



Terms & Conditions

allow the COMPANY to make a valid claim against the carrier of the PRODUCTS for their loss or damage.

(f) If the CUSTOMER is responsible for delivery, the COMPANY will not be responsible for delays or failure to deliver by the carrier set up by the CUSTOMER or due to causes beyond the COMPANY control. Delivery of material to a common carrier shall be considered delivery to the Buyer. Claims for loss or any damage to material in transit shall be filed by the Buyer direct with the carrier. Claims for any shortage, corrections or deductions must be made in writing within 48 hours after receipt of goods.

7. PASSING OF RISK AND TITLE, CANCELLATION AND RETURNS

The COMPANY'S liability for the PRODUCTS passes from the COMPANY to the CUSTOMER on the earlier of the following two dates: 1) the date when the PRODUCTS are delivered to the CUSTOMER, the CUSTOMER'S agent, or a person that the CUSTOMER has authorized to accept delivery, or 2) the agreed date of delivery, if the CUSTOMER fails to take delivery as required.

(a) Under the CONTRACT.

(b) The COMPANY remains the owner of the PRODUCTS until it receives full payment for all PRODUCTS whether or not the PRODUCTS are delivered to the CUSTOMER. If the CUSTOMER sells the PRODUCTS to a third party before the COMPANY receives full payment, the proceeds of the sale shall first apply to pay all amounts due to the COMPANY. The COMPANY or its representative is entitled to recover or resell the PRODUCTS and to enter the CUSTOMER'S premises for that purpose, without this affecting its other rights; if the CUSTOMER has not paid the full purchase price or if insolvency proceedings are commenced against the CUSTOMER.

(c) Purchase Orders once placed by CUSTOMER and accepted by COMPANY can be cancelled only with COMPANY'S written consent and upon terms which will save COMPANY from loss. No PRODUCTS may be returned for credit or adjustment without written permission from COMPANY'S officer authorized to issue such permission.

(d) All sales are final. This means that the CUSTOMER is not entitled to credit for returned PRODUCTS whether or not the CUSTOMER has made a complaint or a claim. If the Company expressly agrees in writing that the COMPANY will credit the CUSTOMER for returned PRODUCTS, the CUSTOMER must return the PRODUCTS promptly, carriage-paid, and in the COMPANY'S opinion in good condition to receive the credit. If the COMPANY expressly agrees in writing that the CUSTOMER can return the PRODUCTS, cancel order or change order, the CUSTOMER will be charged for work performed, based on the following schedule. All freight for return or cancelled/changed goods shall be prepaid by CUSTOMER.

- Twenty Five (25%) percent of price on stock items.
- Fifty (50%) percent of price of stock items ordered in quantities which exceed normal inventory levels.
- Twenty Five (25%) percent of price prior to drawing submittal on made to order items.
- Forty (40%) percent on drawing approval, but prior to start of castings.
- Seventy (70%) percent during casting cycle, dependent on the state of completion.
- One Hundred (100%) percent on castings that are not standard materials used by COMPANY in daily sales; i.e. Stainless Steel, Duplex, Nickel, etc.
- Eighty (80%) during machining and assembly operations, this is dependent on the state of completion.
- One Hundred (100%) percent after final assembly and test.
- Special Product Orders: or non standard products are not subject to any schedule level of cancellation, except on such terms as COMPANY may specify on application only.

8. WARRANTY AND LIMITATIONS OF LIABILITY

(a) As to all PRODUCTS sold hereunder, the COMPANY expresses no warranties whatsoever but only assigns to CUSTOMER all transferable warranties and remedies granted by the manufacturer of such PRODUCTS to which COMPANY is entitled and CUSTOMER agrees to look solely to such manufacturers with regard to claims and remedies relating to such PRODUCTS. THE COMPANY SPECIFICALLY DISCLAIMS ALL WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND SATISFACTORY QUALITY. THE COMPANY MAKES NO WARRANTIES AND REPRESENTATIONS, AS TO QUALITY, CAPABILITIES, OPERATIONS, NONINFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS, PERFORMANCE AND SUITABILITY OF THE PRODUCTS.

(b) LIMITATION OF LIABILITY. CUSTOMER'S EXCLUSIVE REMEDY AGAINST COMPANY FOR DEFECTS IN THE PRODUCTS IS THE MANUFACTURER'S WARRANTY SET FORTH IN SECTION 8 (a). THE PARTIES AGREE THAT UNDER NO CIRCUMSTANCE SHALL THE

COMPANY HAVE ANY LIABILITY WHATSOEVER FOR ANY CLAIM ARISING FROM OR RELATING TO THE ORDERS OR THE PRODUCTS FOR AN AGGREGATE AMOUNT IN EXCESS OF THE INVOICED PRICE FOR THE PRODUCTS.

(c) The COMPANY shall not be liable for any damage resulting from delays, failure of the PRODUCTS, loss of profit or revenues, loss of time or loss of use, cost of capital, diminution of goodwill, or claims of CUSTOMER'S customers.

(d) IN NO CIRCUMSTANCES WILL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, PUNITIVE OR INDIRECT LOSS OR DAMAGE WHATSOEVER.

(e) The COMPANY is not liable if the CUSTOMER'S use of the PRODUCTS infringes on a third party's patent rights.

(f) Any exclusions or limitations of liability in this CONTRACT in favor of the COMPANY are agreed to be extended for the benefit of all COMPANY'S and/or individuals within the COMPANY'S group of COMPANIES. The CUSTOMER agrees in the appointment of the COMPANY as its agent or trustee solely for the extension of the benefit of the exclusions and limitations of liability. All duties, liabilities and obligations that would otherwise result from this agency are expressly excluded.

(g) The COMPANY warrants the PRODUCTS provided to the original CUSTOMER, not any third party, for a period of one year after date of shipment, that PRODUCTS will be free from defects in materials and workmanship under proper and normal installation and use. Any claim for defect goods should be by written notice to the COMPANY immediately upon discovery. NO warranty shall apply to PRODUCTS which has been modified or changed in design or function, misused, or improperly maintained. The COMPANY shall be able to inspect claimed defects at original CUSTOMER's facility to determine its obligation. Without written authorization of COMPANY, any repair labor or material is not allowed. No PRODUCTS may be returned without written permission from COMPANY.

9. SPECIFICATION, INSTRUCTIONS AND/OR DESIGN

If PRODUCTS are modified to a specification, instruction or design supplied by CUSTOMER or any third party on behalf of CUSTOMER, then:

(a) The suitability and accuracy of that specification, instruction and/or design will be CUSTOMER'S responsibility.

(b) The CUSTOMER will indemnify COMPANY against any infringement or alleged infringement of any third party's intellectual property rights including but not limited to patent, design right, registered design, trademark, trade name or copyright and any loss, damage or expense which it may incur by reason of any such infringement or alleged infringement in any county, and

(c) The CUSTOMER will indemnify COMPANY against any loss, damage or expense in respect of any liability arising in any country by reasons of the PRODUCTS being made to such specification, instruction or design.

10. CHOICE OF LAW AND JURISDICTION

(a) The laws of the State of California, including the Uniform Commercial Code, shall govern this CONTRACT. Jurisdiction and venue shall be the Superior Court of Kern County, Bakersfield, California. However, the CUSTOMER expressly agrees that the COMPANY may take action in another jurisdiction to obtain security for the COMPANY'S claims under the CONTRACT.

(b) The CONTRACT constitutes the entire agreement between the COMPANY and the CUSTOMER concerning the supply of the PRODUCTS. The CUSTOMER agrees that he has no other rights of recourse to the COMPANY other than those expressly stated in these General Conditions. The General Conditions apply whether or not the CUSTOMER has a cause of action because the COMPANY or its representative has acted negligently.

11. ATTORNEY'S FEES

In the event of any litigation or arbitration or any quasi-judicial or administrative proceeding involving the parties hereto to enforce any provision of this Agreement, to enforce any remedy available upon default hereunder, or seeking a declaration of the rights of either party hereunder, the prevailing party shall be entitled to recover from the other such attorney's fees and costs as may be reasonably incurred, including the costs of reasonable investigation, preparation and professional or expert consultation incurred by reason of such litigation, arbitration or proceeding. Sums actually expended in the prosecution or defense of any litigation, arbitration or proceeding within the meaning of the foregoing sentence shall be prima facie evidence of reasonable attorneys' fees, costs and disbursements.

Seeking a Great Name in Valve Technology

Please visit our DHV website: www.dhvindustries.com or www.dhvvalve.com for a copy of our API 6D monogram certificate. Customer and Project referrals are available upon request. For certified data and current specifications, please contact us or your local DHV agent. Information provided in this catalog is for general purposes only.

DHV reserves the right to discontinue the manufacture or change and modify our design and construction of any DHV product, in due course of our manufacturing procedure without incurring any obligation to accept for credit, to replace or furnish or install such changes or modifications on products previously or subsequently sold.



DHV Industries, Inc.

3451 Pegasus Drive Bakersfield, CA 93308 U.S.A.
Call Toll Free: (877) DHV-USA1
Phone: (661) 392-8948 Fax: (661) 392-8947
E-mail: sales@dhvindustrie.com
Website: www.dhvindustries.com

Your local DHV agent



Cast Steel Valves

Gate / Globe / Check / Plug

DHV Industries, Inc.

3451 Pegasus Drive
Bakersfield, CA 93308 U.S.A.
Call Toll Free: (877) DHV-USA1
Phone: (661) 392-8948
Fax: (661) 392-8947
E-mail: sales@dhvindustries.com
Website: www.dhvindustries.com



Table of Contents

Introduction

Quality is our commitment, while competitive price and timely delivery is our promise. **From** the beginning, the DHV name has become associated with quality in every step of our manufacturing process. For the past decades our customers worldwide have trusted us to provide them with consistent and reliable valve products in their most severe and critical service. **We** at DHV are proud of our ability to meet the stringent requirements of Refining, Gas/Oil, Pipeline, Petrochemical and Power Plant.

DHV Gate / Globe / Check Valves are designed, manufactured and tested to the latest manufacturing specifications of the American & International Standards Organizations. We welcome your challenges and look forward to serving your critical project needs.

• Figure Number System	2
• Gate Valve	3
• Globe Valve	6
• Check Valve	9
• Parallel Slide Gate Valve	12
• Pressure Seal Gate Valve	14
• Pressure Seal Globe Valve	17
• Pressure Seal Check Valve	20
• API 6D Slab Gate Valve	23
• API 6D Expanding Gate Valve	26
• API 6D Swing Check Valve	29
• API 6D Piston Check Valve	32
• Plug Valve	34
• Dual-Plate Wafer Check Valve	36
• Product Specification	38
• Term & Conditions	39



DHV Figure Numbers

Cast Steel Valves

Type C

- 1 = OS & Y Gate
- 2 = Globe
- 3 = Swing Check
- 4 = NRS GATE
- 5 = Pressure Seal Bonnet Gate
- 6 = Pressure Seal Bonnet Globe
- 7 = Pressure Seal Bonnet Check
- 8 = Y Pattern
- 9 = Angle
- A = Conduit Gate
- B = Plug Valve
- C = Strainer
- D = Soft Seat Block & Bleed Gate
- E = API 6D Swing Check
- F = Twin Seal Plug Valve
- G = Parallel Slide Gate
- H = Piston Check
- X = Special

Type WC

- 1 = Single-Plate Wafer Check
- 2 = Dual-Plate Wafer Check
- 3 = Lift Wafer Check
- X = Special

Pressure Class

- 1 = Class 150
- 2 = Class 300
- 3 = Class 600
- 4 = Class 900
- 5 = Class 1500
- 6 = Class 2500

Body and Bonnet Material

- 0 = ASTM A216 WCB
- 1 = ASTM A216 WCC
- 2 = ASTM A352 LCB
- 3 = ASTM A352 LCC
- 4 = ASTM A351 CF8M
- 5 = ASTM A351 CF8
- 6 = ASTM A351 CF3M
- 7 = ASTM A351 CF3
- 8 = ASTM A890 4A
- X = Special

End Connections

- F = Raised Face Flanged End
- R = Ring Type Joint Flanged End
- P = Plain Plate Face Flanged End
- B = Butt-welding End
- T = Threaded End
- S = Socket-welding End
- W= Wafer-Type
- L = Lug-Type or Full Flange
- D = Double Flange-Type
- X = Other Type End Connection

Conduit Gate & Plug Valve Seat Type

- None = Other Valves
- S = Soft Seal
- M = Metal Seal

8" OS & Y Gate valve, class 300, A216 WCB body & bonnet, raised face, flanged end, with HF / HF Trim, Gear Operated

Code

- C = Cast Steel Valves
- F = Forged Steel Valves
- I = Cast Iron Valves
- B = Ball Valves
- WB = Wafer Butterfly
- WC = Wafer Check Valve
- W = Wellhead Valves

Trim Material

	Seat Seal Face	Disc Seal Face	Stem Material
1 =	13CR	13CR	F6
2 =	HF	HF	F6
3 =	HF	13CR	F6
4 =	Monel	Monel	Monel
5 =	316 SS	316 SS	F316
6 =	HF	316 SS	F316
7 =	304 SS	304 SS	F304
8 =	HF	304 SS	F304
9 =	Inconel	Inconel	Inconel
A =	HF	HF	F316
B =	Duplex S.S.		
X =	Special		

Operator

- None = Lever or Handwheel Operator
- CO = Chain Wheel Operator
- GO = Gear Operator
- BS = Bare Stem
- EM = Electric Motor Operator
- PA = Pneumatic Actuator
- HA = Hydraulic Actuator
- PH = Pneumatic-Hydraulic Actuator

Conduit Gate Type

- None = Other Valves
- EG = Expanding Gate
- SG = Slab Gate

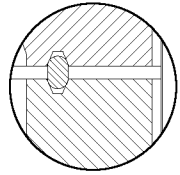
Example: 8" - C120F2 - XX - X - GO



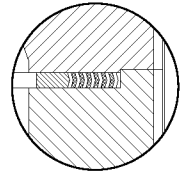
Gate Valve

Material List

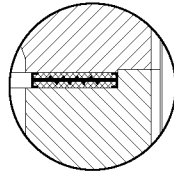
Flange Gasket



Ring Type Joint
≥ 600lb



Spiral Wound Gasket
300lb



Metal Backup
Graphite Gasket
150lb

Trim Material

DHV Trim Code	Disc Surface Part No.4	Seat Ring Surface Part No.5	Stem Part No.6	Backseat Part No.8
1	13CR	13CR	F6A	420
2	HF	HF	F6A	420
3	13CR	HF	F6A	420
4	Monel	Monel	Monel	Monel
5	316	316	F316	316
6	316	HF	F316	316
7	304	304	F304	304
8	304	HF	F304	304
9	INCONEL	INCONEL	INCONEL	INCONEL
A	HF	HF	F316	316SS
B	DSS	DSS	DSS	DSS

Standard Material Specifications

Part Name	Carbon Steel to ASTM			Alloy Steel to ASTM			Stainless Steel to ASTM		
1 Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
2 Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
4 Disc	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
5 Seat Ring	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
7 Stem Nut	A439 D2						B150 C61900		
9 Packing Ring	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A276 304	A276 316	A182 F51
10 Packing Gland	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A276 304	A276 316	A182 F51
11 Gland Flange	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
12 Gland	Steel								
13 Handwheel Nut	Steel								
14 Handwheel	Ductile Iron								
17 Packing	Graphite								
19 Bonnet Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
20 Bonnet Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
23 Eyebolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
24 Eyebolt Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
25 Pin	Steel								



Gate Valve

Feature & Dimension

Features

- OS & Y, Rising Stem
- Flexible Wedge
- Bolted Bonnet
- Renewable Seat Rings Welded or Threaded
- Flanged Ends or Buttwelding Ends

Specifications

Basic Design: **API 600 ASME B16.34**

Optional Design

150-600LB: **API 603**

Face to Face: **ASME B16.10**

End Flange:

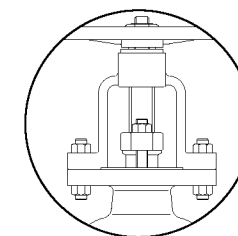
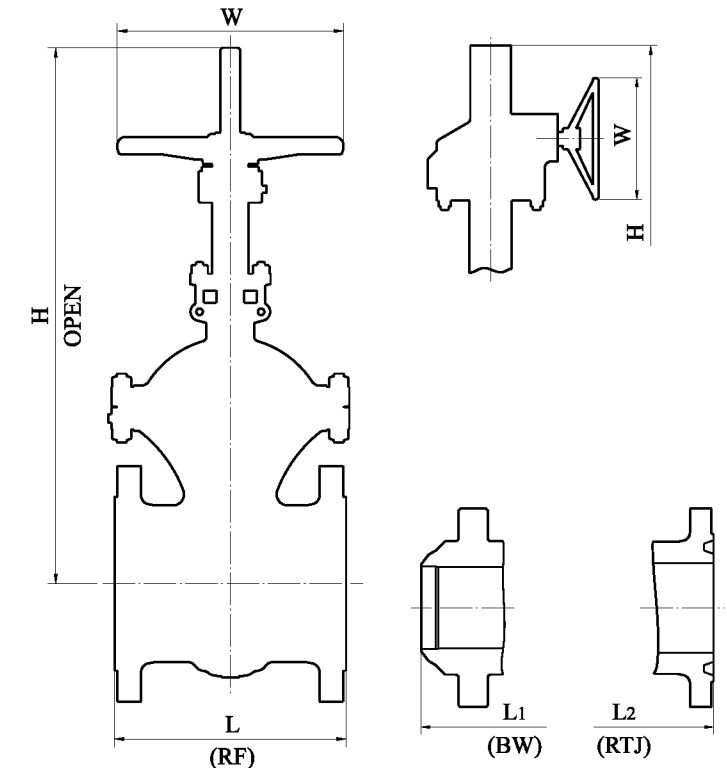
2"-24" **ASME B16.5**

26"-36" **ASME B16.47**

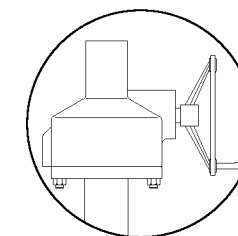
B.W End: **ASME B16.25**

Test and Inspection: **API 598**

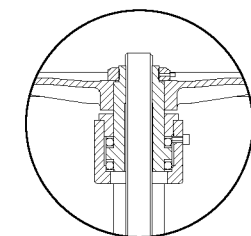
Manufacturing to NACE MR0103 on request



Separate Yoke



Bevel Gear



Bearing Yoke

150LB	≥ 24"
300LB	≥ 20"
600LB	≥ 14"
900LB	≥ 10"
1500LB	≥ 8"
2500LB	≥ 8"

150LB	≥ 16"
300LB	≥ 16"
600LB	≥ 6"
900LB	≥ 4"
1500LB	≥ 4"
2500LB	≥ 4"

150LB

Description		Valve Size														
		2	3	4	6	8	10	12	14	16	20	24	28	30	32	36
Flanged End L	in	7.00	8.00	9.00	10.50	11.50	13.00	14.00	15.00	16.00	18.00	20.00	24.00	24.00	26.00	28.00
	mm	178	203	229	267	292	330	356	381	406	457	508	610	610	660	711
Weld End L ₁	in	8.50	11.12	12.00	15.88	16.50	18.00	19.75	22.50	24.00	28.00	32.00	36.00	36.00	38.00	40.00
	mm	216	283	305	403	419	457	502	572	610	711	813	914	914	965	1016
Height to Open H	in	16.38	19.21	23.62	31.34	38.23	45.83	53.58	58.98	67.24	82.68	100.91	117.17	124.45	130.31	147.09
	mm	416	488	600	796	971	1164	1361	1498	1708	2100	2563	2976	3161	3310	3736
Handwheel Dia W	in	7.90	9.80	11.80	13.80	15.80	17.70	17.70	19.70	23.60	26.80	18.10	24.00	24.00	24.00	24.00
	mm	200	250	300	350	400	450	450	500	600	680	460	610	610	610	610
Weight	RF Kg	20	35	51	83	135	210	286	389	492	800	1416	1910	2538	2977	3389
	BW Kg	16	26	43	71	116	160	243	354	488	764	1382	1848	2253	2509	3319

For sizes out of above range, please consult DHV for details.



