

温州大风车阀门有限公司
WENZHOU WINDMILL VALVE CO.,LTD.
地 址: 浙江温州瓯北园区大道泰通工业园大风车阀门
ADD: Taitong Industrial Park, Industrial Zone Road,
Oubei,Wenzhou,Zhejiang,China.

T : 0086-577-67955568; 67955569 ;
F : 0086-577-67955565
www.dfcvalve.com
E : sales@dfcvalve.com ; info@dfcvalve.com

WWW.DFCVALVE.COM



USE THE FIELD

使用领域



Petrochemicals
石化



Water & Wastewater
水利



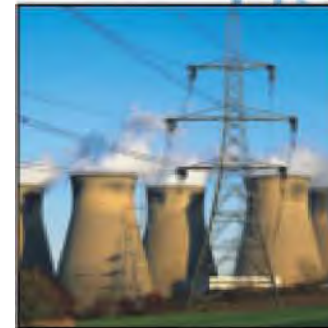
LNG & Cryogenics
天然气



Chemical 化工



Marine 船用



Fossil, Nuclear & Cogeneration Power 核电



Refining 精炼



Offshore 海上油田

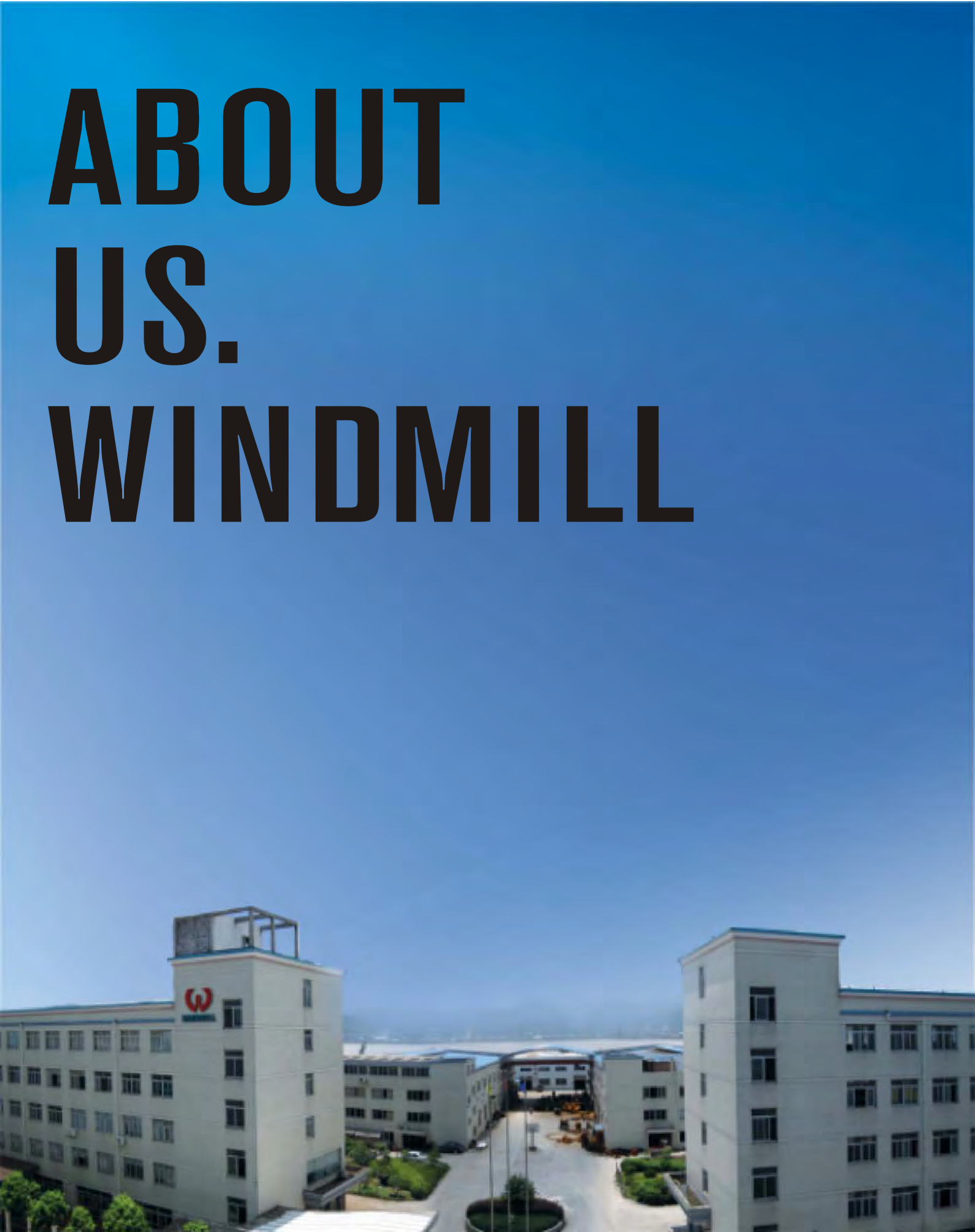


Pulp & Paper 造纸



Mining 采矿





ABOUT US. WINDMILL

关于大风车阀门

温州大风车阀门有限公司是一家集设计、制造和销售为一体的生产贸易型企业。公司坐落在中国泵阀之乡“温州瓯北”。公司拥有专业的ANSI/API，JIS，DIN，BS标准产品的生产能力和面向国际化的销售经验。主车间占地3000多平方米，年产达5千吨阀门，拥有员工60人，管理层20人，技术部可直接提供中英文格式设计图纸，销售部可根据客户中英文内容直接进行产品销售服务。根据客户需求，现90%产品出口到欧洲、美洲、中东、东南亚等国家。经过数年努力，公司形成了以API600闸阀、BS1873截止阀、BS1868止回阀、API6D全开止回阀、API594对夹止回阀、过滤器等产品系列为主导销售产品。口径范围：1/2” -42” ,最高工作压力2500lb，使用温度范围：-196℃-649℃。主要产品材料：碳钢、不锈钢、双相钢、合金钢及特殊材料。产品可使用在石油、化工、钢铁、电力、船舶、天然气、水处理、核电等领域。公司突出对质量的重视，形成完善的质保体系，严格的检测手段，可做X射线探伤、磁粉探伤、超声波探伤、渗透探伤、力学性能试验、化学分析、低温试验等要求产品。我司注重产品质量不断的提升，整个生产流程中严格控制采用国际标准化材料，所供产品得到客户的一致好评。竭诚欢迎新老客户前来参观、考察、洽谈指导。

