Inspection and Testing : API 6D
- Inspection and Testing : API 6D
- End Flanges dimension : ASME B 16.5
- BW end Dimension : ASME B 16.25
- Face to Face & End to End Dimension : API 6D ASME B 16.10
- Design : SLAB Type, Through conduit passage - Piggable
- Anti-friction ball thrust bearing in yoke sleeve
- Drain & Vent Connection, Lifting Lugs & Support Legs,
- Double block & bleed, fire safe design.

SPECIAL FEATURES

- Gear Operation - applied force exceeds 350N
- Limit switch Arrangement
- Electrical & Pneumatic Arrangement
- Position indicator
- Locking arrangement
- Fugitive Emission test
- Resilient seal.
- NACE MR 0175 & MR 0103
- Pneumatic Acuator

TOLERANCE

Face to Face : $\pm 2.0\text{mm}$ for NPS $\leq 10''$ & $\pm 3.0\text{mm}$ for NPS $> 10''$

FACE TO FACE/END TO END DIMENSIONS FOR API 6D GATE VALVES

CLASS 150								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
2"	50	178	191	216	203	375	31.5	27
3"	80	203	216	283	254	473	51	42
4"	100	229	241	305	254	570	86	67
6"	150	267	279	403	305	765	147	135
8"	200	292	305	419	305	995	220	202
10"	250	330	343	457	408	1178	379	342
12"	300	356	368	502	457	1375	534	510
14"	350	381	394	572	457	1525	776	729
16"	400	406	419	610	457	1735	948	897
18"	450	432	445	660	457	1906	1207	1155
20"	500	457	470	711	457	2095	1569	1509
24"	600	508	521	813	610	2525	1950	1770

CLASS 300								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
2"	50	216	232	216	203	394	48	36
3"	80	283	298	283	254	494	96	78
4"	100	305	321	305	254	585	147	112
6"	150	403	419	403	354	842	290	245
8"	200	419	435	419	408	1034	455	227
10"	250	457	473	457	457	1240	704	306
12"	300	502	518	502	457	1424	1167	992
14"	350	562	578	562	457	1605	1438	1225
16"	400	638	654	638	457	1845	2112	2021
18"	450	714	730	714	457	1970	2485	2187
20"	500	791	807	791	610	2125	3330	2975
24"	600	1143	1165	1143	610	2580	4669	4284

CLASS 600								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
2"	50	292	295	292	254	428	72	63
3"	80	356	359	356	254	534	150	138
4"	100	432	435	432	305	680	261	243
6"	150	559	562	559	457	918	549	504
8"	200	660	664	660	457	1122	918	855
10"	250	787	791	787	457	1252	1449	1368
12"	300	838	841	838	457	1550	1945	1818
14"	350	889	892	889	457	1735	2710	2556
16"	400	991	994	991	610	1845	3330	2628
18"	450	1092	1095	1092	610	2105	4284	4113
20"	500	1194	1200	1194	610	2275	4978	4770
24"	600	1397	1407	1397	610	2686	7884	7668

CLASS 900								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
2"	50	368	371	368	302	480	138	104
3"	80	381	384	381	354	570	188	146
4"	100	457	460	457	408	670	323	234
6"	150	610	613	610	457	880	579	532
8"	200	737	740	737	457	1080	969	902
10"	250	838	841	838	457	1295	1530	144
12"	300	965	968	965	610	1490	2053	1919
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

CLASS 1500								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
2"	50	368	371	368	305	490	160	116
3"	80	470	473	470	457	575	220	164
4"	100	546	549	546	457	590	420	320
6"	150	705	711	705	457	950	660	620
8"	200	832	840	832	457	1100	1020	1050
10"	250	991	1000	991	610	1350	1700	1620
12"	300	1130	1146	1130	610	1501	2300	2160