Gate Valve

Dimension

300LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	20	24	30
Flanged End L	in	8.50	11.14	12.00	15.88	16.50	18.00	19.75	30.00	33.00	39.00	45.00	55.00
	mm	216	283	305	403	419	457	502	762	838	991	1143	1397
Weld End L1	in	8.50	11.14	12.00	15.88	16.50	18.00	19.75	30.00	33.00	39.00	45.00	55.00
	mm	216	283	305	403	419	457	502	762	838	991	1143	1397
Height to Open H	in	17.01	19.61	23.86	33.15	39.45	47.64	54.80	60.55	68.90	84.88	101.85	127.20
	mm	432	498	606	842	1002	1210	1392	1538	1750	2156	2587	3231
Handwheel Dia W	in	7.90	9.80	11.80	15.80	17.70	17.70	19.70	23.60	23.60	18.10	24.00	24.00
	mm	200	250	300	400	450	450	500	600	600	460	610	610
Weight	RF Kg	27	48	67	160	235	350	470	650	975	1560	2500	3497
	BW Kg	18	48	66	136	164	344	400	532	830	1338	2144	2957

600LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	20	24	30
Flanged End L	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	47.00	55.00	65.00
	mm	292	356	432	559	660	787	838	889	991	1194	1397	1651
Weld End L1	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	47.00	55.00	65.00
	mm	292	356	432	559	660	787	838	889	991	1194	1397	1651
RTJ L2	in	11.62	14.12	17.12	22.12	26.14	31.14	33.12	35.12	39.12	47.25	55.38	65.50
	mm	295	359	435	562	664	791	841	892	994	1200	1407	1664
Height to Open H	in	17.01	21.06	25.87	35.04	40.67	48.19	55.63	63.15	70.83	86.22	103.70	127.20
	mm	432	535	657	890	1033	1224	1413	1604	1799	2190	2634	3231
Handwheel Dia W	in	9.80	11.80	13.80	17.70	19.70	23.60	26.80	18.10	24.00	27.60	27.60	39.40
	mm	250	300	350	450	500	600	680	460	610	700	700	1000
Weight	RF Kg	40	70	120	290	405	611	925	1275	1532	2721	3680	5897
	BW Kg	29	57	84	221	340	549	872	1074	1347	2401	3077	4763

900LB

Description		Valve Size									
		2	3	4	6	8	10	12	14	16	20
Flanged End L	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	52.00
	mm	368	381	457	610	737	838	965	1029	1130	1321
Weld End L1	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	52.00
	mm	368	381	457	610	737	838	965	1029	1130	1321
RTJ L2	in	14.62	15.12	18.12	24.12	29.12	33.12	38.12	40.87	44.87	52.50
	mm	371	384	460	613	740	841	968	1038	1140	1334
Height to Open H	in	20.04	22.87	25.79	36.73	43.74	60.31	67.36	77.72	85.43	108.82
	mm	509	581	655	933	1111	1532	1711	1974	2170	2764
Handwheel Dia W	in	11.80	13.80	15.80	19.70	23.60	24.00	24.00	24.00	24.00	27.60
	mm	300	350	400	500	600	610	610	610	610	700
Weight	RF Kg	80	103	170	344	640	1200	1460	2305	2945	5036
	BW Kg	60	72	108	267	498	910	1328	2064	2658	4446

1500LB

Description		Valve Size							2500LB						
		2	3	4	6	8	10	12	2	3	4	6	8	10	12
Flanged End L	in	14.50	18.50	21.50	27.75	32.75	39.00	44.50	17.76	22.76	26.50	35.98	40.24	50.00	55.98
	mm	368	470	546	705	832	991	1130	451	578	673	914	1022	1270	1422
Weld End L1	in	14.50	18.50	21.50	27.75	32.75	39.00	44.50	17.75	22.76	26.50	35.98	40.24	50.00	55.98
	mm	368	470	546	705	832	991	1130	451	578	673	914	1022	1270	1422
RTJ L2	in	14.62	18.62	21.62	28.00	33.13	39.38	45.12	17.87	23.00	26.89	36.50	40.87	50.87	56.89
	mm	371	473	549	711	841	1000	1146	454	584	683	927	1038	1292	1445
Height to Open H	in	19.84	25.39	27.56	38.43	47.28	59.84	65.00	23.62	28.86	35.04	57.48	64.96	82.60	90.55
	mm	504	645	700	976	1201	1520	1651	600	733	890	1460	1650	2098	2300
Handwheel Dia W	in	11.80	15.80	17.70	23.60	24.00	24.00	27.60	13.80	15.80	19.70	23.60	24.00	27.60	27.60
	mm	300	400	450	600	610	610	700	350	400	500	600	610	700	700
Weight	RF Kg	80	175	248	504	1069	2273	2775	140	285	502	1605	2468	4598	6205
	BW Kg	60	139	197	352	790	1986	2705	105	215	387	1315	2078	3828	5305

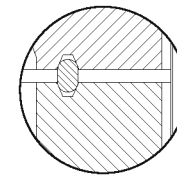
For sizes out of above range, please consult DHV for details.



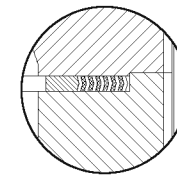
Globe Valve

Material List

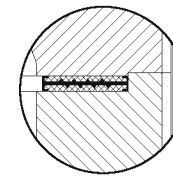
Flange Gasket



Ring Type Joint
≥ 600lb



Spiral Wound Gasket
300lb



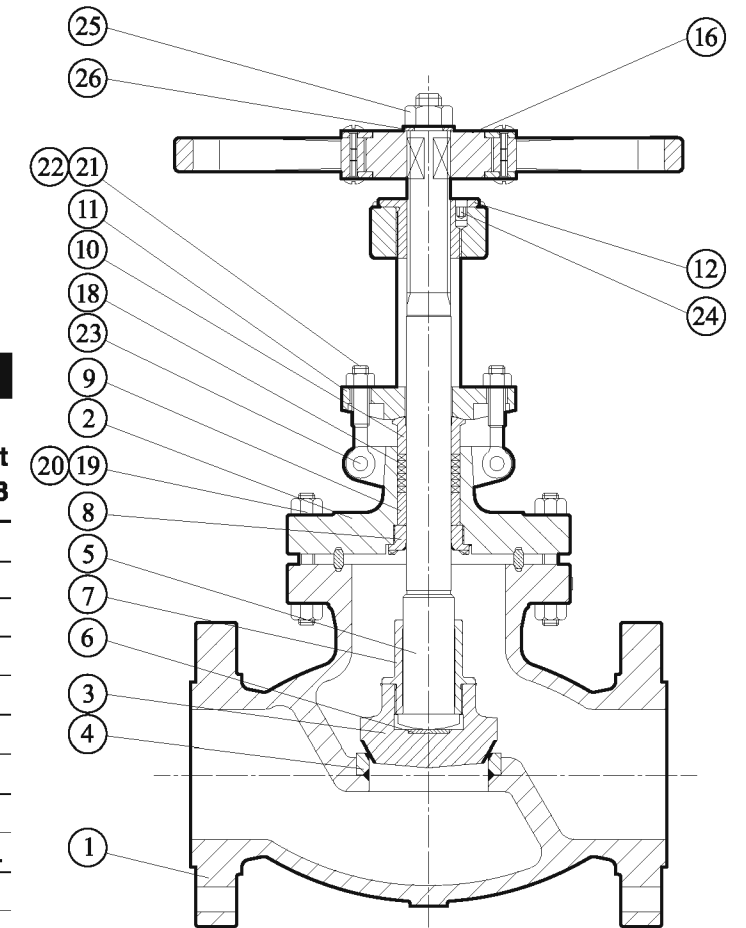
Metal Backup
Graphite Gasket
150lb

Trim Material

DHV Trim Code	Disc Surface Part No.3	Seat Ring Surface Part No.4	Stem Part No.5	Backseat Part No.8
1	13CR	13CR	F6A	420
2	HF	HF	F6A	420
3	13CR	HF	F6A	420
4	Monel	Monel	Monel	Monel
5	316	316	F316	316
6	316	HF	F316	316
7	304	304	F304	304
8	304	HF	F304	304
9	INCONEL	INCONEL	INCONEL	INCONEL
A	HF	HF	F316	316SS
B	DSS	DSS	DSS	DSS

Standard Material Specifications

Part Name		Carbon Steel to ASTM			Alloy Steel to ASTM			Stainless Steel to ASTM		
1	Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
2	Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
3	Disc	A105N	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
4	Seat Ring	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
6	Thrust Washer	A276 430	A276 430	A276 430	A276 430	A276 430	A276 430	A182 F304	A182 F316	A182 F51
7	Disc Nut	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
9	Packing Ring	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
10	Gland	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
11	Gland Flange	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
12	Stem Nut	A439 D2						B150 C61900		
16	Handwheel	Ductile Iron								
18	Packing	Graphite								
19	Bonnet Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
20	Bonnet Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
21	Eyebolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
22	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
23	Pin	Steel								
24	Screw	Steel								
25	Handwheel Nut	Steel								
26	Washer	Steel								





Globe Valve

Feature & Dimension

Features

- OS & Y, Rising Stem
- Plug Disc
- Bolted Bonnet
- Renewable Seat Rings Welded or Threaded
- Flanged Ends or Buttwelding Ends

Specifications

Basic Design: **BS 1873 API 623**

Face to Face: **ASME B16.10**

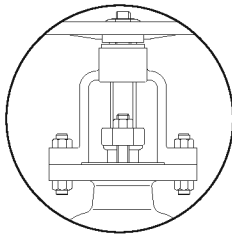
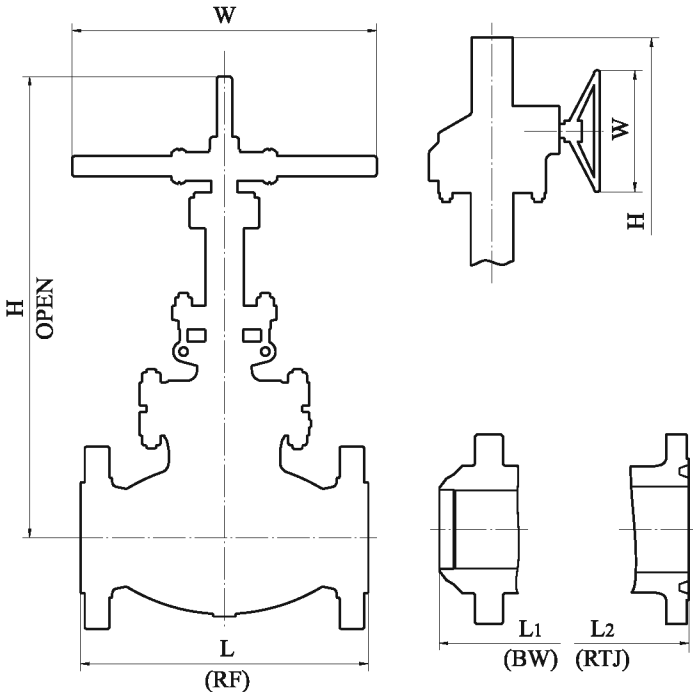
End to End: **ASME B16.10**

End Flange: **ASME B16.5**

B.W End: **ASME B16.25**

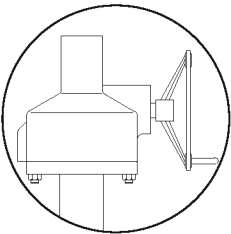
Test and Inspection: **API 598**

Manufacturing to NACE MR0103 on request



Separate Yoke

≥16"



Bevel Gear

150LB	≥ 16"
300LB	≥ 12"
600LB	≥ 10"
900LB	≥ 6"
1500LB	≥ 3"
2500LB	≥ 2"

150LB

Description		Valve Size									
		2	3	4	6	8	10	12	14	16	20
Flanged End L	in	8.00	9.50	11.50	16.00	19.50	24.50	27.50	31.00	36.00	38.50
	mm	203	241	292	406	495	622	698	787	914	978
Weld End L1	in	8.00	9.50	11.50	16.00	19.50	24.50	27.50	31.00	36.00	38.50
	mm	203	241	292	406	495	622	698	787	914	978
Height to Open H	in	14.33	16.38	18.70	20.91	24.80	29.13	38.19	42.13	44.09	55.91
	mm	364	416	475	531	630	740	970	1070	1120	1420
Handwheel Dia W	in	7.90	9.80	9.80	13.80	13.80	19.70	23.60	23.60	26.80	24.00
	mm	200	250	250	350	350	500	600	600	680	610
Weight	RF Kg	20	33	57	105	189	290	518	600	754	2710
	BW Kg	16	28	46	86	165	220	329	541	680	2410

For sizes out of above range, please consult DHV for details.



Globe Valve

Dimension

300LB

Description		Valve Size								
		2	3	4	6	8	10	12	14	16
Flanged End L	in	10.50	12.50	14.00	17.50	22.00	24.50	28.00	33.00	34.00
	mm	267	318	356	445	559	622	711	838	864
Weld End L1	in	10.5	12.50	14.00	17.50	22.00	24.50	28.00	33.00	34.00
	mm	267	318	356	445	559	622	711	838	864
Height to Open H	in	15.28	17.48	20.08	26.10	30.35	35.04	46.06	50.79	52.95
	mm	388	444	510	663	771	890	1170	1290	1345
Handwheel Dia W	in	7.90	9.80	13.80	15.80	19.70	23.60	23.60	24.00	24.00
	mm	200	250	350	400	500	600	600	610	610
Weight	RF Kg	30	53	85	175	270	450	754	1185	1675
	BW Kg	25	40	68	139	210	382	662	1035	1475

600LB

Description		Valve Size						
		2	3	4	6	8	10	12
Flanged End L	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00
	mm	292	356	432	559	660	787	838
Weld End L1	in	11.5	14	17.00	22	26.00	31.00	33.00
	mm	292	356	432	559	660	787	838
RTJ L2	in	11.62	14.12	17.12	22.12	26.12	31.12	33.12
	mm	295	359	435	562	663	790	841
Height to Open H	in	15.94	20.59	24.49	30.20	35.47	42.13	55.12
	mm	405	523	622	767	901	1070	1400
Handwheel Dia W	in	9.80	13.80	15.80	19.70	23.60	26.80	24.00
	mm	250	350	400	500	600	680	610
Weight	RF Kg	35	80	155	274	498	956	1350
	BW Kg	28	76	138	207	415	679	1060

900LB

Description		Valve Size						
		2	3	4	6	8	10	12
Flanged End L	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00
	mm	368	381	457	610	737	838	965
Weld End L1	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00
	mm	368	381	457	610	737	838	965
RTJ L2	in	14.62	15.12	18.12	24.12	29.12	33.12	38.12
	mm	371	384	460	613	740	841	968
Height to Open H	in	19.53	24.09	26.73	36.22	43.31	51.18	66.14
	mm	496	612	679	920	1100	1300	1680
Handwheel Dia W	in	13.80	13.80	17.70	23.60	24.00	24.00	27.60
	mm	350	350	450	600	610	610	700
Weight	RF Kg	80	104	187	405	698	1001	1880
	BW Kg	70	106	148	330	575	821	1650

1500LB

Description		Valve Size						
		2	3	4	6	8	10	12
Flanged End L	in	14.50	18.50	21.50	27.75	32.75	39.00	44.50
	mm	368	470	546	705	832	991	1130
Weld End L1	in	14.50	18.50	21.50	27.75	32.75	39.00	44.50
	mm	368	470	546	705	832	991	1130
RTJ L2	in	14.62	18.62	21.62	28.00	33.13	39.38	45.12
	mm	371	473	549	711	841	1000	1146
Height to Open H	in	19.53	28.46	30.20	49.21	75.59	94.49	112.05
	mm	496	723	767	1250	1920	2400	2846
Handwheel Dia W	in	13.80	17.70	19.70	24.00	24.00	27.60	27.60
	mm	350	450	500	610	610	700	700
Weight	RF Kg	80	245	335	550	975	1480	2500
	BW Kg	70	159	284	452	815	1280	2200

For sizes out of above range, please consult DHV for details.