Wenzhou Windmill Valve Co.,Ltd.,a valve manufacturer, located at China famous Pump&Valve Town--Oubei,Wenzhou. Our factory specialized in all kinds of industrial valves, consistent conformed to international and national standards, we have gained worldwide market. The past years, 90% of our products offered for Europe, America, Middle east, Southeast Asia. Product quality and service reliability are essential to the success of our business , we strictly control every procession such as the purchasing of raw material, the development of innovative designs and the advanced checking method and so on, we consider it is our company's life to give every customer fully satisfaction.

- Products range:** gate, check, globe, wafer check, ball, strainer ect.
- Pressure range:**Class150-Class2500, Size range:1/2"-42"
- Temperature:**-196℃ to 649℃(-3200F to 12000F)
- Operation type:** manual , gearbox, chain wheel, pneumatic, electronic, hydraulic-pneumatic etc.
- Connection End:** RF, BW, SW, NPT, wafer type, etc.
- Materials (casting):** WCB, WCC, LCB, LCC, LC1~3, CF8, CF3, CF8M, CF3M, CF8C, CN7M, CA15, C5, WC5, WC6, WC9, GR4A,etc.
- Materials (forging):** A105, LF1, LF2, F11, F22, F5,F304, F304L, F316, F316L, F316H, F321, F347, F51, F60, etc.

According to the different project and different medium, we effectively meet customer's requirments with RT,UT,MT,PT test standard. The remarkable quality and service are the WINDMILL person's forever pursue.