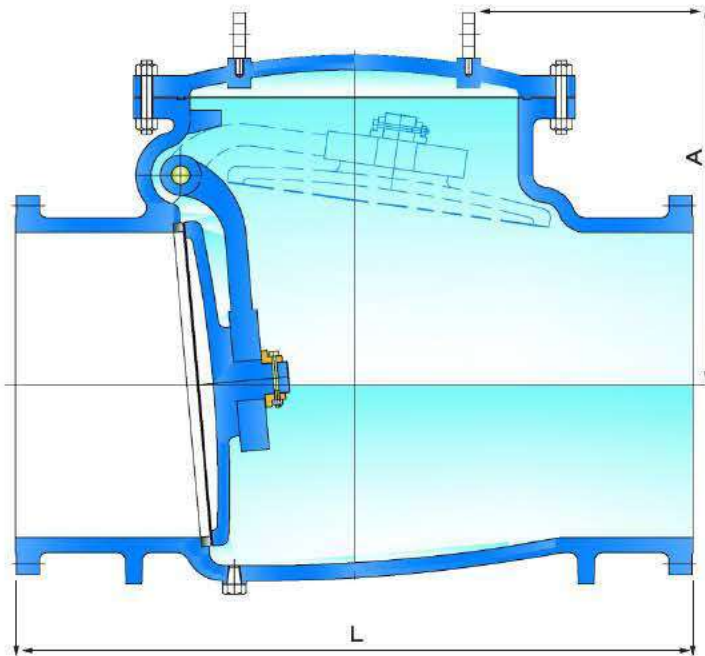
CLASS 2500								
Size		L (MM)			ØW	A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	MM	FE	BW
2"	50	451	454	451	457	550	231	184
3"	80	578	584	578	457	580	315	256
4"	100	673	683	673	457	850	525	420
6"	150	914	927	914	610	1420	798	756
8"	200	1022	1038	1022	610	1510	1281	1228
10"	250	1270	1292	1270	610	1980	1932	1848
12"	300	1422	1445	1422	610	2150	2520	2478

*Gear box suggested for 150 class 14" & above, 300 class 12" & above, 600 class 8" & above, 900 class 6" & above, 1500 class 4" & above, 2500 class 4" & above

MATERIALS OF CONSTRUCTION			
PART NAME	CARBON STEEL		STAINLESS STEEL
Body	A 216 WCB / WCC	A 352 LCB / LCC	A 351 CF8/CF8M/CF3/CF3M/CF8C
Bonnet	A 216 WCB / WCC	A 352 LCB / LCC	A 351 CF8/CF8M/CF3/CF3M/CF8C
Yoke	A 216 WCB / WCC	A 352 LCB / LCC	A 351 CF8/CF8M/CF3/CF3M/CF8C
Seat Ring	A 217 CA 15	A 351 CF8	A 351 CF8/CF8M/CF3/CF3M/CF8C
Seat insert	PTFE	PTFE	PTFE
Gate	ASTM A 217 CA 15	A 351 CF 8	A 351 CF8/CF8M/CF3/CF3M/CF8C
Stem	A 276 TP 410	A 276 TP 304	A 276 TP 304/316/304L/316L/321
Joint Stud	A 193 B7	A 320 L7	A 193 B7*/B8
Joint Stud Nuts	A 194 2H	A 194 7	A 194 2H*/8
Gland flange	A 216 WCB / A 105/CS	A 105 /CS	A 105*/CS*/A351 CF8/CF8M/CF3
Gland	A 276 TP 410	A 276 TP 304	A 276 TP 410
Gland Stud	A 193 B7	A 320 L7	A 193 B7*/B8
Gland Stud Nuts	A 194 2H	A 194 7	A 194 2H*/8
Gasket	Spiral Wound SS 316 / 316L/304L/321 With Grafoil filler		
Stem Packing	Braided Graphite & Die Formed Graphite Ring		
Yoke Sleeve	SG Iron / A 439 Gr. D2 / Bronze		
Hand wheel	Below 2" = Malleable Iron & Above 2" = SG Iron / Fabricated Steel		

Also Available : *Cold Galvanized

API 6D Swing Check Valve



Counter Weight
Arrangement



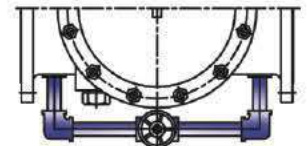
Dashpot Cylinder
Arrangement



RTJ Flange End



Buttweld End



With By-Pass Arrangement



DESIGN FEATURES

- Design and Manufacturing : API 6D
- Inspection and Testing : API 6D
- End Flanges dimension : ASME B 16.5
- BW end Dimension : ASME B 16.25
- Face to Face & End to End Dimension : API 6D/ASME B16.10
- Disc Design : Gravitational acceleration
- Design : Capability of a valve to permit the unrestricted passes of Piggability
- Drain & Vent Connection, Lifting Lugs & Support Legs

SPECIAL FEATURES

- Counter Weight arrangement
- Hydraulic Cylinder Arrangement
- NACE MR 0175 & MR 0103
- Drain & Vent connection, lifting lugs & Support legs.