2500LB

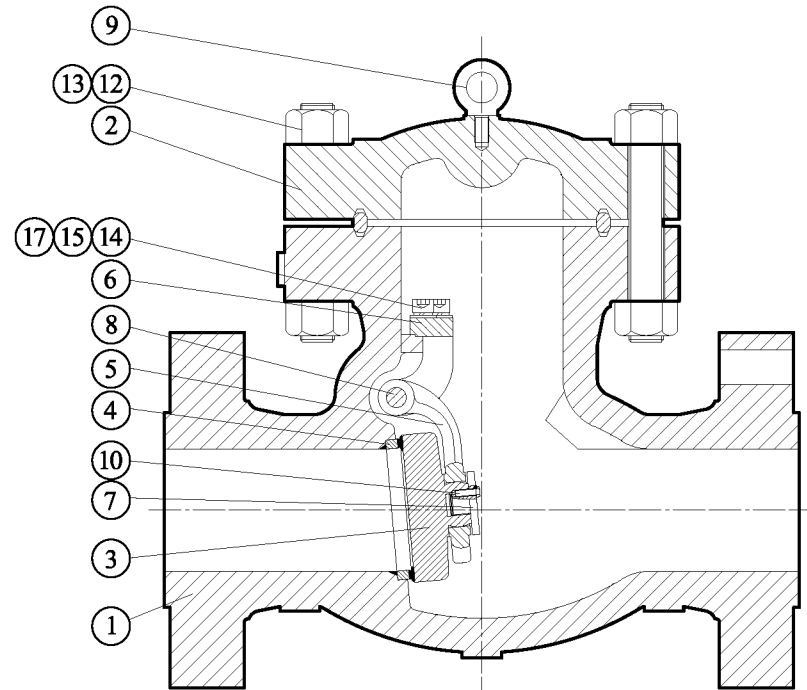
Description		Valve Size					
		2	3	4	6	8	10
Flanged End L	in	17.76	22.76	26.50	35.98	40.24	50.00
	mm	451	578	673	914	1022	1270
Weld End L1	in	17.76	22.76	26.50	35.98	40.24	50.00
	mm	451	578	673	914	1022	1270
RTJ L2	in	17.88	23.00	26.89	36.50	40.87	50.87
	mm	454	584	683	927	1038	1292
Height to Open H	in	27.80	34.13	42.24	53.23	95.12	119.92
	mm	706	867	1073	1352	2416	3046
Handwheel Dia W	in	15.80	21.70	24.00	24.00	24.00	27.60
	mm	400	550	610	610	610	700
Weight	RF Kg	175	305	755	1950	4300	5200
	BW Kg	140	235	640	1660	3860	4300



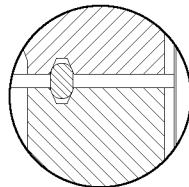
Check Valve

Material List

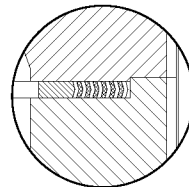
Trim Material		
DHV Trim Code	Disc Surface Part No.3	Seat Ring Surface Part No.4
1	13CR	13CR
2	HF	HF
3	13CR	HF
4	Monel	Monel
5	316	316
6	316	HF
7	304	304
8	304	HF
9	INCONEL	INCONEL
A	HF	HF
B	DSS	DSS



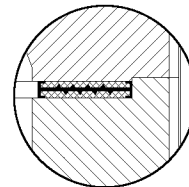
Flange Gasket



Ring Type Joint
≥ 600lb



Spiral Wound Gasket
300lb



Metal Backup
Graphite Gasket
150lb

Standard Material Specifications

Part Name	Carbon Steel to ASTM			Alloy Steel to ASTM			Stainless Steel to ASTM		
1 Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
2 Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
3 Disc	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
4 Seat Ring	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
5 Swing Arm	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
6 Hinge	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
7 Disc Screw	Stainless Steel								
8 Hinge Pin	Stainless Steel								
9 Screw	Stainless Steel								
10 Stud	Stainless Steel								
12 Bonnet Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
13 Bonnet Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
14 Stud	Stainless Steel								
15 Spring Washer	Stainless Steel								
17 Washer	Stainless Steel								



Check Valve

Feature & Dimension

Features

- Bolted Bonnet
- Swing Type Disc
- Renewable Seat Rings Welded or Threaded
- Flanged Ends or Buttwelding Ends

Specifications

Basic Design: **BS 1868 API 594**

Face to Face: **ASME B16.10**

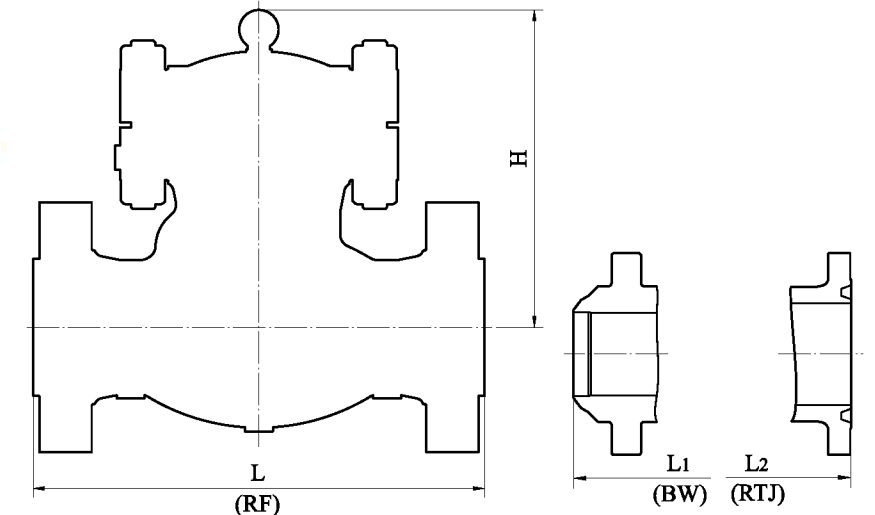
End Flange:
2"-24" **ASME B16.5**

26"-30" **ASME B16.47**

B.W End: **ASME B16.25**

Test and Inspection: **API 598**

Manufacturing to NACE MR0103 on request



150LB

Description			Valve Size											
			2	3	4	6	8	10	12	14	16	20	24	30
Flanged End L	in		8.00	9.50	11.50	14.00	19.50	24.50	27.50	31.00	34.00	38.50	51.00	60.00
	mm		203	241	292	356	495	622	699	787	864	978	1295	1524
Weld End L1	in		8.00	9.50	11.50	14.00	19.50	24.50	27.50	31.00	34.00	38.50	51.00	60.00
	mm		203	241	292	356	495	622	699	787	864	978	1295	1524
Height H	in		7.05	8.19	9.49	10.79	14.37	15.98	18.11	20.08	22.87	27.56	32.83	38.58
	mm		179	208	241	274	365	406	460	510	581	700	834	980
Weight	RF	Kg	16	25	45	73	135	200	302	376	577	870	948	2030
	BW	Kg	11	16	32	51	100	166	247	290	503	770	809	1770

300LB

Description			Valve Size										
			2	3	4	6	8	10	12	14	16	20	24
Flanged End L	in		10.50	12.50	14.00	17.50	21.00	24.50	28.00	33.00	34.00	40.00	51.00
	mm		267	318	356	445	533	622	711	838	864	1016	1346
Weld End L1	in		10.50	12.50	14.00	17.50	21.00	24.50	28.00	33.00	34.00	40.00	51.00
	mm		267	318	356	445	533	622	711	838	864	1016	1346
Height H	in		7.87	9.06	9.80	12.40	15.00	17.56	20.31	21.69	23.82	29.02	32.83
	mm		200	230	249	315	381	446	516	551	605	737	834
Weight	RF	Kg	25	57	64	120	195	329	460	576	851	1335	1808
	BW	Kg	21	47	52	103	159	251	424	436	777	975	1752

For sizes out of above range, please consult DHV for details.



Check Valve

Dimension

600LB											
Description		Valve Size									
		2	3	4	6	8	10	12	14	16	20
Flanged End L	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	47.00
	mm	292	356	432	559	660	787	838	889	991	1194
Weld End L1	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	47.00
	mm	292	356	432	559	660	787	838	889	991	1194
RTJ L2	in	11.62	14.12	17.12	22.12	26.12	31.12	33.12	35.12	39.12	47.25
	mm	295	359	435	562	663	790	841	892	994	1200
Height H	in	8.19	10.28	11.65	15.16	17.68	19.41	22.05	24.02	25.98	31.42
	mm	208	261	296	385	449	493	560	610	660	798
Weight	RF Kg	30	63	99	220	345	509	718	865	1280	2008
	BW Kg	26	53	70	157	262	337	592	674	902	1590

900LB											
Description		Valve Size									
		2	3	4	6	8	10	12			
Flanged End L	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00			
	mm	368	381	457	610	737	838	965			
Weld End L1	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00			
	mm	368	381	457	610	737	838	965			
RTJ L2	in	14.62	15.12	18.12	24.12	29.12	33.12	38.12			
	mm	372	384	460	613	740	841	968			
Height H	in	11.26	11.81	13.62	16.61	21.02	23.03	25.16			
	mm	286	300	346	422	534	585	639			
Weight	RF Kg	70	110	155	290	525	775	1020			
	BW Kg	50	77	118	215	402	597	801			

1500LB											
Description		Valve Size									
		2	3	4	6	8	10	12			
Flanged End L	in	14.50	18.50	21.50	27.75	32.75	39.00	44.50			
	mm	368	470	546	705	832	991	1130			
Weld End L1	in	14.50	18.50	21.50	27.75	32.75	39.00	44.50			
	mm	368	470	546	705	832	991	1130			
RTJ L2	in	14.62	18.62	21.62	28.00	33.13	39.38	45.12			
	mm	371	473	549	711	841	1000	1146			
Height H	in	11.26	13.62	15.31	20.08	24.33	28.27	31.50			
	mm	286	346	389	510	618	718	800			
Weight	RF Kg	70	155	220	550	922	1298	2120			
	BW Kg	50	120	165	452	662	834	1620			

2500LB											
Description		Valve Size									
		2	3	4	6	8	10	12			
Flanged End L	in	17.75	22.76	26.50	36.00	40.24	50.00	55.98			
	mm	451	578	673	914	1022	1270	1422			
Weld End L1	in	17.75	22.76	26.50	36.00	40.24	50.00	55.98			
	mm	451	578	673	914	1022	1270	1422			
RTJ L2	in	17.87	23.00	26.88	36.50	40.87	50.87	56.89			
	mm	454	584	683	927	1038	1292	1445			
Height H	in	13.62	15.16	20.16	24.21	27.99	33.46	39.37			
	mm	346	385	512	615	711	850	1000			
Weight	RF Kg	125	280	675	906	2420	3751	5505			
	BW Kg	90	210	560	765	1980	2980	4354			

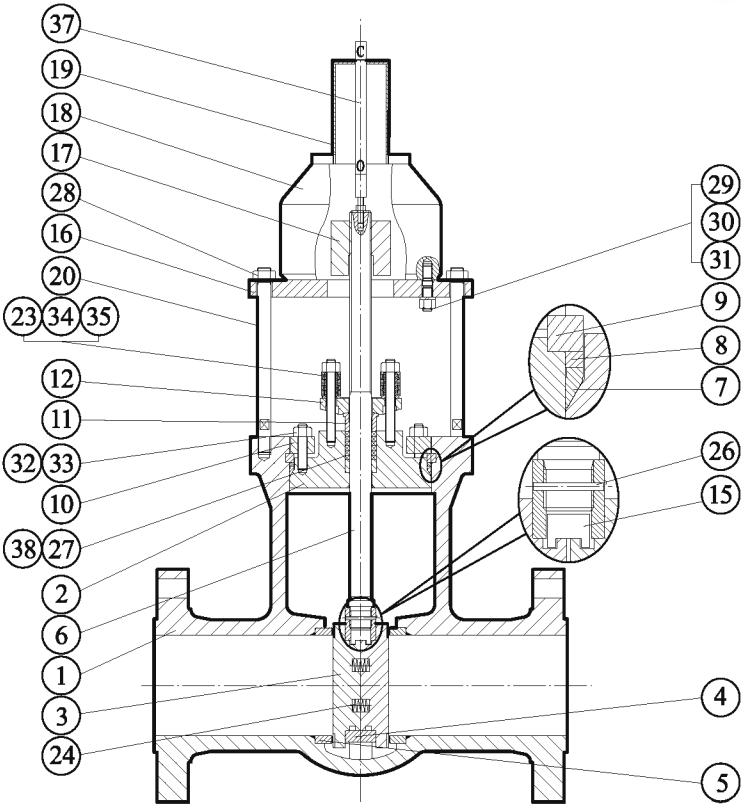
For sizes out of above range, please consult DHV for details.



Parallel Slide Gate Valve

Material List

Trim Material			
DHV	Bonnet	Gate	Seat
Trim	backseat	Surface	Surface
Code	Part No.2	Part No.3	Part No.5
4	Monel	Monel	Monel
5	316	316	316
6	316	316	HF
9	INCONEL	INCONEL	INCONEL
A	HF	HF	HF
B	DSS	DSS	DSS



Standard Material Specifications

Part Name		Carbon Steel to ASTM			Alloy Steel to ASTM			Stainless Steel to ASTM		
1	Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
2	Bonnet	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
3	Gate	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F51
4	Gate Retainer	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F51
5	Seat	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F51
6	Stem	A564 S17400								
7	Silver Plated-Gasket	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F51
8	Thrust Ring	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F51
9	Pendant Collet	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
10	Pressure Plate	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
11	Gland	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F51
12	Gland Flange	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
15	Stop Plate	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F51
16	Gland-adaptor Plate	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
17	Stem Nut	B150 C61900								
18	Gear	Steel								
19	Dustproof Cover	Steel								
20	Yoke	Steel								
23	Belleville Spring	Steel								
24	Spring	Steel								
26	Pin	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F316	A182 F51
27	Packing	Graphite								
28	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A193 B16	A194 8	A194 8M	A194 8MLCuNa
29	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A194 4	A193 B8	A193 B8M	A193 B8MLCuN
30	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A193 B16	A194 8	A194 8M	A194 8MLCuNa
31	Spring Washer	Steel								
32	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A194 4	A193 B8	A193 B8M	A193 B8MLCuN
33	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A193 B16	A194 8	A194 8M	A194 8MLCuNa
34	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A194 4	A193 B8	A193 B8M	A193 B8MLCuN
35	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
37	Stem Indicator	Steel								
38	Packing Ring	B150 C61900								



Parallel Slide Gate Valve

Feature & Dimension

Features

- Bonnet Seal achieved by fluid pressure
- Hard faced backseat
- Complete flow isolation in either direction
- Minimum pressure drop
- Inherent self cleaning action
- Freedom from leakage, independent of temperature or pressure changes
- In line maintenance
- By-pass system available upon request

Specifications

Basic Design: **ASME B16.34**

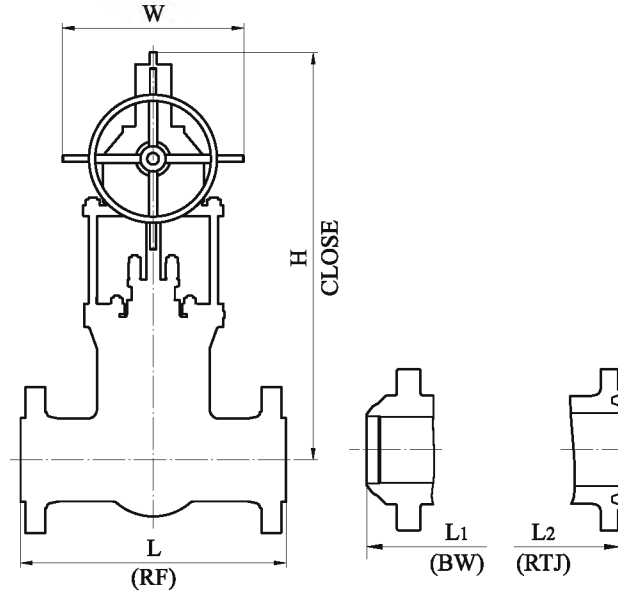
Face to Face: **ASME B16.10**

End Flange: **ASME B16.5**

B.W End: **ASME B16.25**

Test and Inspection: **API 598**

Manufacturing to NACE MR0103 on request



600LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	18	20	24
Flanged End L	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00
	mm	292	356	432	559	660	787	838	889	991	1092	1194	1397
Weld End L1	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00
	mm	292	356	432	559	660	787	838	889	991	1092	1194	1397
RTJ L2	in	11.61	14.13	17.13	22.13	26.10	31.10	33.11	35.12	39.13	43.11	47.24	55.39
	mm	295	359	435	562	663	790	841	892	994	1095	1200	1407
Height H	in	18.50	25.63	27.95	43.50	48.31	51.93	68.54	68.54	74.21	88.39	97.24	117.44
	mm	470	651	710	1105	1227	1319	1741	1741	1885	2245	2470	2983
Handwheel Dia W	in	13.78	13.78	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50
	mm	350	350	800	800	800	800	800	800	800	800	800	800
Weight	RF Kg	27	91	113	363	590	900	1497	1497	1769	2268	3447	4536
	BW Kg	21	75	80	289	485	738	1300	1300	1434	1838	2892	3741

900LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	18	20	24
Flanged End L	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00
	mm	368	381	457	610	737	838	965	1029	1130	1219	1321	1549
Weld End L1	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00
	mm	368	381	457	610	737	838	965	1029	1130	1219	1321	1549
RTJ L2	in	14.61	15.12	18.11	24.13	29.13	33.11	38.11	40.87	44.88	48.50	52.52	61.73
	mm	371	384	460	613	740	841	968	1038	1140	1232	1334	1568
Height H	in	18.50	24.84	27.95	43.50	48.31	51.89	68.54	68.54	78.54	89.45	97.24	117.44
	mm	470	631	710	1105	1227	1318	1741	1741	1995	2272	2470	2983
Handwheel Dia W	in	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50
	mm	800	800	800	800	800	800	800	800	800	800	800	800
Weight	RF Kg	27	91	113	363	590	900	1497	1497	1769	2268	3447	4536
	BW Kg	21	75	80	289	485	738	1300	1300	1434	1838	2892	3741

1500LB

Description		Valve Size									Valve Size						
		2	3	4	6	8	10	12	14	16	2	3	4	6	8	10	12
Flanged End L	in	14.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54.50	17.75	22.75	26.50	36.00	40.25	50.00	56.00
	mm	368	470	546	705	832	991	1130	1257	1384	451	578	673	914	1022	1270	1422
Weld End L1	in	14.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54.50	17.75	22.75	26.50	36.00	40.25	50.00	56.00
	mm	368	470	546	705	832	991	1130	1257	1384	451	578	673	914	1022	1270	1422
RTJ L2	in	14.61	18.62	21.61	27.99	33.11	39.37	45.12	50.24	55.39	17.87	22.99	26.89	36.50	40.87	50.87	56.89
	mm	371	473	549	711	841	1000	1146	1276	1407	454	584	683	927	1038	1292	1445
Height H	in	18.50	25.63	27.95	43.50	48.31	51.93	57.91	57.91	71.50	25.24	27.05	27.05	40.94	49.37	51.85	62.76
	mm	470	651	710	1105	1227	1319	1471	1471	1816	641	687	687	1040	1254	1317	1594
Handwheel Dia W	in	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50
	mm	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
Weight	RF Kg	27	91	113	363	590	900	1497	1497	1769	99	102	136	386	680	909	1587
	BW Kg	21	75	80	289	485	738	1300	1300	1434	63	86	103	315	580	750	1400

For sizes out of above range, please consult DHV for details.