①②③ 大风车拥有标准的生产车间，年产5千吨工业阀门(WINDMILL have the standard workshop, Every year can supply 5 Thousands tons of different kinds valves)

④⑤ 大风车所供阀门全部采用标准材料，经过严格热处理、各种必要检测测试 (WINDMILL supply the valves ,with the material strictly according to the standard and with the necessary different test)



⑥⑦ 大风车可以提供锻钢材料和铸钢材料阀门产品) WINDMILL supply the valves with the material forging and casting(Aluminium pattern and wooden pattern)

⑧⑨ 大风车产品预览
(WINDMILL Products Preview)





CONNETS 目录

P2--P6	铸钢闸阀系列 GATE VALVE SERIES
P7--P8	压力自密封闸阀系列 PRESSURE SEAL GATE VALVE SERIES
P9--P12	截止阀系列 GLOBE VALVE SERIES
P13--P14	压力自密封截止阀系列 PRESSURE SEAL GLOBE VALVE SERIES
P15--P18	止回阀系列 CHECK VALVE SERIES
P19--P20	压力自密封止回阀系列 PRESSURE SEAL CHECK VALVE SERIES
P21-P22	对夹止回阀系列 WAFER CHECK VALVE SERIES
P23-P24	过滤器系列 STRAINER SERIES
P25--P38	球阀系列 BALL VALVE SERIES
P39	锻钢闸阀系列 FORGE STEEL GATE VALVE SERIES
P40	锻钢截止阀系列 FORGE STEEL GLOBE VALVE SERIES
P41	锻钢止回阀系列 FORGE STEEL CHECK VALVE SERIES
P42	锻钢球阀系列 FORGE STEEL BALL VALVE SERIES
P43-P45	材料表 MATERIAL DATA

Valve Type		ASME CLASS	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	30"	32"	36"	42"	48"
API600	闸阀 Gate Valve Bolted Bonnet (Flex Wedge)	150	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		300	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		600	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		900	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		1500	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		2500	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
BS 1873	截止阀 Globe Valve Bolted Bonnet	150	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		300	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		600	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		900	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		1500	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		2500	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
BS 1868 & API6D	止回阀 Check valve Bolted Cover (Swing Type Disc)	150	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		300	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		600	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		900	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		1500	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		2500	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
API6D	球阀 Ball Valve (Floating Type & Trunning Type)	150	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		300	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		600	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		900	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		1500	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		2500	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
API594	对夹止回阀 Wafer Check Valve	150	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		300	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		600	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		900	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
API	过滤器 Cast Steel Strainer	150	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		300	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		600	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		900	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆

Valve Type		ASME CLASS	1 1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
API602	锻钢阀门(闸/截/止) Forge Steel valves (Gate/Globe/Check)	150	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		300	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		600	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		900	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		1500	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
API	锻钢过滤器 Forge Steel Strainer ("Y"Type)	150	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		300	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		600	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		900	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
		1500	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆

Remark:

1.Face To Face: ANSI B16.10

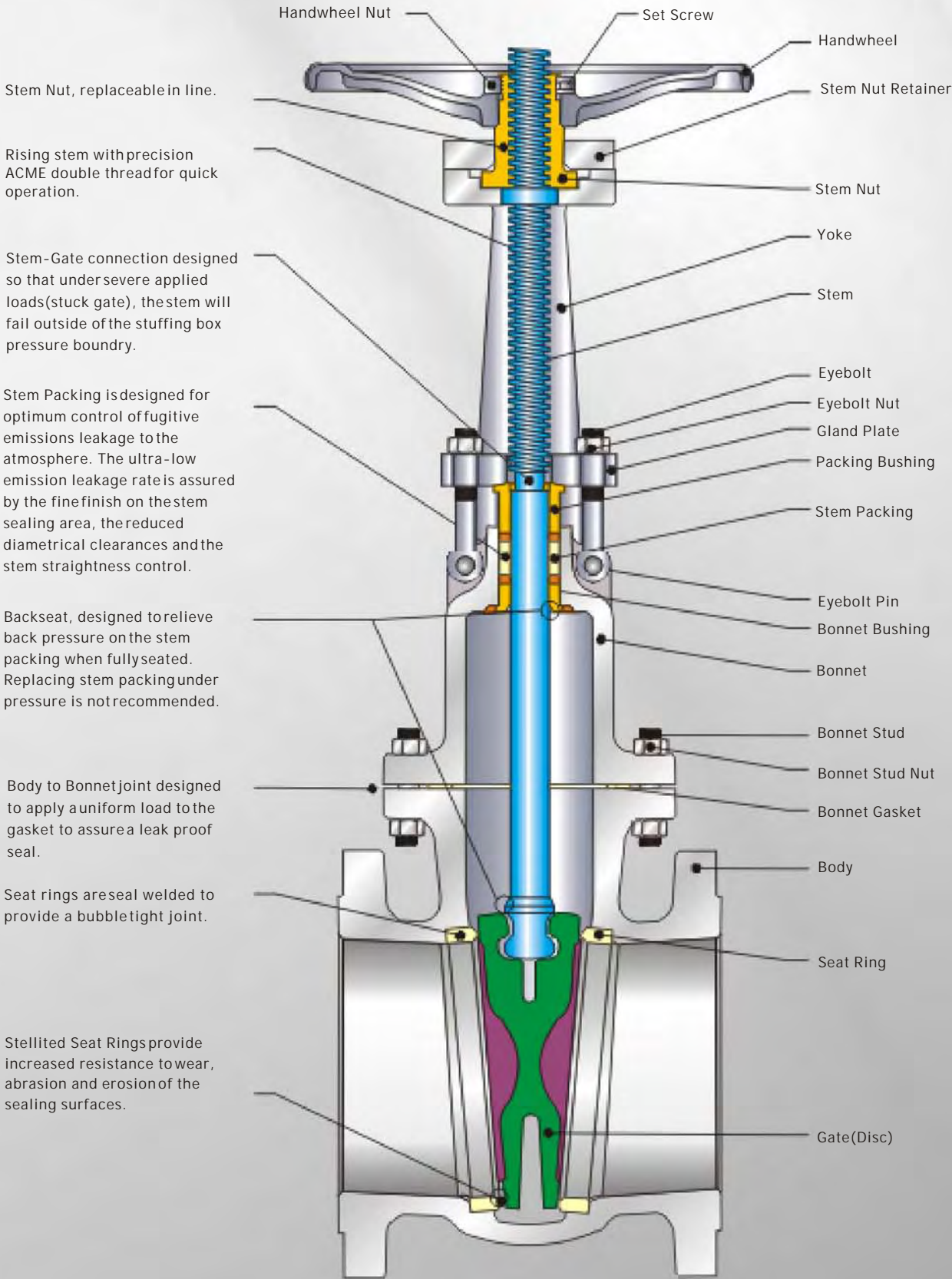
2.Flange End Connection: ANSI B16.5

3.Welded End Connection: ANSI B16.25

4.Inspection And Test : API 598

GATE VALVE SERIES





铸钢闸阀 CAST STEEL GATE VALVE

150LB/300LB/600LB/900LB/1500LB

技术标准 Technical Standard:
设计标准 Design STD.: API600, BS1414, ASME/ANSI B16.34
结构长度 Face To Face: ASME/ANSI B16.10
法兰连接 Flange End Connection: ASME/ANSI B16.5
对焊连接 Welded End Connection: ASME/ANSI B16.25
检验和测试 Inspection And Test: API598

产品说明 Design description:
全开设计 Full port design
明杆 Rising stem and non-rising handwheel
明杆带支架 OS & Y, outside screw and yoke
栓盖结构 BB, bolted bonnet
弹性闸板 Flexible wedge, fully guided
T型锻压阀杆 Forged T-head stem