TOLERANCE

Face to Face : $\pm 2.0\text{mm}$ for NPS $\leq 10''$ & $\pm 3.0\text{mm}$ for NPS $> 10''$

FACE TO FACE/END TO END DIMENSIONS FOR API 6D SWING CHECK VALVES

CLASS 150							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
2"	50	203	216	203	160	17	14
3"	80	241	254	241	180	25	21
4"	100	292	305	292	205	48	42
6"	150	356	368	356	250	90	72
8"	200	495	508	495	305	140	120
10"	250	622	635	622	336	245	230
12"	300	699	711	699	395	310	280
14"	350	787	800	787	435	540	520
16"	400	864	876	864	498	625	605
18"	450	978	991	978	540	850	810
20"	500	978	991	978	625	960	924
24"	600	1295	1308	1295	715	1290	1270

CLASS 300							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
2"	50	267	283	267	145	27	21
3"	80	318	333	318	160	58	49
4"	100	356	371	356	200	74	63
6"	150	445	460	445	250	128	115
8"	200	533	549	533	300	240	226
10"	250	622	638	622	356	335	319
12"	300	711	727	711	416	549	510
14"	350	838	854	838	440	670	640
16"	400	864	879	864	500	830	801
18"	450	978	994	978	538	990	960
20"	500	1016	1035	1016	630	1375	1310
24"	600	1346	1368	1346	712	2230	2180

CLASS 600							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
2"	50	292	295	292	145	40	35
3"	80	356	359	356	160	70	59
4"	100	432	435	432	200	126	104
6"	150	559	562	559	250	235	195
8"	200	660	664	660	365	404	310
10"	250	787	791	787	380	490	430
12"	300	838	841	838	445	755	705
14"	350	889	892	889	465	909	845
16"	400	991	994	991	528	1120	980
18"	450	1092	1095	1092	572	1740	1660
20"	500	1194	1200	1194	649	1920	1810
24"	600	1397	1407	1397	735	1990	1860

CLASS 900							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
2"	50	368	371	368	210	70	50
3"	80	381	384	381	240	170	130
4"	100	457	460	457	270	215	175
6"	150	610	613	610	330	390	310
8"	200	737	740	737	390	665	538
10"	250	838	841	838	435	1165	965
12"	300	965	968	965	525	1455	1185
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

CLASS 1500							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
2"	50	368	371	368	210	70	50
3"	80	470	473	470	280	170	130
4"	100	546	549	546	310	310	255
6"	150	705	711	705	405	700	570
8"	200	832	840	832	530	1195	970
10"	250	991	1000	991	670	1870	1480
12"	300	1130	1146	1130	698	2800	2205

CLASS 2500							
Size		L (MM)			A	Weight (kg)	
NPS	DN	RF	RTJ	BW	MM	FE	BW
2"	50	451	454	451	230	160	130
3"	80	578	584	578	300	360	290
4"	100	673	683	673	320	665	555
6"	150	914	927	914	430	1465	1205
8"	200	1022	1038	1022	565	2567	2210
10"	250	1270	1292	1270	700	3960	3165
12"	300	1422	1445	1422	750	5710	4565

MATERIALS OF CONSTRUCTION

PART NAME	CARBON STEEL	STAINLESS STEEL
Body	A 216 WCB / WCC	A 352 LCB / LCC
Cover	A 216 WCB / WCC	A 352 LCB / LCC
Seat Ring	A 216 WCB+13% Cr./ASTM A 217 CA 15	A 351 CF 8
Seat insert	VITON GF	VITON GF
Disc	A 216 WCB / WCC+13% Cr.	A 351 CF 8
Hinge	A 216 WCB / WCC	A 351 CF 8
Side Plug	A 276 TP 304	A 276 TP 304
Hinge Pin	A 276 TP 410	A 276 TP 304
Joint stud	A 193 B7	A 320L7
Joint stud nuts	A 194 2H	A 194 7
Gasket	Spiral Wound SS316/316L/304L/321 with Grafoil filler	
Disc nut	A 276 TP 304/316/304L/316L/321	