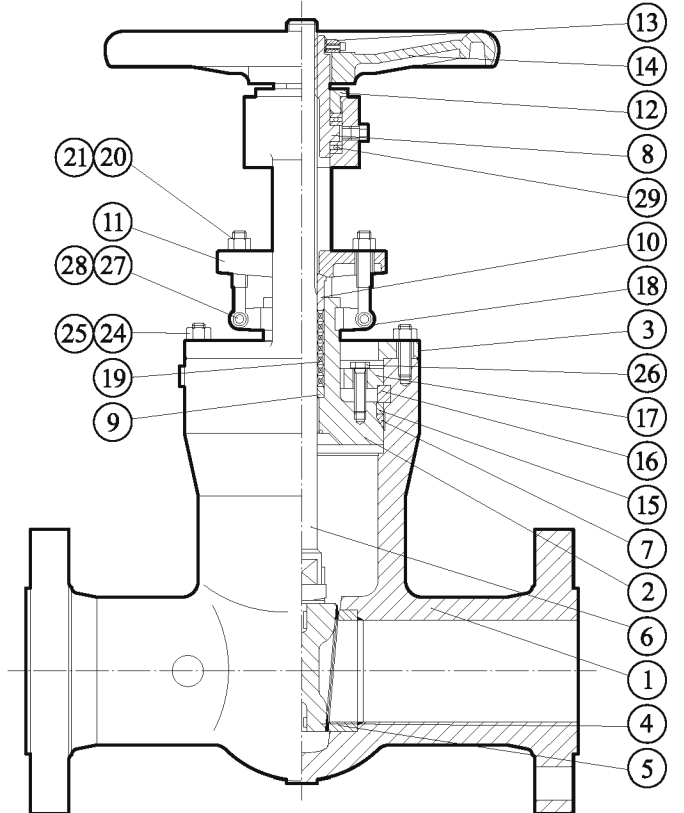


Pressure Seal Gate Valve

Material List

Trim Material

DHV Trim Code	Disc Surface Part No.4	Seat Ring Surface Part No.5	Stem Part No.6
1	13CR	13CR	F6A
2	HF	HF	F6A
3	13CR	HF	F6A
4	Monel	Monel	Monel
5	316	316	F316
6	316	HF	F316
7	304	304	F304
8	304	HF	F304
9	INCONEL	INCONEL	INCONEL
A	HF	HF	F6A
B	DSS	DSS	DSS



Standard Material Specifications

Part Name		Carbon Steel to ASTM			Alloy Steel to ASTM			Stainless Steel to ASTM		
1	Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
2	Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
3	Yoke	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
4	Disc	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
5	Seat Ring	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
7	Seal Ring	316SS/Soft Steel Silver Plated								
8	Stem Nut	A439 D2			B150 C61900					
9	Packing Washer	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
10	Packing Gland	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
11	Gland Flange	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
12	Gland	Steel								
13	Handwheel Nut	Steel								
14	Handwheel	Ductile Iron								
15	Thrust Ring	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
16	Retainer	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
17	Pressure Plate	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
18	Gland	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
19	Packing	Graphite								
20	Eyebolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
21	Eyebolt Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
24	Yoke Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
25	Yoke Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
26	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
27	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
28	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
29	Bearing	Steel								



Pressure Seal Gate Valve

Feature & Dimension

Features

- OS & Y, Rising Stem
- Flexible Wedge
- Body seat rings in all sizes are seal-welded into the body
- Bonnet Seal achieved by fluid pressure
- Hard faced backseat
- Flanged Ends or Buttwelding Ends
- By-pass system available upon request
- ISO pad available upon request

Specifications

Basic Design: **API 600 MSS SP-144**

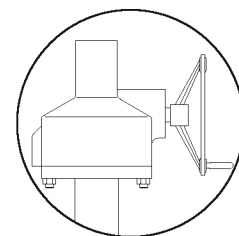
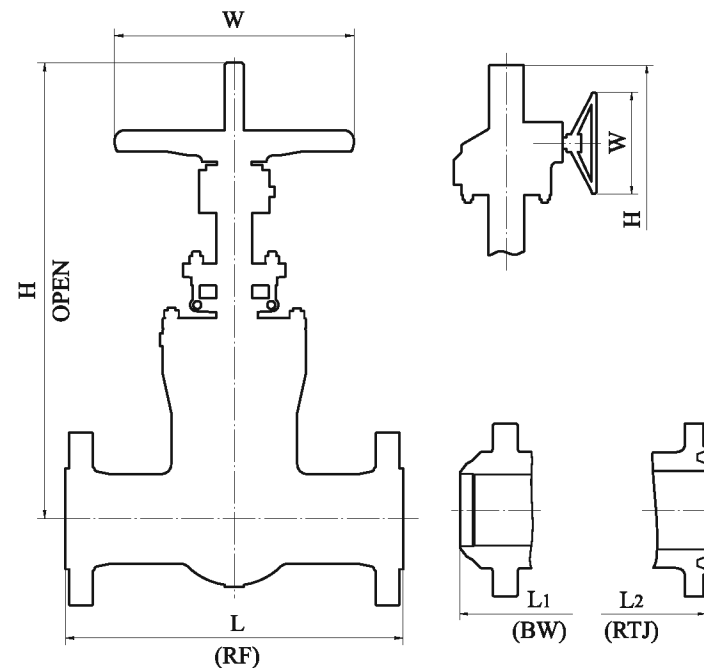
Face to Face: **ASME B16.10**

End Flange: **ASME B16.5**

B.W End: **ASME B16.25**

Test and Inspection: **API 598**

Manufacturing to NACE MR0103 on request



Bevel Gear

600LB	≥ 14"
900LB	≥ 10"
1500LB	≥ 8"
2500LB	≥ 8"

600LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	20	24	30
Flanged End L	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	47.00	55.00	65.00
	mm	292	356	432	559	660	787	838	889	991	1194	1397	1651
Weld End L1	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	47.00	55.00	65.00
	mm	292	356	432	559	660	787	838	889	991	1194	1397	1651
RTJ L2	in	11.62	14.12	17.12	22.12	26.12	31.12	33.12	35.12	39.12	47.25	55.38	65.50
	mm	295	359	435	562	663	790	841	892	994	1200	1407	1664
Height H	in	22.76	25.73	35.26	41.67	48.88	58.30	69.10	71.65	83.42	95.30	115.75	146.04
	mm	578	654	896	1058	1242	1481	1755	1820	2119	2421	2940	3709
Handwheel Dia W	in	9.80	11.80	13.80	17.70	19.70	23.60	26.80	18.10	24.00	27.60	27.60	39.40
	mm	250	300	350	450	500	600	680	460	610	700	700	1000
Weight	RF Kg	69	98	145	240	314	421	505	657	887	1416	2038	3185
	BW Kg	61	82	113	168	211	263	312	426	559	872	1259	1970

For sizes out of above range, please consult DHV for details.



Pressure Seal Gate Valve

Dimension

900LB

Description			Valve Size										
			2	3	4	6	8	10	12	14	16	20	24
Flanged End L	in		14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	52.00	61.00
	mm		368	381	457	610	737	838	965	1029	1130	1321	1549
Weld End L1	in		8.50	12.00	14.00	20.00	26.00	31.00	36.00	39.00	43.00	52.00	61.00
	mm		216	305	356	508	660	787	914	991	1092	1321	1549
RTJ L2	in		14.62	15.12	18.12	24.12	29.12	33.12	38.12	40.87	44.87	52.50	61.75
	mm		371	384	460	613	740	841	968	1038	1140	1333	1568
Height H	in		22.76	29.17	35.37	42.71	49.23	59.53	68.72	78.17	87.24	106.10	125.07
	mm		578	741	898	1085	1250	1512	1745	1985	2216	2695	3177
Handwheel Dia W	in		11.80	13.80	15.80	19.70	23.60	24.00	24.00	24.00	24.00	27.60	39.40
	mm		300	350	400	500	600	610	610	610	610	700	1000
Weight	RF	Kg	69	105	164	315	679	988	1390	1749	2470	4312	6635
	BW	Kg	61	69	112	208	510	757	1081	1441	2007	3611	5321

1500LB

Description			Valve Size										
			2	3	4	6	8	10	12	14	16	20	24
Flanged End L	in		14.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54.50	65.50	76.50
	mm		368	470	546	705	832	991	1130	1257	1384	1664	1943
Weld End L1	in		8.50	12.00	16.00	22.00	28.00	34.00	39.00	42.00	47.00	58.00	66.00
	mm		216	305	406	559	711	864	991	1067	1194	1473	1676
RTJ L2	in		14.62	18.62	21.62	28.00	33.13	39.38	45.12	50.25	55.38	66.38	77.63
	mm		371	473	549	711	842	1000	1146	1276	1407	1686	1972
Height H	in		22.92	29.17	35.37	43.54	52.05	59.96	72.15	85.50	89.94	119.68	145.69
	mm		582	741	898	1106	1322	1523	1833	2172	2284	3040	3700
Handwheel Dia W	in		11.80	15.80	17.70	23.60	24.00	24.00	27.60	27.60	27.60	39.40	39.40
	mm		300	400	450	600	610	610	700	700	700	1000	1000
Weight	RF	Kg	62	123	227	530	937	1524	2140	2686	3704	7223	10398
	BW	Kg	41	85	156	387	704	1103	1493	1852	2830	5606	8075

2500LB

Description		Valve Size						
		2	3	4	6	8	10	12
Flanged End L	in	17.75	22.75	26.50	36.00	40.25	50.00	56.00
	mm	451	578	673	914	1022	1270	1422
Weld End L1	in	11.00	14.50	18.00	24.00	30.00	36.00	41.00
	mm	279	368	457	610	762	914	1041
RTJ L2	in	17.88	23.00	26.88	36.50	40.88	50.88	56.88
	mm	454	584	683	927	1038	1292	1445
Height H	in	22.92	29.17	35.51	44.41	53.59	67.44	72.27
	mm	582	741	902	1128	1361	1713	1836
Handwheel Dia W	in	13.80	15.80	19.70	23.60	24.00	27.60	27.60
	mm	350	400	500	600	610	700	700
Weight	RF Kg	87	170	339	834	1358	2443	3029
	BW Kg	52	98	196	478	833	1646	2283

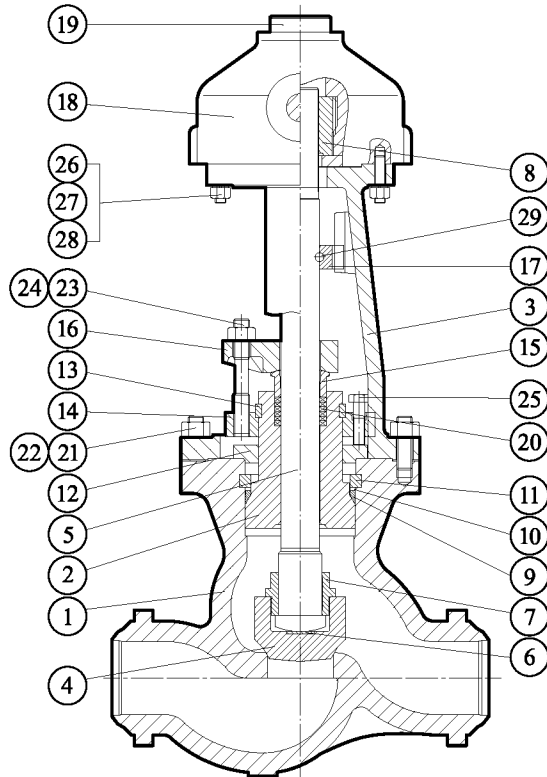
For sizes out of above range, please consult DHV for details.



Pressure Seal Globe Valve

Material List

Trim Material			
DHV Trim Code	Body Seal Surface Part No.1	Disc Surface Part No.4	Stem Part No.5
1	13CR	13CR	F6A
2	HF	HF	F6A
3	HF	13CR	F6A
4	Monel	Monel	Monel
5	316	316	F316
6	HF	316	F316
7	304	304	F304
8	HF	304	F304
9	INCONEL	INCONEL	INCONEL
A	HF	HF	F6A
B	DSS	DSS	DSS



Standard Material Specifications

Part Name		Carbon Steel to ASTM			Alloy Steel to ASTM			Stainless Steel to ASTM		
1	Body	A216 WCB	A216 WCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
2	Bonnet	A216 WCB	A216 WCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
3	Yoke	A216 WCB	A216 WCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
4	Disc	A216 WCB	A216 WCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
6	Thrust Washer	A276 430	A276 430	A276 430	A276 430	A276 430	A276 430	A182 F304	A182 F316	A182 F51
7	Disc Nut	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
8	Stem Nut	A439 D2						B150 C61900		
9	Seal Ring	316SS/Soft Steel Silver Plated								
10	Thrust Ring	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
11	Retainer	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
12	Pressure Plate	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
13	Retainer Ring	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
14	Gland	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
15	Packing Gland	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
16	Gland Flange	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
17	Guide Block	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
18	Gear	Steel								
19	Dustproof Cover	Steel								
20	Packing	Graphite								
21	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
22	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
23	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
24	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
25	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
26	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
27	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
28	Spring Washer	Steel								
29	Pin	Steel								



Pressure Seal Globe Valve

Feature & Dimension

Features

- OS & Y, Rising Stem
- Plug Disc
- Bonnet Seal achieved by fluid pressure
- Hard faced backseat
- Flanged Ends or Buttwelding Ends
- By-pass system available upon request
- ISO pad available upon request

Specifications

Basic Design: **ASME B16.34**

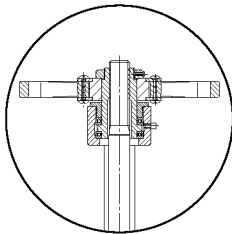
Face to Face: **ASME B16.10**

End Flange: **ASME B16.5**

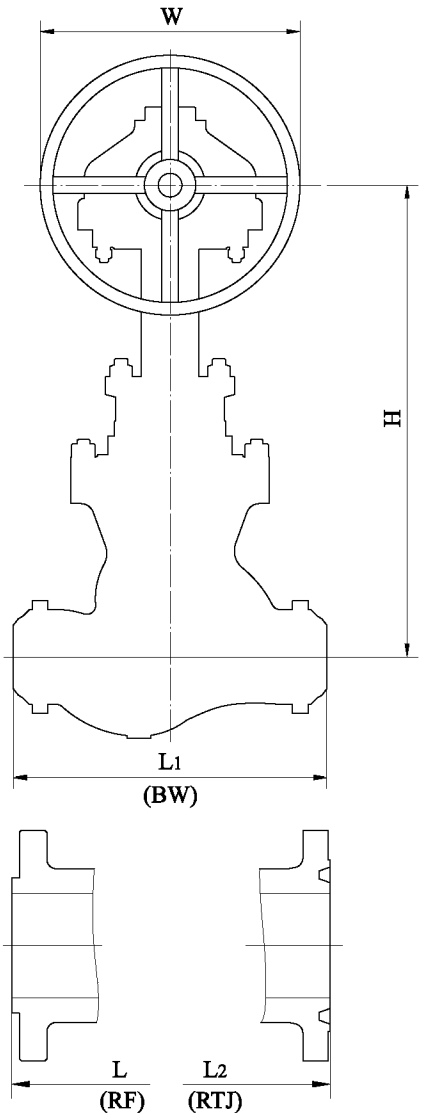
B.W End: **ASME B16.25**

Test and Inspection: **API 598**

Manufacturing to NACE MR0103 on request



600LB	≤ 8"
900LB	≤ 4"
1500LB	≤ 2"



600LB

Description			Valve Size								
			2	3	4	6	8	10	12	14	16
Flanged End L	in		11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00
	mm		292	356	432	559	660	787	838	889	991
Weld End L ₁	in		11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00
	mm		292	356	432	559	660	787	838	889	991
RTJ L ₂	in		11.62	14.12	17.12	22.12	26.12	31.12	33.12	35.12	39.12
	mm		295	359	435	562	663	790	841	892	994
Height H	in		21.26	27.56	28.94	45.67	48.23	54.13	59.84	69.49	83.46
	mm		540	700	735	1160	1225	1375	1520	1765	2120
Handwheel Dia W	in		9.80	13.80	17.70	21.70	23.60	26.80	24.00	24.00	27.60
	mm		250	350	450	550	600	680	610	610	700
Weight	RF	Kg	45	88	135	308	610	1290	1865	2670	3100
	BW	Kg	35	63	95	233	530	1130	1685	2480	2850

For sizes out of above range, please consult DHV for details.