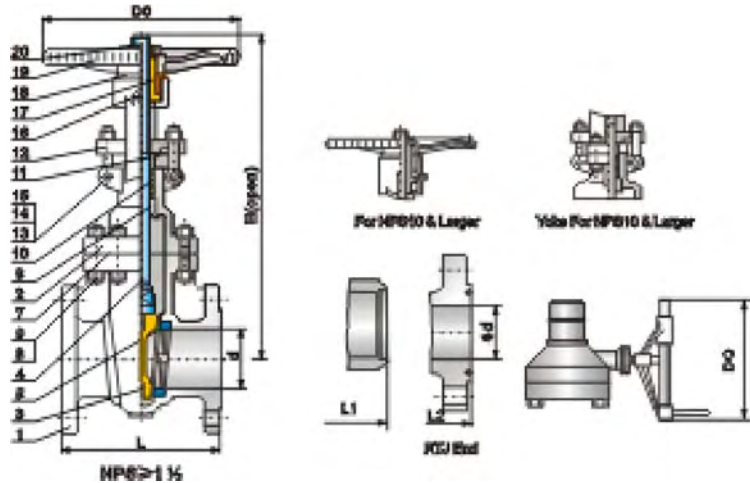
序号 No	部件名称 Part Name	材料 ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP. Material	低温钢 Low TEMP. Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体 Body	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
2	阀盖 Bonnet	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
3	闸板 Wedge	A216-WCB+CR13	A217-WC6	A352-LCB+CR13	A351-CF8	A351-CF8M	A890-GR 4A
4	阀杆 Stem	A182-F6a	A182-F11	A182-F6a	A182-F304	A182-F316	A182-F51
5	阀座 Seat Ring	A105+CR13 ³⁾	A182-F11+HF ³⁾	A350-LF2+CR13 ³⁾	A182-304+HF ³⁾	A182-316+HF ³⁾	A182-F51 ³⁾
6	上密封座 Stem Back Seat	A276-420	A276-304	A276-420	A276-304	A276-316	A276-F51
7	中道垫 Bonnet Gasket	Spiral Wound (Graphite + 304) or 304 SS Ring ¹⁾			304+Graphite or 304 SS Ring ¹⁾	316+Graphite or 316 SS Ring ¹⁾	321+Graphite or F51 Ring ¹⁾
8	中道螺栓 Bonnet Stud	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M+Zn
9	中道螺母 Bonnet Stud Nut	A194-2H	A194-4	A194-4	A194-8	A194-8M	A194-7M+Zn
10	填料 Packing	石墨 Graphite					
11	压套 Gland	A276-420	A276-304	A276-420	A276-304	A276-316	A276-321
12	填料压板 Gland Flange	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
13	横销 Eyebolt Pin	碳钢 Carbon Steel	不锈钢 SS	碳钢 Carbon Steel	不锈钢 SS	不锈钢 SS	不锈钢 SS
14	活节螺栓 Eyebolt	碳钢 Carbon Steel	不锈钢 SS	碳钢 Carbon Steel	不锈钢 SS	不锈钢 SS	不锈钢 SS
15	活节螺母 Eyebolt Nut	碳钢 Carbon Steel	不锈钢 SS	碳钢 Carbon Steel	不锈钢 SS	不锈钢 SS	不锈钢 SS
16	油杯 Grease Fitting	铜 Brass+Steel					
17	阀杆螺母 Stem Nut	铜或高镍球墨铸铁 Brass or D2 ²⁾					
18	锁紧螺母 Locking Nut	碳钢 Carbon Steel					
19	手轮 Handwheel	马钢 Malleable Iron					
20	并帽 Handwheel Nut	碳钢 Carbon Steel					

备注 NOTE:

1). 150lb-600lb 使用缠绕垫片, 600lb-1500lb 使用金属环垫。
150lb-600lb Spiral Wound Gasket, 600lb-1500lb Ring Gasket.

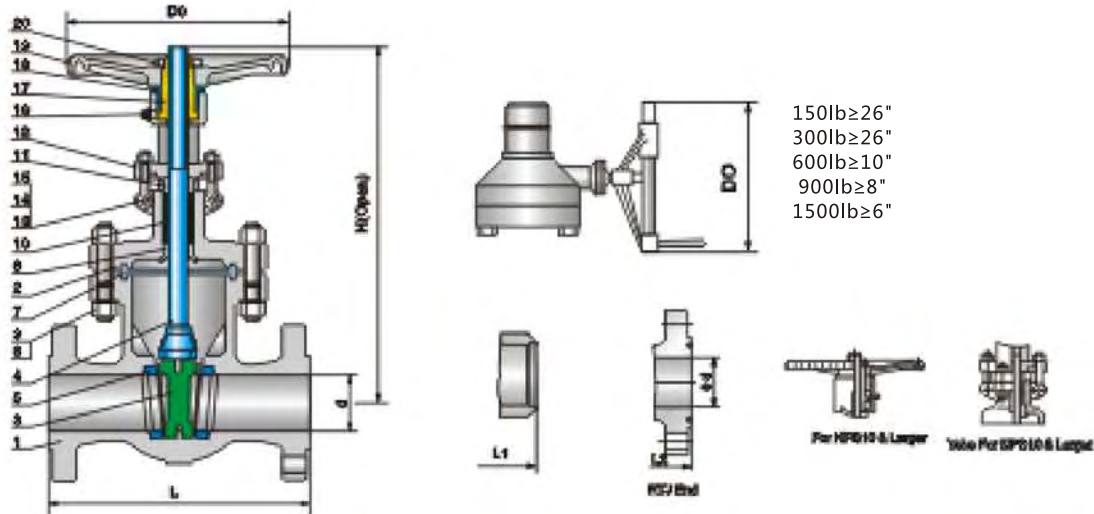
2). 铜或高镍球墨铸铁, 可根据要求选配。
Brass or D2 material stem nut according to request.