ALSO AVAILABLE

- (1) TRIM in different combination like TRIM = 1,2,5,8,9,10,11,12,13,14,15,16,17,18 & Bronze etc. also provided against requirement.
 (2) Cold Galvanized

DESCRIPTION	CLASS	DESIGN STANDARD	SIZES
Gate	150	API 600 (ISO 10434) BS 1414	2" (50 DN) TO 52" (1300 DN)
	300		2" (50 DN) TO 36" (900 DN)
	600		2" (50 DN) TO 24" (600 DN)
	900		2" (50 DN) TO 16" (300 DN)
	1500		2" (50 DN) TO 12" (300 DN)
	2500		2" (50 DN) TO 12" (300 DN)
Globe	150	BS 1873	2" (50 DN) TO 24" (600 DN)
	300		2" (50 DN) TO 16" (400 DN)
	600		2" (50 DN) TO 12" (300 DN)
	900		2" (50 DN) TO 12" (300 DN)
	1500		2" (50 DN) TO 12" (300 DN)
	2500		2" (50 DN) TO 10" (300 DN)
Swing Check	150	BS 1868	2" (50 DN) TO 40" (1000 DN)
	300		2" (50 DN) TO 36" (900 DN)
	600		2" (50 DN) TO 24" (600 DN)
	900		2" (50 DN) TO 16" (300 DN)
	1500		2" (50 DN) TO 12" (300 DN)
	2500		2" (50 DN) TO 12" (300 DN)
Forged Steel Gate	800	API 602 / ISO 15761	1/2" (15 DN) TO 2" (50 DN)
	1500	API 602 / ISO 15761	1/2" (15 DN) TO 1.1/2" (40 DN)
	2500	ASME B 16.34	1/2" (15 DN) TO 1" (25 DN)
Forged Steel Globe	800	API 602 / ISO 15761	1/2" (15 DN) TO 2" (50 DN)
	1500	API 602 / ISO 15761	1/2" (15 DN) TO 1.1/2" (40 DN)
	2500	ASME B 16.34	1/2" (15 DN) TO 1" (25 DN)
Forged Steel Lift Check	800	API 602 / ISO 15761	1/2" (15 DN) TO 2" (50 DN)
	1500	API 602 / ISO 15761	1/2" (15 DN) TO 1.1/2" (40 DN)
	2500	ASME B 16.34	1/2" (15 DN) TO 1" (25 DN)
API 6D Gate	150	API 6D	2" (50 DN) TO 24" (600 DN)
	300		2" (50 DN) TO 24" (600 DN)
	600		2" (50 DN) TO 24" (600 DN)
	900		2" (50 DN) TO 12" (300 DN)
	1500		2" (50 DN) TO 12" (300 DN)
	2500		2" (50 DN) TO 12" (300 DN)
API 6D Swing Check	150	API 6D	2" (50 DN) TO 24" (600 DN)
	300		2" (50 DN) TO 24" (600 DN)
	600		2" (50 DN) TO 24" (600 DN)
	900		2" (50 DN) TO 12" (300 DN)
	1500		2" (50 DN) TO 12" (300 DN)
	2500		2" (50 DN) TO 12" (300 DN)

(A) Additional Product Range / Special Products

- Ball Valve : Soft Seated and Metal seated Floating Design & Trunnion Mounted Design from 1/2" to 24" in Various Pressure ratings up to 2500#.
- Valve for Cryogenic Service as Per BS 6364
- Dual Plate Check Valves and wafer Check Valves
- Double Disc / Slab type conduit gate Valve as per API 6D.
- Interlocking system can be Provided on request.
- Valves are also design as per customer requirements.

(B) In House Facilities available as Jayant Valves works.

- Cryogenic Testing Facilities.
- Fire safe Testing Facilities.
- Fugitive Emission Testing Facilities.
- Elevated Temperature Testing Facilities



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