Pressure Seal Globe Valve

Dimension

900LB										
Description		Valve Size								
		2	3	4	6	8	10	12	14	16
Flanged End L	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50
	mm	368	381	457	610	737	838	965	1029	1130
Weld End L1	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50
	mm	368	381	457	610	737	838	965	1029	1130
RTJ L2	in	14.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88
	mm	371	384	460	613	740	841	968	1038	1140
Height H	in	23.82	29.25	32.68	48.62	52.17	59.84	67.52	77.17	89.17
	mm	605	743	830	1235	1325	1520	1715	1960	2265
Handwheel Dia W	in	13.80	17.70	19.70	23.60	24.00	24.00	39.40	39.40	39.40
	mm	350	450	500	600	610	610	1000	1000	1000
Weight	RF Kg	84	120	175	445	1030	1685	2250	3290	3920
	BW Kg	58	88	133	382	925	1485	2000	2990	3520

1500LB										
Description		Valve Size								
		2	3	4	6	8	10	12	14	
Flanged End L	in	14.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	
	mm	368	470	546	705	832	990	1130	1257	
Weld End L1	in	14.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	
	mm	368	470	546	705	832	990	1130	1257	
RTJ L2	in	14.62	18.62	21.62	28.00	33.13	39.38	45.12	50.25	
	mm	371	473	549	711	841	1000	1146	1276	
Height to Open H	in	23.82	32.28	33.07	47.44	69.49	77.17	89.17	103.94	
	mm	605	820	840	1205	1765	1960	2265	2640	
Handwheel Dia W	in	13.80	19.70	24.00	24.00	24.00	39.40	39.40	39.40	
	mm	350	500	610	610	610	1000	1000	1000	
Weight	RF Kg	84	140	232	900	1730	2625	3330	4200	
	BW Kg	58	125	164	763	1468	2225	2740	3500	

2500LB										
Description		Valve Size								
		2	3	4	6	8	10	12		
Flanged End L	in	17.76	22.76	26.50	36.00	40.24	50.00	56.00		
	mm	451	578	673	914	1022	1270	1422		
Weld End L1	in	17.76	22.76	26.50	36.00	40.24	50.00	56.00		
	mm	451	578	673	914	1022	1270	1422		
RTJ L2	in	17.88	23.00	26.89	36.50	40.87	50.87	56.89		
	mm	454	584	683	927	1038	1292	1445		
Height to Open H	in	23.82	30.91	50.20	52.95	83.46	98.03	103.94		
	mm	605	785	1275	1345	2120	2490	2640		
Handwheel Dia W	in	15.80	24.00	24.00	24.00	24.00	39.40	39.40		
	mm	400	610	610	610	610	1000	1000		
Weight	RF Kg	103	216	515	1290	2470	3235	4110		
	BW Kg	72	142	358	950	2030	2435	3210		

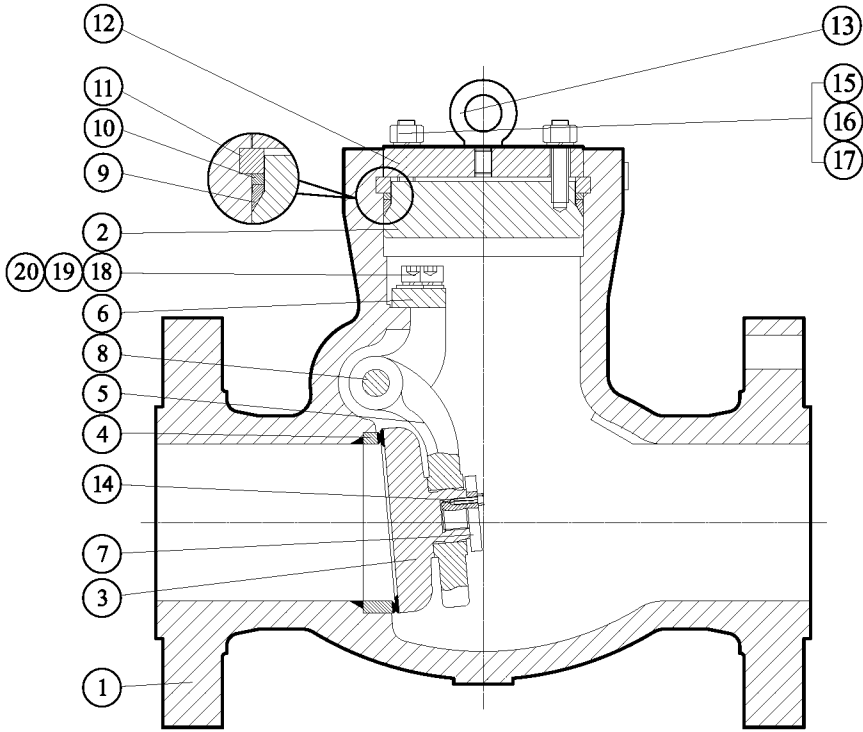
For sizes out of above range, please consult DHV for details.



Pressure Seal Check Valve

Material List

Trim Material		
DHV Trim Code	Disc Surface Part No.3	Seat Ring Surface Part No.4
1	13CR	13CR
2	HF	HF
3	13CR	HF
4	Monel	Monel
5	316	316
6	316	HF
7	304	304
8	304	HF
9	INCONEL	INCONEL
A	HF	HF
B	DSS	DSS



Standard Material Specifications

Part Name		Carbon Steel to ASTM			Alloy Steel to ASTM			Stainless Steel to ASTM		
1	Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
2	Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
3	Disc	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
4	Seat Ring	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
5	Swing Arm	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
6	Hinge	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
7	Disc Screw	Steel								
8	Hinge Pin	Steel								
9	Seal Ring	316SS/Soft Steel Silver Plated								
10	Thrust Ring	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
11	Retainer	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
12	Flange	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
13	Screw	Steel								
14	Blot	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
15	Blot	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
16	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
17	Spring Washer	Steel								
18	Blot	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
19	Spring Washer	Steel								
20	Washer	Steel								



Pressure Seal Check Valve

Feature & Dimension

Features

- Pressure seal bonnet
- Swing Type Disc
- Bonnet Seal achieved by fluid pressure
- Body seat ring in all sizes is seal-welded
- Flanged Ends or Buttwelding Ends

Specifications

Basic Design: **ASME B16.34**

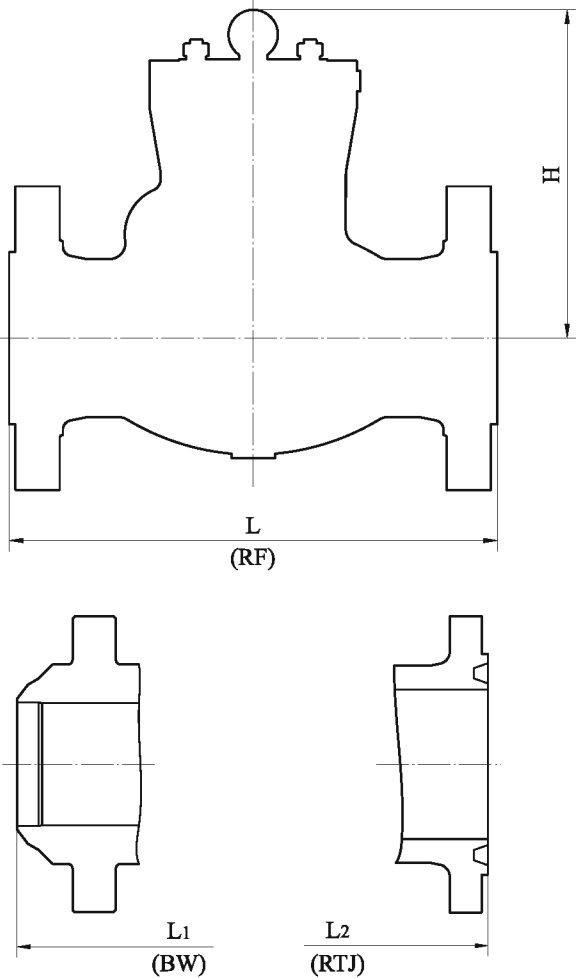
Face to Face: **ASME B16.10**

End Flange: **ASME B16.5**

B.W End: **ASME B16.25**

Test and Inspection: **API 598**

Manufacturing to NACE MR0103 on request



600LB

Description		Valve Size														
		2	3	4	6	8	10	12	14	16	18	20	24	26	28	30
Flanged End L	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	57.00	63.00	65.00
	mm	292	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1600	1651
Weld End L1	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	57.00	63.00	65.00
	mm	292	356	432	559	660.00	787	838	889	991	1092	1194	1397	1448	1600	1651
RTJ L2	in	11.62	14.12	17.12	22.12	26.12	31.12	33.12	35.12	39.12	43.12	47.25	55.38	57.50	63.50	65.5
	mm	295	359	435	562	663	790	841	892	994	1095	1200	1407	1461	1613	1664
Height H	in	9.75	10.92	12.86	16.22	23.74	24.51	28.11	29.65	30.51	30.51	33.12	38.38	40.44	44.44	48.53
	mm	248	277	327	412	603	622	714	753	775	775	841	975	1027	1129	1233
Weight	RF Kg	28	46	87	195	360	514	688	904	1181	1520	1931	2671	3184	3595	4109
	BW Kg	18	33	56	134	267	380	503	678	873	1130	1531	2095	2568	2876	3236

For sizes out of above range, please consult DHV for details.



Pressure Seal Check Valve

Dimension

900LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	18	20	24
Flanged End L	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00
	mm	368	381	457	610	737	838	965	1029	1130	1219	1321	1549
Weld End L1	in	8.50	12.00	14.00	20.00	26.00	31.00	36.00	39.00	43.00	48.00	52.00	61.00
	mm	216	305	356	508	660	787	914	991	1092	1219	1321	1549
RTJ L2	in	14.62	15.12	18.12	24.12	29.12	33.12	38.12	40.87	44.87	48.50	52.50	61.75
	mm	371	384	460	613	740	841	968	1038	1140	1232	1333	1568
Height H	in	9.75	10.92	12.86	16.22	23.74	24.51	28.11	29.65	30.51	34.42	34.94	38.78
	mm	248	277	327	412	603	622	714	753	775	874	888	985
Weight	RF Kg	43	60	113	249	615	917	1402	1672	1780	2363	3082	4212
	BW Kg	22	35	70	173	475	745	1100	1316	1457	1900	2465	2979

1500LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	18	20	24
Flanged End L	in	14.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54.50	60.50	65.50	76.50
	mm	368	470	546	705	832	991	1130	1257	1384	1537	1664	1943
Weld End L1	in	8.50	12.00	16.00	22.00	28.00	34.00	39.00	42.00	47.00	60.50	65.50	76.50
	mm	216	305	406	559	711	864	991	1067	1194	1537	1664	1943
RTJ L2	in	14.62	18.62	21.62	28.00	33.13	39.38	45.12	50.25	55.38	61.38	66.38	77.63
	mm	371	473	549	711	842	1000	1146	1276	1407	1559	1686	1972
Height H	in	9.75	10.91	12.86	17.07	19.37	23.90	26.08	28.75	30.29	35.59	38.38	44.44
	mm	248	277	327	433	492	607	663	730	769	904	975	1129
Weight	RF Kg	43	108	151	370	658	1133	1672	2265	2804	3390	4314	6163
	BW Kg	22	43	76	239	518	798	1186	1521	1726	2157	2671	3595

2500LB

Description		Valve Size						
		2	3	4	6	8	10	12
Flanged End L	in	17.75	22.75	26.50	36.00	40.25	50.00	56.00
	mm	451	578	673	914	1022	1270	1422
Weld End L1	in	11.00	14.50	18.00	24.00	30.00	36.00	41.00
	mm	279	368	457	610	762	914	1041
RTJ L2	in	17.88	23	26.88	36.50	40.88	50.88	56.88
	mm	454	584	683	927	1038	1292	1445
Height H	in	9.91	10.92	12.86	18.24	22.61	23.29	26.53
	mm	252	277	327	463	574	592	674
Weight	RF Kg	91	167	307	604	1100	1722	2847
	BW Kg	54	91	146	293	614	804	1553

For sizes out of above range, please consult DHV for details.



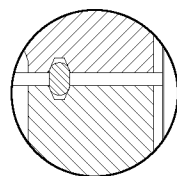
API 6D Slab Gate Valve

Material List

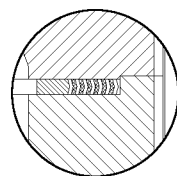
Features

- Through-conduit design with minimum flow resistance
- Double-sealing replaceable seat
- Locking device
- Backseated Stem
- Body thermal relief system upon request
- Stem extension upon request
- Double-block-and-bleed

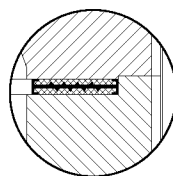
Flange Gasket



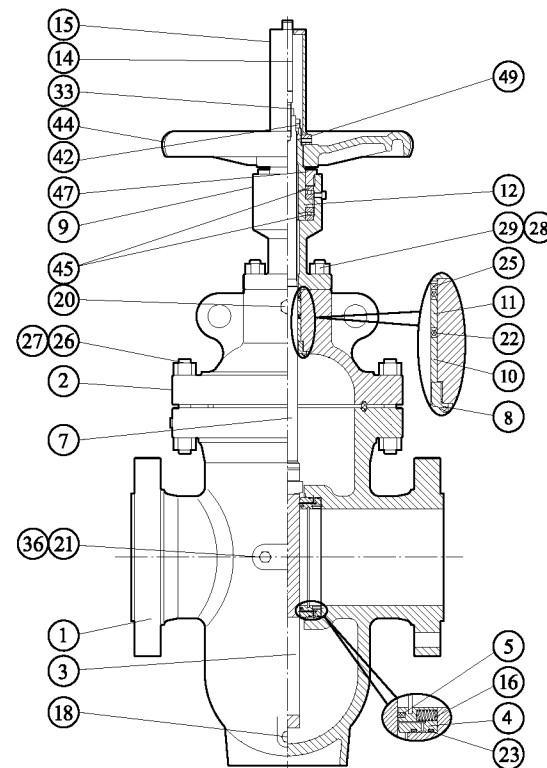
Ring Type Joint
≥ 600lb



Spiral Wound Gasket
300lb



Metal Backup
Graphite Gasket
150lb



Standard Material Specifications

Part Name		Carbon Steel to ASTM			Alloy Steel to ASTM			Stainless Steel to ASTM		
1	Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
2	Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
3	Gate	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
4	Seat	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
5	Seat Insert	RPTFE / PTFE / Nylon M / Devlon / Viton / Peek or Metal to Metal								
7	Stem	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
8	Backseat	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
9	Yoke	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
10	Packing Plate	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
11	Lantern Ring	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
12	Stem Nut	A439 D2						B150 C61900		
14	Indicator	Steel								
15	Dustproof Cover	Steel								
16	Spring	Steel								
18	Drain Fitting	316SS	316SS	316SS	316SS	316SS	316SS	316SS	316SS	A182 F51
20	Stem Sealant Injection	Assembly								
21	Seat Sealant Injection	Assembly								
22	Packing	Non-metal								
23	O-Ring	Viton								
25	Graphite Packing	Flexible Graphite								
26	Stud	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
27	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
28	Stud	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
29	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
33	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
36	Injection Check Valve	Assembly								
42	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
44	Handwheel	Ductile Iron								
45	Bearing	Steel								
47	Gland	Steel								
49	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa

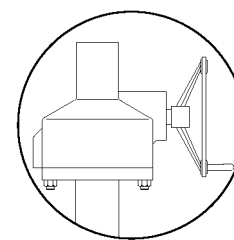


API 6D Slab Gate Valve

Feature & Dimension

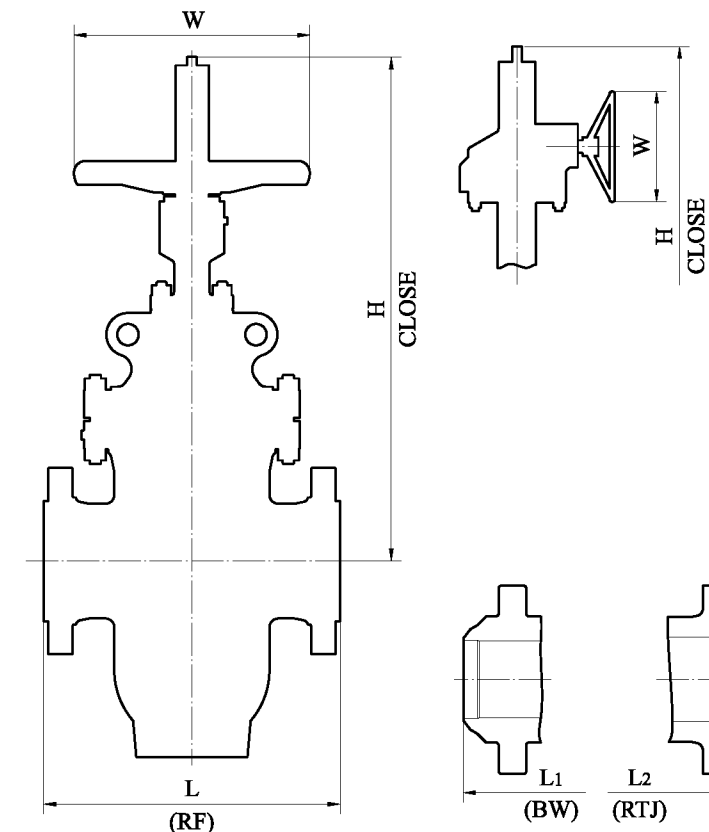
Specifications

Basic Design: **API 6D**
Face to Face: **API 6D**
End Flange:
2"-24" **ASME B16.5**
26"-40" **ASME B16.47**
B.W End: **ASME B16.25**
Test and Inspection: **API 6D & API 598**
Manufacturing to NACE MR0175 on request



Bevel Gear

150LB	≥ 20"
300LB	≥ 16"
600LB	≥ 12"
900LB	≥ 10"
1500LB	≥ 8"
2500LB	≥ 4"



150LB

Description		Valve Size															
		2	3	4	6	8	10	12	14	16	18	20	24	28	30	32	36
Flanged End L	in	7.00	8.00	9.00	10.50	11.50	13.00	14.00	15.00	16.00	17.00	18.00	20.00	24.00	26.00	28.00	32.00
	mm	178	203	229	267	292	330	356	381	406	432	457	508	610	660	711	813
Weld End L1	in	8.50	11.10	12.00	15.90	16.50	18.00	19.80	23.00	24.00	26.00	28.00	32.00	36.00	36.00	38.00	40.00
	mm	216	283	305	403	419	457	502	572	610	660	711	813	914	914	965	1016
Height H	in	19.21	27.48	27.99	38.15	45.35	55.28	62.60	69.88	77.56	82.87	93.31	107.80	120.59	131.57	135.51	148.82
	mm	488	698	711	969	1152	1404	1590	1775	1970	2105	2370	2738	3063	3342	3442	3780
Handwheel Dia W	in	5.90	7.90	9.80	9.80	9.80	13.80	15.80	17.70	18.10	18.10	18.10	18.10	18.10	24.00	24.00	24.00
	mm	150	200	250	250	250	350	400	450	460	460	460	460	460	610	610	610
Weight	RF Kg	35	58	78	90	246	341	430	570	712	845	1080	1740	2520	2820	3400	5105
	BW Kg	31	49	70	80	227	293	387	535	708	822	1044	1706	2458	2640	2932	5035

300LB

Description		Valve Size															
		2	3	4	6	8	10	12	14	16	18	20	24	28	30	32	36
Flanged End L	in	8.50	11.10	12.00	15.90	16.50	18.00	19.80	30.00	33.00	36.00	39.00	45.00	53.00	55.00	60.00	68.00
	mm	216	283	305	403	419	457	502	762	838	914	991	1143	1346	1397	1524	1727
Weld End L1	in	8.50	11.10	12.00	15.90	16.50	18.00	19.80	30.00	33.00	36.00	39.00	45.00	53.00	55.00	60.00	68.00
	mm	216	283	305	403	419	457	502	762	838	914	991	1143	1346	1397	1524	1727
Height H	in	19.49	27.76	28.62	38.78	45.67	55.91	63.23	70.67	77.95	83.70	93.70	109.88	122.05	132.87	136.85	150.39
	mm	495	705	727	985	1160	1420	1606	1795	1980	2126	2380	2791	3100	3375	3476	3820
Handwheel Dia W	in	7.90	9.80	11.80	13.80	15.80	17.70	19.70	19.70	18.10	18.10	18.10	24.00	24.00	24.00	24.00	27.60
	mm	200	250	300	350	400	450	500	500	460	460	460	610	610	610	610	700
Weight	RF Kg	56	90	104	260	375	525	720	990	1350	2110	2520	4050	5246	6110	6666	8345
	BW Kg	47	90	103	226	304	519	628	872	1205	2023	2298	3695	4659	5570	5938	6485

For sizes out of above range, please consult DHV for details.



API 6D Slab Gate Valve

Dimension

600LB

Description		Valve Size															
		2	3	4	6	8	10	12	14	16	18	20	24	28	30	32	36
Flanged End L	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	61.00	65.00	70.00	82.00
	mm	292	356	432	559	660	787	838	889	991	1092	1194	1397	1549	1651	1778	2083
Weld End L1	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	61.00	65.00	70.00	82.00
	mm	292	356	432	559	660	787	838	889	991	1092	1194	1397	1549	1651	1778	2083
RTJ L2	in	11.62	14.12	17.12	22.12	26.14	31.14	33.12	35.12	39.12	43.12	47.24	55.40	61.50	65.50	70.63	82.64
	mm	295	359	435	562	664	791	841	892	994	1095	1200	1407	1562	1664	1794	2099
Height H	in	20.47	29.13	30.51	40.79	47.64	58.86	67.01	74.21	80.31	87.99	97.17	115.35	128.15	139.57	143.70	158.07
	mm	520	740	775	1036	1210	1495	1702	1885	2040	2235	2468	2930	3255	3545	3650	4015
Handwheel Dia W	in	9.80	11.80	13.80	17.70	19.70	25.60	18.10	24.00	24.00	24.00	24.00	27.60	27.60	27.60	27.60	27.60
	mm	250	300	350	450	500	650	460	610	610	610	610	700	700	700	700	700
Weight	RF Kg	72	127	152	315	652	875	1080	1605	2150	2557	4000	4736	5965	7825	9265	14620
	BW Kg	61	114	116	246	587	813	990	1334	1965	2257	3680	4133	5040	6590	8195	12840

900LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	18	20	24
Flanged End L	in	14.50	15.00	18.00	24.02	29.02	33.00	38.00	40.51	44.48	48.00	52.00	60.98
	mm	368	381	457	610	737	838	965	1029	1130	1219	1321	1549
Weld End L1	in	14.50	15.00	18.00	24.02	29.02	33.00	38.00	40.51	44.48	48.00	52.00	60.98
	mm	368	381	457	610	737	838	965	1029	1130	1219	1321	1549
RTJ L2	in	14.60	15.12	18.12	24.14	29.14	33.12	38.12	40.86	44.88	48.50	52.52	61.73
	mm	371	384	460	613	740	841	968	1038	1140	1232	1334	1568
Height H	in	21.26	30.31	31.73	42.40	49.61	61.22	69.53	77.17	83.66	91.54	101.18	120.08
	mm	540	770	806	1077	1260	1555	1766	1960	2125	2325	2570	3050
Handwheel Dia W	in	9.80	11.80	15.80	19.70	23.60	24.00	24.00	24.00	27.60	27.60	27.60	27.60
	mm	250	300	400	500	600	610	610	610	700	700	700	700
Weight	RF Kg	80	170	286	540	960	1210	1870	2500	2900	3420	4500	7500
	BW Kg	65	139	224	463	818	920	1738	2260	2615	2850	3690	7400

1500LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	18	20	24
Flanged End L	in	14.50	18.50	21.50	27.80	32.80	39.00	44.50	49.50	54.50	60.50	65.50	76.50
	mm	368	470	546	705	832	991	1130	1257	1384	1537	1664	1943
Weld End L1	in	14.50	18.50	21.50	27.80	32.80	39.00	44.50	49.50	54.50	60.50	65.50	76.50
	mm	368	470	546	705	832	991	1130	1257	1384	1537	1664	1943
RTJ L2	in	14.61	18.62	21.61	27.99	33.11	39.37	45.12	50.24	55.39	61.38	66.38	77.64
	mm	371	473	549	711	841	1000	1146	1276	1407	1559	1686	1972
Height H	in	22.05	31.50	32.99	44.09	51.57	63.66	72.32	80.24	87.01	95.20	105.20	124.88
	mm	560	800	838	1120	1310	1617	1837	2038	2210	2418	2672	3172
Handwheel Dia W	in	15.80	19.70	23.60	31.50	24.00	27.60	27.60	27.60	27.60	39.40	39.40	39.40
	mm	400	500	600	800	610	700	700	700	700	1000	1000	1000
Weight	RF Kg	100	265	380	880	1310	2100	3325	4380	5500	6550	8500	13800
	BW Kg	80	229	329	728	1031	1830	3255	3480	4600	5550	7470	13400

2500LB

Description		Valve Size						
		2	3	4	6	8	10	12
Flanged End L	in	17.80	22.80	26.50	36.00	40.20	50.00	56.00
	mm	451	578	673	914	1022	1270	1422
Weld End L1	in	17.80	22.80	26.50	36.00	40.20	50.00	56.00
	mm	451	578	673	914	1022	1270	1422
RTJ L2	in	17.87	22.99	26.89	36.50	40.87	50.87	56.89
	mm	454	584	683	927	1038	1292	1445
Height H	in	22.68	32.44	33.86	45.28	53.15	65.55	74.49
	mm	576	824	860	1150	1350	1665	1892
Handwheel Dia W	in	15.80	19.70	24.00	24.00	24.00	24.00	27.60
	mm	400	500	610	610	610	610	700
Weight	RF Kg	146	370	545	1215	2145	3900	5660
	BW Kg	111	300	430	925	1705	3130	4760

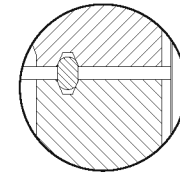
For sizes out of above range, please consult DHV for details.



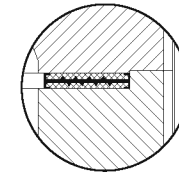
API 6D Expanding Gate Valve

Material List

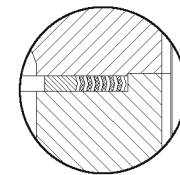
Flange Gasket



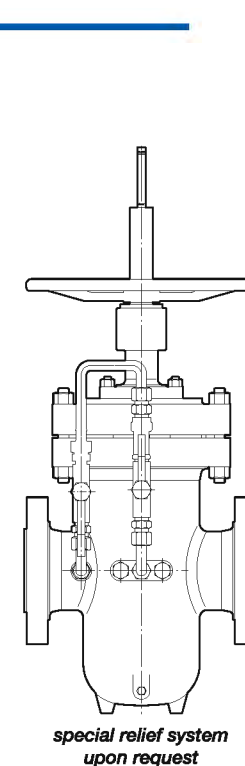
Ring Type Joint
≥ 600lb



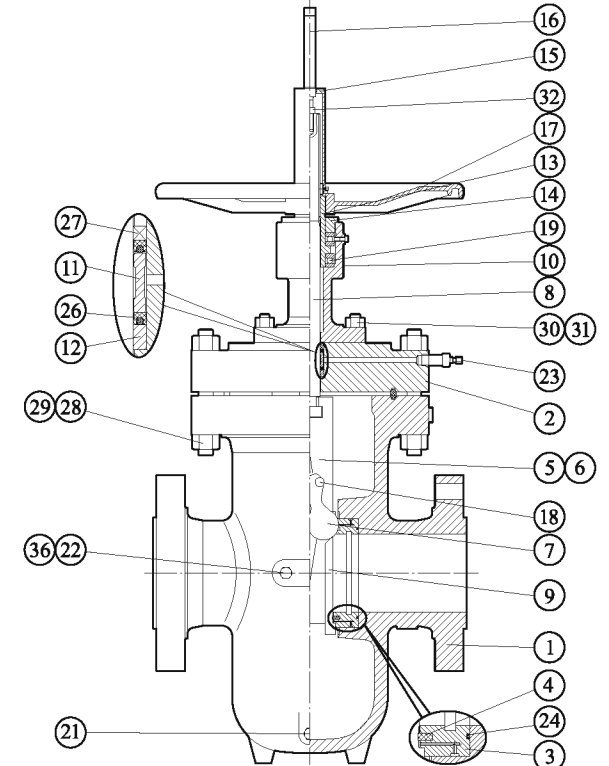
Metal Backup
Graphite Gasket
150lb



Spiral Wound Gasket
300lb



special relief system
upon request



Standard Material Specifications

Part Name		Carbon Steel to ASTM			Alloy Steel to ASTM			Stainless Steel to ASTM		
1	Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
2	Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
3	Seat	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
4	Seat Insert	RPTFE / PTFE / Nylon M / Devlon / Viton / Peek or Metal to Metal								
5	Gate	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
6	Segment	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
7	Lever	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
8	Stem	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
9	Skirt	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
10	Yoke	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
11	Lantern Ring	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
12	Packing Plate	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
13	Stem Nut	A439 D2								
14	Washer				Steel					
15	Dustproof Cover				Steel					
16	Indicator				Steel					
17	Handwheel				Ductile Iron					
18	Rivet				Steel					
19	Bearing				Steel					
21	Drain Fitting	316SS	316SS	316SS	316SS	316SS	316SS	316SS	316SS	A182 F51
22	Seat Sealant Injection	Assembly								
23	Stem Sealant Injection	Assembly								
24	O-ring	Viton								
26	Packing	Non-metal								
27	Graphite Packing	Flexible Graphite								
28	Stud	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
29	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
30	Stud	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
31	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
32	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa



API 6D Expanding Gate Valve

Feature & Dimension

Features

- Through-conduit design with minimum flow resistance
- Double-sealing replaceable seat
- Locking device
- Body thermal relief system
- Stem extension upon request

Specifications

Basic Design: **API 6D**

Face to Face: **API 6D**

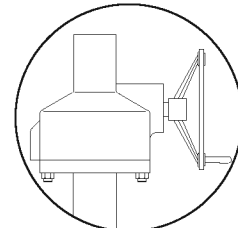
End Flange:

2"-24" **ASME B16.5**

B.W End: **ASME B16.25**

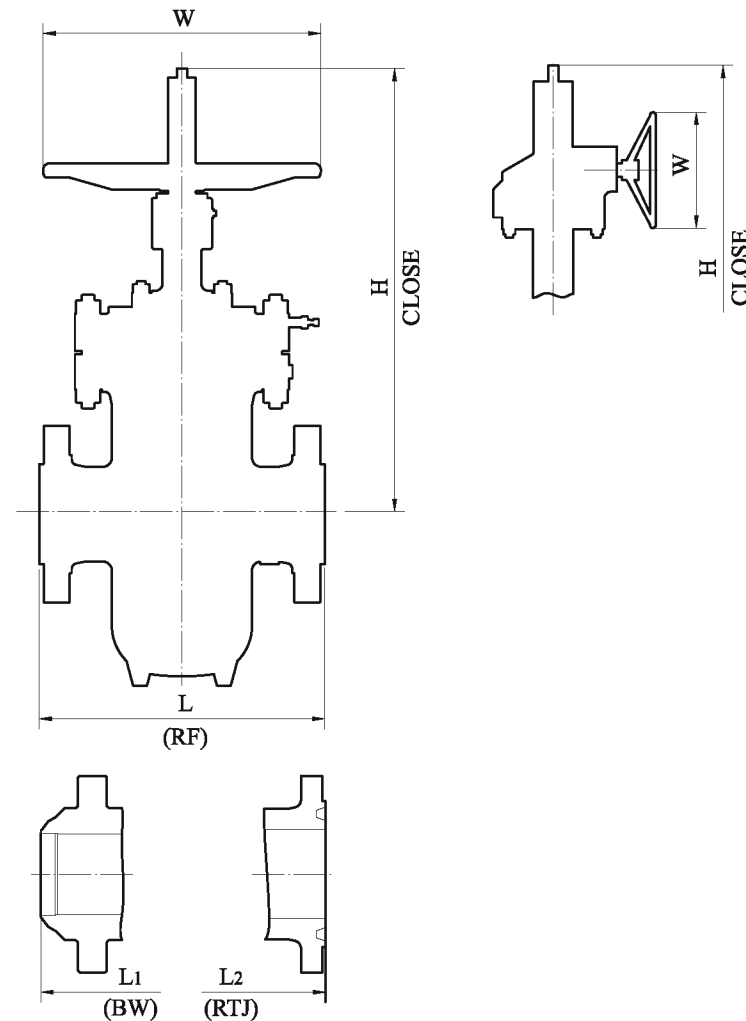
Test and Inspection: **API 6D & API 598**

Manufacturing to NACE MR0175 on request



Bevel Gear

300LB	≥ 14"
600LB	≥ 14"
900LB	≥ 12"
1500LB	≥ 6"



150LB						300LB												
Description		Valve Size					Valve Size											
		20	24	30	32	36	6	8	10	12	14	16	18	20	24	30	32	36
Flanged End L	in	18.00	20.00	26.00	28.00	32.00	15.90	16.50	18.00	19.80	30.00	33.00	36.00	39.00	48.50	55.00	60.00	68.00
	mm	457	508	660	711	813	403	419	457	502	762	838	914	991	1143	1397	1524	1727
Weld End L ₁	in	28.00	32.00	36.00	38.00	40.00	15.90	16.50	18.00	19.80	30.00	33.00	36.00	39.00	48.50	55.00	60.00	68.00
	mm	711	813	914	965	1016	403	419	457	502	762	838	914	991	1143	1397	1524	1727
Height H	in	99.02	114.57	138.98	145.08	160.63	36.64	46.37	52.55	59.44	71.26	82.68	87.01	99.02	114.57	138.98	145.08	160.63
	mm	2515	2910	3530	3685	4080	931	1178	1335	1510	1810	2100	2210	2515	2910	3530	3685	4080
Handwheel Dia W	in	18.11	24.02	24.02	24.02	24.02	15.75	23.62	23.62	29.53	18.11	18.11	18.11	18.11	24.02	24.02	24.02	24.02
	mm	460	610	610	610	610	400	600	600	750	460	460	460	460	610	610	610	610
Weight	RF Kg	1500	3780	4700	5780	8680	277	418	549	804	1075	1409	2278	2551	4359	7332	8000	10014
	BW Kg	1464	3740	4520	5300	8500	243	347	490	751	911	1231	2191	2360	3899	6792	7270	8154

For sizes out of above range, please consult DHV for details.



API 6D Expanding Gate Valve

Dimension

600LB

Description		Valve Size														
		2	3	4	6	8	10	12	14	16	18	20	24	30	32	36
Flanged End L	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	65.00	70.00	82.00
	mm	292	356	432	559	660	787	838	889	991	1092	1194	1397	1651	1778	2083
Weld End L ₁	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	65.00	70.00	82.00
	mm	292	356	432	559	660	787	838	889	991	1092	1194	1397	1651	1778	2083
RTJ L ₂	in	11.62	14.12	17.12	22.12	26.14	31.14	33.12	35.12	39.12	43.12	47.24	55.40	65.50	70.62	82.63
	mm	295	359	435	562	664	791	841	892	994	1095	1200	1407	1664	1794	2099
Height H	in	14.38	19.33	21.88	36.64	46.37	52.55	59.44	71.26	82.68	87.01	99.02	114.57	138.98	145.08	160.63
	mm	365	491	556	931	1178	1335	1510	1810	2100	2210	2515	2910	3530	3685	4080
Handwheel Dia W	in	11.81	11.81	13.78	15.75	23.62	23.62	29.53	24.02	24.02	24.02	24.02	24.02	27.56	27.56	27.56
	mm	300	300	350	400	600	600	750	610	610	610	610	610	700	700	700
Weight	RF Kg	75	132	160	323	671	921	1100	1654	2286	2684	4101	5305	9728	11200	14910
	BW Kg	64	119	124	254	606	859	1010	1383	2100	2384	3781	4646	8658	10500	13132

900LB

Description			Valve Size											
			2	3	4	6	8	10	12	14	16	18	20	24
Flanged End L	in		14.50	15.00	18.00	24.02	29.02	33.00	38.00	40.50	44.48	48.00	52.00	61.00
	mm		368	381	457	610	737	838	965	1029	1130	1219	1321	1549
Weld End L1	in		14.50	15.00	18.00	24.02	29.02	33.00	38.00	40.50	44.48	48.00	52.00	61.00
	mm		368	381	457	610	737	838	965	1029	1130	1219	1321	1549
RTJ L2	in		14.60	15.12	18.12	24.14	29.14	33.12	38.12	40.86	44.88	48.5	52.52	61.73
	mm		371	384	460	613	740	841	968	1038	1140	1232	1334	1568
Height H	in		15.98	21.47	25.65	40.20	51.52	58.39	66.37	78.39	90.94	95.71	108.92	126.02
	mm		406	545	652	1021	1309	1483	1686	1991	2310	2431	2767	3201
Handwheel Dia W	in		11.81	11.81	15.75	17.72	23.62	29.53	24.02	24.02	27.56	27.56	27.56	27.56
	mm		300	300	400	450	600	750	610	610	700	700	700	700
Weight	RF	Kg	83	178	311	583	1002	1319	1970	2623	2999	4823	6360	8356
	BW	Kg	68	149	259	506	860	1029	1838	2383	2627	4174	5823	7577

1500LB

Description		Valve Size					
		2	3	4	6	8	10
Flanged End L	in	14.50	18.50	21.50	27.75	32.75	39.00
	mm	368	470	546	705	832	991
Weld End L ₁	in	14.50	18.50	21.50	27.75	32.75	39.00
	mm	368	470	546	705	832	991
RTJ L ₂	in	14.60	18.62	21.62	28.00	33.11	39.37
	mm	371	473	549	711	841	1000
Height H	in	15.98	21.47	25.65	54.89	59.85	71.11
	mm	406	545	652	1394	1520	1806
Handwheel Dia W	in	11.81	11.81	17.72	24.02	24.02	27.56
	mm	300	300	450	610	610	700
Weight	RF Kg	105	270	416	909	1331	2275
	BW Kg	85	234	365	757	1249	2005

For sizes out of above range, please consult DHV for details.

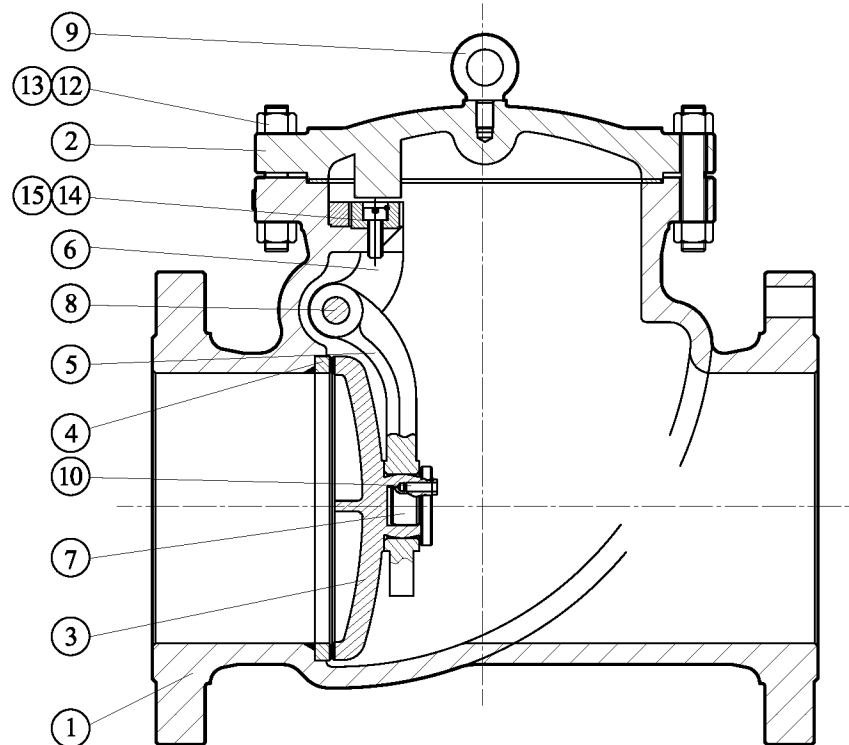


API 6D Swing Check Valve

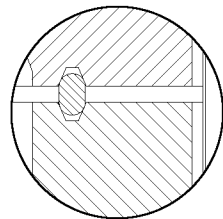
Material List

Trim Material

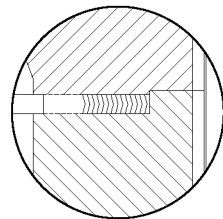
DHV Trim Code	Disc Surface Part No.3	Seat Ring Surface Part No.4
1	13CR	13CR
2	HF	HF
3	13CR	HF
4	Monel	Monel
5	316	316
6	316	HF
7	304	304
8	304	HF
9	INCONEL	INCONEL
A	HF	HF
B	DSS	DSS



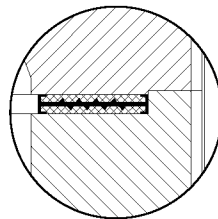
Flange Gasket



Ring Type Joint
≥ 600lb



Spiral Wound Gasket
300lb



Metal Backup
Graphite Gasket
150lb

Standard Material Specifications

Part Name		Carbon Steel to ASTM			Alloy Steel to ASTM			Stainless Steel to ASTM		
1	Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
2	Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
3	Disc	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
4	Seat Ring	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
5	Swing Arm	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
6	Hinge	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
7	Disc Screw	Stainless Steel								
8	Hinge Pin	Stainless Steel								
9	Screw	Stainless Steel								
10	Stud	Stainless Steel								
12	Bonnet Bolt	A193 B7	A320 L7	Ductile Iron	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
13	Bonnet Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
14	Stud	Stainless Steel								
15	Stop Plate	Stainless Steel								



API 6D Swing Check Valve

Feature & Dimension

Features

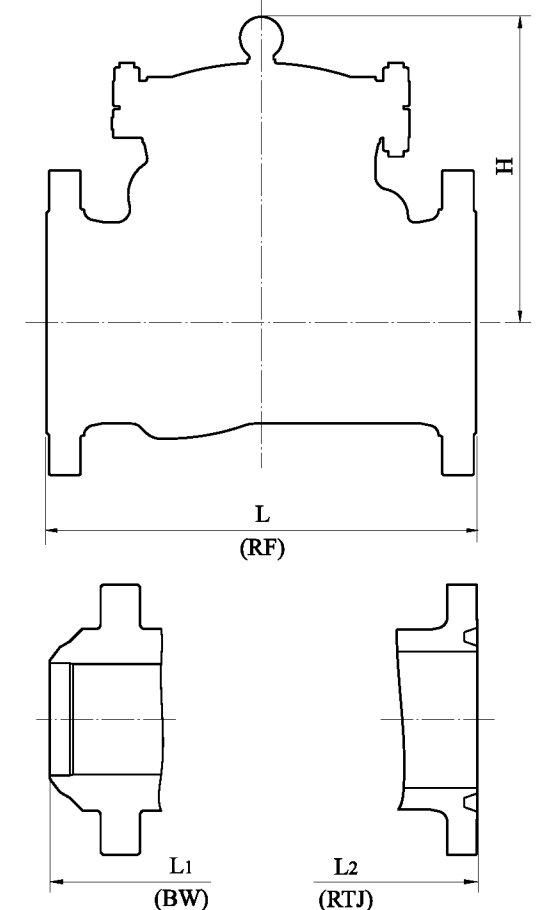
- Bolted Bonnet
- Swing Type Disc
- Renewable Seat Rings Welded or Threaded
- Flanged Ends or Buttwelding Ends
- API 6D Bore, Piggable
- Metal Seat & Soft Seat Seal

Specifications

Basic Design: **API 6D**
Face to Face: **API 6D**
End Flange:
2"-24" **ASME B16.5**
26"-30" **ASME B16.47**
B.W End: **ASME B16.25**

Test and Inspection: **API 6D**

Manufacturing to NACE MR0175 on request



150LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	20	24	30
Flanged End L	in	8.00	9.50	11.50	14.00	19.50	24.50	27.50	31.00	34.00	38.50	51.00	60.00
	mm	203	241	292	356	495	622	699	787	864	978	1295	1524
Weld End L1	in	8.00	9.50	11.50	14.00	19.50	24.50	27.50	31.00	34.00	38.50	51.00	60.00
	mm	203	241	292	356	495	622	699	787	864	978	1295	1524
Height H	in	7.56	8.86	10.24	11.65	15.51	17.52	19.57	21.69	24.57	29.21	35.47	41.65
	mm	192	225	260	296	394	445	497	551	624	742	901	1058
Weight	RF Kg	17	27	49	79	146	224	326	406	620	922	1024	2192
	BW Kg	12	17	35	55	108	186	267	313	540	816	874	1910

300LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	20	24	30
Flanged End L	in	10.50	12.50	14.00	17.50	21.00	24.50	28.00	33.00	34.00	40.00	53.00	62.80
	mm	267	318	356	445	533	622	711	838	864	1016	1346	1594
Weld End L1	in	10.50	12.50	14.00	17.50	21.00	24.50	28.00	33.00	34.00	40.00	53.00	62.80
	mm	267	318	356	445	533	622	711	838	864	1016	1346	1594
Height H	in	8.19	9.41	10.20	12.91	15.59	18.27	21.14	22.56	24.76	30.16	34.13	51.50
	mm	208	239	259	328	396	464	537	573	629	766	867	1308
Weight	RF Kg	26	59	67	125	203	342	479	599	885	1388	1880	3996
	BW Kg	22	49	54	107	165	261	441	453	808	1013	1821	2865

For sizes out of above range, please consult DHV for details.



API 6D Swing Check Valve

Dimension

600LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	20	24	30
Flanged End L	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	47.00	55.00	65.00
	mm	292	356	432	559	660	787	838	889	991	1194	1397	1651
Weld End L1	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	47.00	55.00	65.00
	mm	292	356	432	559	660	787	838	889	991	1194	1397	1651
RTJ L2	in	11.61	14.13	17.13	22.13	26.14	31.14	33.11	35.12	39.13	47.24	55.39	65.51
	mm	295	359	435	562	664	791	841	892	994	1200	1407	1664
Height H	in	9.02	11.30	12.83	16.69	19.45	21.34	24.25	26.42	28.78	34.57	43.90	52.56
	mm	229	287	326	424	494	542	616	671	731	878	1115	1335
Weight	RF Kg	33	69	109	242	380	560	790	865	1418	2209	3111	5550
	BW Kg	29	58	77	173	288	370	651	674	1000	1749	2510	4740

900LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	20	24	
Flanged End L	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.40	52.00	61.00	
	mm	368	381	457	610	737	838	965	1029	1130	1321	1549	
Weld End L1	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.40	52.00	61.00	
	mm	368	381	457	610	737	838	965	1029	1130	1321	1549	
RTJ L2	in	14.61	15.12	18.11	24.13	29.13	33.11	38.11	40.87	44.88	52.52	61.73	
	mm	371	384	460	613	740	841	968	1038	1140	1334	1568	
Height H	in	12.40	12.99	15.00	18.27	23.11	25.35	27.68	31.18	33.78	37.01	37.40	
	mm	315	330	381	464	587	644	703	792	858	940	950	
Weight	RF Kg	77	121	171	319	577	853	1122	1398	1945	4077	5290	
	BW Kg	55	85	130	236	442	657	881	1154	1651	3620	4730	

1500LB

Description		Valve Size											
		2	3	4	6	8	10	12	14	16	20	24	
Flanged End L	in	14.50	18.50	21.50	27.80	32.80	39.00	44.50	49.50	54.50	65.50	76.50	
	mm	368	470	546	705	832	991	1130	1257	1384	1664	1943	
Weld End L1	in	14.50	18.50	21.50	27.80	32.80	39.00	44.50	49.50	54.50	65.50	76.50	
	mm	368	470	546	705	832	991	1130	1257	1384	1664	1943	
RTJ L2	in	14.61	18.62	21.61	27.99	33.11	39.37	45.12	50.24	55.39	66.38	77.64	
	mm	371	473	549	711	841	1000	1146	1276	1407	1686	1972	
Height H	in	12.40	14.96	16.85	22.09	26.77	31.10	34.65	38.90	41.73	52.56	62.99	
	mm	315	380	428	561	680	790	880	988	1060	1335	1600	
Weight	RF Kg	77	170	242	605	1014	1428	2332	3182	4676	8320	10200	
	BW Kg	55	132	182	497	728	918	1782	2382	3637	7800	8733	

2500LB

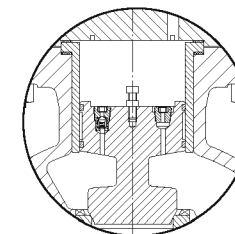
Description		Valve Size							
		2	3	4	6	8	10	12	
Flanged End L	in	17.80	22.80	26.50	36.00	40.20	50.00	56.00	
	mm	451	578	673	914	1022	1270	1422	
Weld End L1	in	17.80	22.80	26.50	36.00	40.20	50.00	56.00	
	mm	451	578	673	914	1022	1270	1422	
RTJ L2	in	17.87	22.99	26.89	36.50	40.87	50.87	56.89	
	mm	454	584	683	927	1038	1292	1445	
Height H	in	15.00	16.69	22.17	26.65	30.79	36.81	43.31	
	mm	381	424	563	677	782	935	1100	
Weight	RF Kg	138	308	742	997	2662	4126	6056	
	BW Kg	99	231	616	842	2178	3278	4789	

For sizes out of above range, please consult DHV for details.

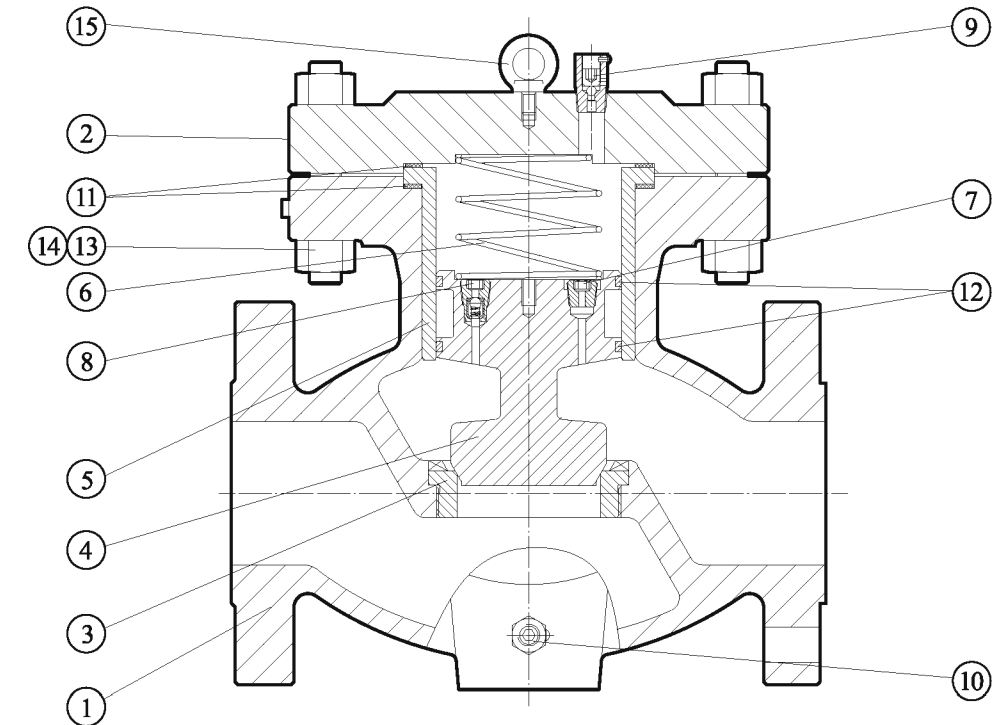


API 6D Piston Check Valve

Material List



≥4" No Spring



Standard Material Specifications

Trim Material			Part Name		Carbon Steel to ASTM
DHV	Seat	Piston	1	Body	A216 WCB
Trim	Surface	Surface	2	Bonnet	A105
Code	Part No.3	Part No.4	3	Seat	A105+Stellite
1	13CR	13CR	4	Piston	410SS+Stellite
2	HF	HF	5	Liner	Cast Iron+HCr
3	HF	13CR	6	Spring	Inconel
4	Monel	Monel	7	Orifice Plug	316SS
5	316	316	8	Ball Check Valve	Assembly
6	HF	316	9	Vent Fitting	Assembly
7	304	304	10	Drain Fitting	Assembly
8	HF	304	11	Gasket	316SS+Graphite
9	INCONEL	INCONEL	12	Cast Iron Ring	Cast Iron / Peek
A	HF	HF	13	Stud	A193 B7M
B	DSS	DSS	14	Nut	A194 2HM
			15	Hook Screw	Carbon Steel

Note: Part No 7 and 8 shall be removed for liquid service.



API 6D Piston Check Valve

Feature & Dimension

Features

- Bolted Bonnet
- Rising Type Disc
- Renewable Seat Rings Welded or Threaded
- Flanged Ends or Buttwelding Ends
- Metal Seat & Soft Seat Seal
- Quiet non-slam closure

Specifications

Basic Design: **API 6D ASME B16.34**

Face to Face: **DHV Standard**

End Flange:

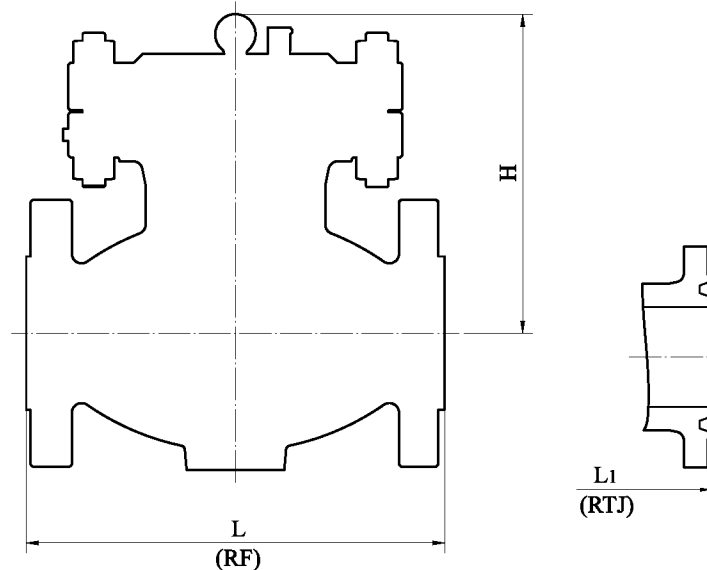
2"-24" **ASME B16.5**

26"-40" **ASME B16.47**

B.W End: **ASME B16.25**

Test and Inspection: **API 6D**

Manufacturing to NACE MR0175 on request



150LB										300LB										
Description		Valve Size								Valve Size										
		2	3	4	6	8	10	12	14	16	2	3	4	6	8	10	12	14	16	
Flanged End L	in	8.00	9.50	11.50	16.00	19.50	24.50	27.50	31.00	34.00	10.25	14.75	17.63	19.38	22.50	29.63	32.00	35.25	39.38	
	mm	203	241	292	356	495	622	699	787	864	260	375	448	492	571.5	753	813	895	1000	
Height H	in	8.46	10.79	12.99	16.73	18.98	23.15	23.43	28.15	31.10	8.46	10.79	12.99	16.93	19.17	23.31	23.62	28.35	31.30	
	mm	215	274	330	425	482	588	595	715	790	215	274	330	430	487	592	600	720	795	
Weight	RF	Kg	26	42	68	138	271	448	595	888	1100	33	65	104	173	313	542	693	1043	1294

600LB												900LB								
Description			Valve Size										Valve Size							
			2	3	4	6	8	10	12	14	16	20	2	3	4	6	8	10	12	
Flanged End L	in		11.00	14.75	18.50	20.75	24.00	30.88	33.63	37.00	41.25	55.50	13.63	14.88	19.38	21.88	24.88	31.38	33.88	
	mm		279	375	470	527	610	784	854	940	1048	1410	346	378	492	556	632	797	860	
RTJ L1	in		11.13	14.88	18.63	20.88	24.13	31.00	33.75	37.13	41.38	55.63	13.75	15.00	19.50	22.00	25.00	31.50	34.00	
	mm		282	378	473	530	613	787	857	943	1051	1413	349	381	495	559	635	800	864	
Height H	in		8.46	10.79	13.15	17.20	19.45	23.54	23.98	28.62	31.50	35.24	11.50	11.73	14.09	18.07	22.17	25.47	26.50	
	mm		215	274	334	437	494	598	609	727	800	895	292	298	358	459	563	647	673	
Weight	RF	Kg	37	75	125	237	349	711	1056	1210	1544	3591	64	112	160	376	612	929	1334	

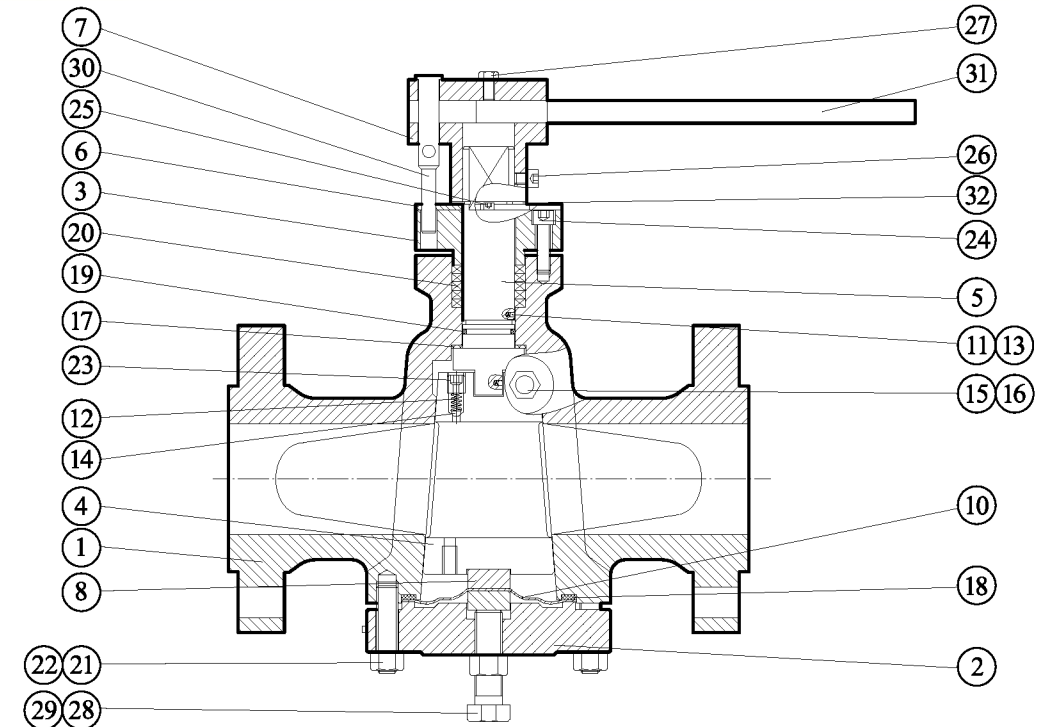
1500LB										2500LB							
Description		Valve Size								Valve Size							
		2	3	4	6	8	10	12		2	3	4	6	8	10	12	
Flanged End L	in	13.63	17.25	20.25	24.00	32.38	34.88	41.00		14.88	20.25	23.13	32.00	37.38	40.38	56.00	
	mm	346	438	514	610	822	886	1041		378	514	587	813	949	1026	1422	
RTJ L1	in	13.75	17.38	20.38	24.25	32.75	35.00	41.63		15.00	20.50	23.50	32.50	38.00	41.25	56.88	
	mm	349	441	518	616	832	889	1057		381	521	597	826	965	1048	1445	
Height H	in	9.44	11.73	13.52	19.38	22.06	26.20	27.41		10.88	12.50	15.00	18.94	23.25	23.25	31.19	
	mm	240	298	343	492	560	665	696		276	318	381	481	591	591	792	
Weight	RF Kg	67	137	222	435	849	1675	2360		77	197	330	846	1588	1987	6350	

For sizes out of above range, please consult DHV for details.



Plug Valve

Material List



Standard Material Specifications

Part Name		Carbon Steel to ASTM			Alloy Steel to ASTM			Stainless Steel to ASTM		
1	Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
2	Bonnet	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
3	Gland	A105	A350 LF2	A350 LF2	A182 F11	A182 F5A	A182 F9	A182 F304	A182 F316	A182 F51
4	Plug	A487 4A	A487 4A	A487 4A	A487 4A	A487 4A	A487 4A	A351 CF8	A351 CF8M	A890 4A
5	Stem	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
6	Stop Plate	Steel								
7	Handle Adapter	Steel								
8	Regulating Block	A276 420	A276 420	A276 420	A276 420	A276 420	A276 420	A182 F304	A182 F316	A182 F51
10	Diaphragm	Steel								
11	Spring	Steel								
12	Spring	Steel								
13	Steel Ball	Steel								
14	Steel Ball	Steel								
15	Injection Fitting	Assembly								
16	Check Valve	Assembly								
17	Thrust Washer	Metal Backed PTFE								
18	Gasket	316SS Spwrd Gasket								UNS S31803 Spwrd Gasket
19	O-Ring	Viton								
20	Graphite Packing	Flexible Graphite								
21	Stud	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
22	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
23	Lock Bolt	Steel								
24	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
25	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
26	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
27	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
28	Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8M	A193 B8MLCuN
29	Nut	A194 2H	A194 7	A194 7	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8MLCuNa
30	Lock Pin	Steel								
31	Hand Pipe	Steel								
32	Snap Ring	Steel								



Plug Valve

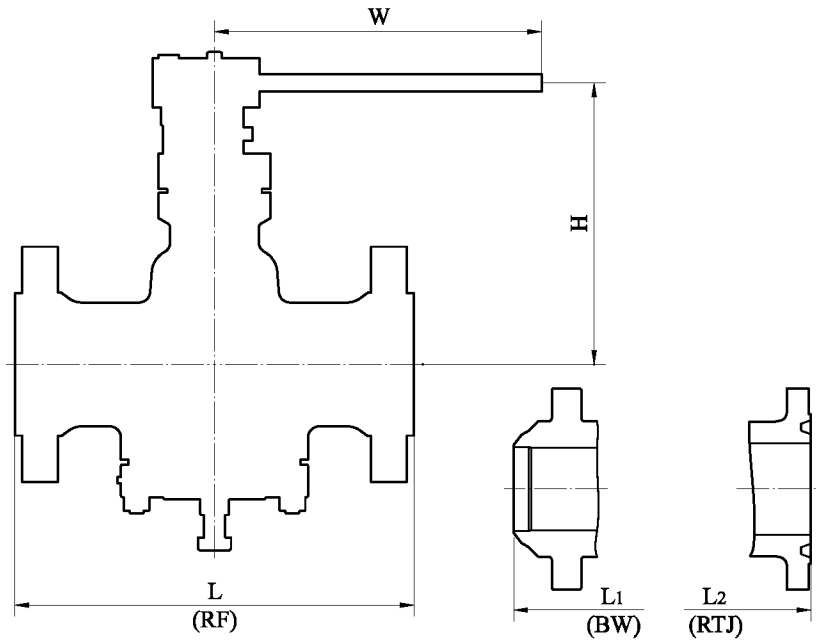
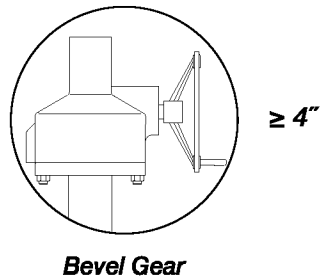
Feature & Dimension

Features

- Bolted Bonnet
- Flanged Ends or Buttwelding Ends
- Metal Seat
- Self Lubricated

Specifications

Basic Design: **API 6D API 599**
ASME B16.34
Face to Face: **API 6D ASME B16.10**
End Flange: **ASME B16.5**
B.W End: **ASME B16.25**
Test and Inspection: **API 6D API 598**
Manufacturing to NACE MR0175 on request



150LB								
Description		Valve Size						
		2	3	4	6	8	10	12
Flanged End L	in	7.00	8.00	9.00	10.50	11.50	13.00	14.00
	mm	178	203	229	267	292	330	356
Weld End L ₁	in	10.50	13.00	14.00	18.00	20.50	22.00	25.00
	mm	267	330	356	457	521	559	635
Height H	in	9.37	11.30	13.78	16.38	18.54	19.61	22.68
	mm	238	287	350	416	471	498	576
Handwheel Dia W	in	21.70	23.60	13.80	13.80	19.70	19.70	19.70
	mm	550	600	350	350	500	500	500
Weight	RF Kg	24	37	54	111	141	193	260

600LB								
Description		Valve Size						
		2	3	4	6	8	10	12
Flanged End L	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00
	mm	292	356	432	559	660	787	838
Weld End L ₁	in	11.50	14.00	17.00	22.00	26.00	31.00	33.00
	mm	292	356	432	559	660	787	838
RTJ End L	in	11.61	14.13	17.13	22.13	26.14	31.14	33.11
	mm	295	359	435	562	664	791	841
Height H	in	9.37	11.30	13.78	16.38	18.54	19.61	22.68
	mm	238	287	350	416	471	498	576
Handwheel Dia W	in	21.70	23.60	13.80	13.80	19.70	19.70	19.70
	mm	550	600	350	350	500	500	500
Weight	RF Kg	33	53	103	237	362	746	1040

For sizes out of above range, please consult DHV for details.

300LB								
Description		Valve Size						
		2	3	4	6	8	10	12
Flanged End L	in	8.50	11.12	12.00	15.88	16.50	18.00	19.75
	mm	216	283	305	403	419	457	502
Weld End L ₁	in	10.50	13.00	14.00	18.00	20.50	22.00	25.00
	mm	267	330	356	457	521	559	635
Height H	in	9.37	11.30	13.78	16.38	18.54	19.61	22.68
	mm	238	287	350	416	471	498	576
Handwheel Dia W	in	21.70	23.60	13.80	13.80	19.70	19.70	19.70
	mm	550	600	350	350	500	500	500
Weight	RF Kg	27	41	69	147	215	288	429

900LB								
Description		Valve Size						
		2	3	4	6	8	10	12
Flanged End L	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00
	mm	368	381	457	610	737	838	965
Weld End L ₁	in	14.50	15.00	18.00	24.00	29.00	33.00	38.00
	mm	368	381	457	610	737	838	965
RTJ End L	in	14.61	15.12	18.11	24.13	29.13	33.11	38.11
	mm	371	384	460	613	740	841	968
Height H	in	10.16	12.76	14.41	17.05	18.90	21.26	24.09
	mm	258	324	366	433	480	540	612
Handwheel Dia W	in	29.50	31.50	13.80	19.70	19.70	19.70	19.70
	mm	750	800	350	500	500	500	500
Weight	RF Kg	45	78	132	306	456	972	1260

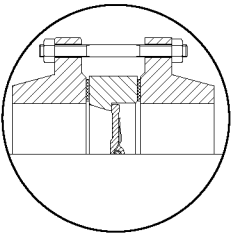
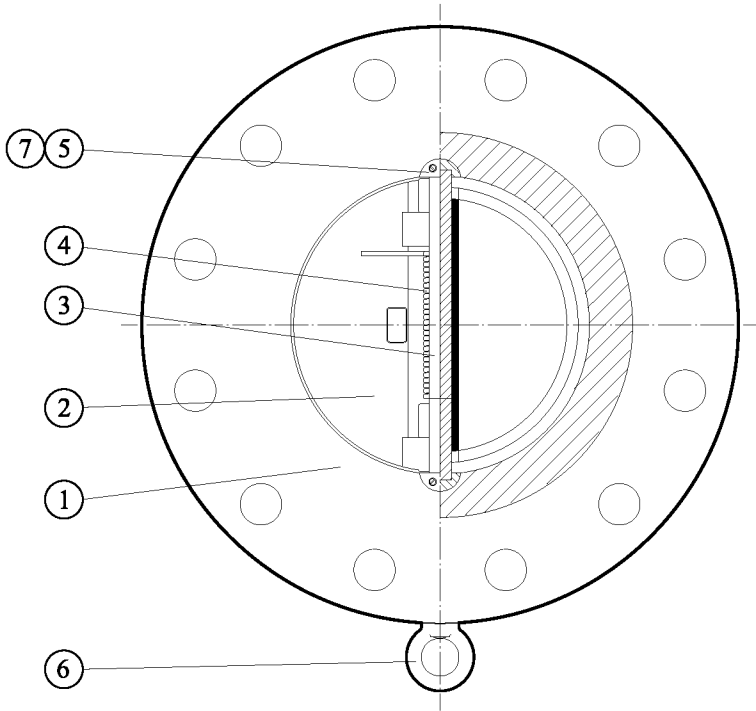


Dual-Plate Wafer Check Valve

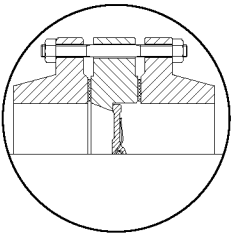
Material List

Trim Material

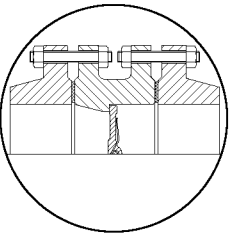
DHV Trim Code	Seat Surface Part No.3	Piston Surface Part No.4
1	13CR	13CR
2	HF	HF
3	HF	13CR
4	Monel	Monel
5	316	316
6	HF	316
7	304	304
8	HF	304
9	INCONEL	INCONEL
A	HF	HF
B	DSS	DSS



Wafer Type



Lug Type



Double Flanged Type

Standard Material Specifications

Part Name		Carbon Steel to ASTM			Alloy Steel to ASTM			Stainless Steel to ASTM		
1	Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
2	Disc	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 C5	A217 C12	A351 CF8	A351 CF8M	A890 4A
3	Pin	A105	A350 LF2	A350 LF2	A105	A105	A105	A182 F304	A182 F316	A182 F51
4	Spring	Steel								
5	Holder Lock	A105	A350 LF2	A350 LF2	A105	A105	A105	A182 F304	A182 F316	A182 F51
6	Screw	Steel								
7	Pin Holder	A105	A350 LF2	A350 LF2	A105	A105	A105	A182 F304	A182 F316	A182 F51

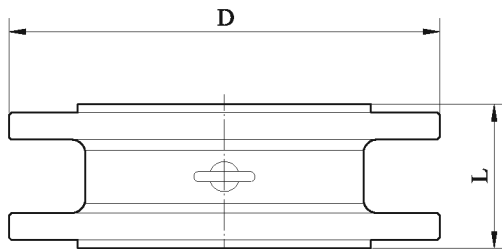


Dual-Plate Wafer Check Valve

Feature & Dimension

Specifications

Basic Design: **API 594**
Face to Face Dimensions: **API 594**
End Flange Dimensions: **ASME B16.5**
Inspection and Testing: **API 598**
Type: **Wafer, Wafer-Lug, and Double Flange**



150LB

Description		Valve Size													
		2	3	4	6	8	10	12	14	16	18	20	24	28	30
Flanged End L	in	2.40	2.90	2.90	3.90	5.00	5.75	7.10	7.20	7.50	8.00	8.60	8.70	12.00	12.00
	mm	60	73	73	98	127	146	181	184	191	203	219	222	305	305
OD of flange D	in	4.00	5.30	6.80	8.70	11.00	13.30	16.00	17.60	20.20	21.50	23.80	28.20	32.70	34.70
	mm	103	135	173	221	277	337	407	448	512	547	604	715	830	880
Weight	RF	Kg	2	4	6	13	24	40	66	83	102	124	150	203	230

300LB

Description		Valve Size													
		2	3	4	6	8	10	12	14	16	18	20	24	28	30
Flanged End L	in	2.40	2.90	2.90	3.90	5.00	5.75	7.10	8.70	9.10	10.40	11.50	12.50	14.50	14.50
	mm	60	73	73	98	127	146	181	222	232	264	292	318	368	368
OD of flange D	in	4.33	5.79	7.05	9.80	12.01	14.13	16.54	19.02	21.14	23.39	25.67	30.39	35.28	37.40
	mm	110	147	179	249	305	359	420	483	537	594	652	772	896	950
Weight	RF	Kg	3	5	7	17	32	50	81	117	158	200	285	380	413

600LB

Description		Valve Size													
		2	3	4	6	8	10	12	14	16	18	20	24	28	30
Flanged End L	in	2.36	2.87	3.11	5.35	6.50	8.39	9.02	10.75	12.01	14.25	14.49	17.24	19.88	19.88
	mm	60	73	79	136	165	213	229	273	305	362	368	438	505	505
OD of flange D	in	4.33	5.79	7.52	10.39	12.52	15.67	17.91	19.29	22.13	24.02	26.77	30.94	35.91	38.11
	mm	110	147	191	264	318	398	455	490	562	610	680	786	912	968
Weight	RF	Kg	3	5	9	27	48	94	115	187	261	365	453	705	995

900LB

Description		Valve Size													
		2	3	4	6	8	10	12	14	16	18	20	24	28	30
Flanged End L	in	2.76	3.27	4.02	6.26	8.11	9.49	11.50	14.02	15.12	17.76	17.76	19.49	22.01	22.01
	mm	70	83	102	159	206	241	292	356	384	451	451	495	559	559
OD of flange D	in	5.51	6.50	8.03	11.26	14.02	17.01	19.49	20.47	22.52	25.04	27.40	32.87	37.17	39.69
	mm	140	165	204	286	356	432	495	520	572	636	696	835	944	1008
Weight	RF	Kg	6	10	17	41	80	135	212	335	395	600	810	1030	1450

1500LB

Description		Valve Size													
		2	3	4	6	8	10	12	14	16	18	20	24	28	30
Flanged End L	in	2.76	3.27	4.02	6.26	8.11	9.76	12.01	14.02	15.12	18.43	20.98	22.01	27.68	29.69
	mm	70	83	102	159	206	249	305	356	384	468	533	559	707	754
OD of flange D	in	5.51	6.77	8.19	11.06	13.78	17.05	20.39	22.68	25.20	27.68	29.69	35.35	41.27	43.30
	mm	140	172	208	281	350	433	518	576	640	703	754	898	1057	1107
Weight	RF	Kg	6	10	17	50	96	176	287	433	580	780	1250	1700	2700

For sizes out of above range, please consult DHV for details.



Product Specification

Description	Basic Design	Class	Size															
			2	3	4	6	8	10	12	14	16	20	24	30	36	42	48	52
Gate Valve	API 600 ASME B 16.34	150	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		900/1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	API 603	150	•	•	•	•	•	•	•	•	•	•	•	•				
300		•	•	•	•	•	•	•	•	•	•	•	•					
600		•	•	•	•	•	•	•	•	•	•	•	•					
900/1500		•	•	•	•	•	•	•	•	•	•	•	•					
Globe Valve	BS 1873 API 623	150	•	•	•	•	•	•	•	•	•	•	•	•	•			
		300	•	•	•	•	•	•	•	•	•	•	•	•				
		600	•	•	•	•	•	•	•	•	•	•	•	•				
		900/1500	•	•	•	•	•	•	•	•	•	•	•	•				
		2500	•	•	•	•	•	•	•	•	•	•	•	•				
	BS 1868 API 594	150	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
300		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
600		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
900/1500		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Check Valve	BS 1868 API 594	2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		150	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		900/1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	ASME B16.34	2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
600		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
900/1500		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
2500		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Parallel Slide Gate Valve	ASME B16.34	600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		900/1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pressure Seal Gate Valve	API 600 MSS SP-144	600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		900/1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pressure Seal Globe Valve	ASME B16.34	600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pressure Seal Check Valve	ASME B16.34	600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		900/1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Slab Gate Valve	API 6D	150	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		900/1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Expanding Gate Valve	API 6D	150	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Swing Check Valve	API 6D	2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		150	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Piston Check Valve	API 6D ASME B 16.34	1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		150	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Plug Valve	API 6D API 599 ASME B 16.34	900/1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		150	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Dual-Plate Wafer Check Valve	API 594	600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		900/1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		150	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•