3). 碳钢类 2"-6" 可供应螺纹连接或者焊接可更换阀座。
Carbon steel 2"-6" seat ring can supply threaded renewable type or welded renewable type.
碳钢类 8" 及以上供应焊接可更换阀座。
Carbon steel 8" and up size seat ring supply with welded renewable type.
不锈钢类全部为本体阀座。
Stainless steel valves all supply with body seat.



铸钢闸阀CAST STEEL GATE VALVE

150LB/300LB/600LB/900LB/1500LB



技术参数 DIMENSIONS DATA

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	30 750	32 800	36 900	40 1000	42 1050	48 1200	in mm
ANSI Class 150lb																						
L (RF)	7 178	7.5 191	8 203	9 229	10.5 267	11.5 292	13 330	14 356	15 381	16 406	17 432	18 457	20 508	22 559	24 610	24 610	28 660	28 711	32 762	32 787	42 864	in mm
L1 (BW)	8.5 216	9.5 241	11.12 283	12 305	15.88 403	16.5 419	18 457	19.75 502	22.5 572	24 610	26 660	28 711	32 813	34 864	36 914	36 914	38 965	40 1016	42 1067	43 1092	46 1168	in mm
L2 (RTJ)	7.48 190	7.99 203	8.5 216	9.48 241	10.98 279	12 305	13.5 343	14.48 368	15.51 394	16.49 419	17.51 445	18.5 470	20.51 521	-	-	24.48 622	-	28.5 724	-	-	-	in mm
H (OPEN)	15.15 386	17 434	18.88 480	23 584	30.5 765	37.62 956	45.5 1149	53.12 1350	59.38 1508	67 1703	74.5 1892	83.5 2119	98.25 2501	110.5 2806	116.5 2960	124 3150	129 3280	146.5 3720	157 3980	190 4820	233 5920	in mm
(d)	51	64	76	102	152	203	254	305	337	387	438	489	591	641	692	743	781	876	-	-	-	mm
DO	8 200	8 220	10 220	12 250	12 300	14 350	16 400	18 450	20 500	22 550	24 600	27 680	24 610	24 610	24 610	24 610	24 610	24 610	24 610	24 610	24 610	in mm
WT (kg)	17 14	22 16	29 24	46 40	79 68	116 107	178 150	276 240	349 360	471 465	612 580	777 745	1124 1163	1570 1521	1900 1838	2540 2261	2958 2490	3380 3310	4815 4840	5300 5275	7110 7050	RF/RTJ BW
扭矩Torque	13	13	15	27	36	63	84	131	151	235	285	341	602	-	-	1079	-	1497	-	-	-	N.m

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	30 750	32 800	36 900	40 1000	42 1050	48 1200	in mm
ANSI Class 300lb																						
L/L1 (RF/BW)	8.5 216	9.5 241	11.12 283	12 305	15.88 403	16.5 419	18 457	19.75 502	30 762	33 838	36 914	39 991	45 1143	49 1245	53 1346	55 1397	60 1524	68 1727	76 1930	78 1981	88 2235	in mm
L2 (RTJ)	9.12 232	10.12 257	11.75 298	12.62 321	16.5 419	17.12 435	18.62 473	20.38 518	30.62 778	33.62 854	36.62 930	39.75 1010	45.88 1165	50.00 1270	54.00 1372	56.00 1422	61.12 1553	69.12 1756	-	-	-	in mm
H (OPEN)	16.12 410	17.88 453	20 509	24 612	31.75 805	59.38 1000	47.62 1210	55.75 1415	62.25 1580	67.88 1725	77.12 1960	86.38 2195	102 2590	117 2975	123 3120	126 3205	145 3692	162 4104	179 4547	187 4739	212 5373	in mm
(d)	51 200	64 220	76 250	102 250	152 350	203 400	254 450	315 500	401 550	445 550	502 600	557 610	619 610	678 610	743 610	812 610	881 810	961 1000	1040 1000	1120 1000	1200 1000	in mm
DO	8 200	8 220	10 250	10 250	14 350	16 400	18 450	20 500	22 550	22 550	24 600	24 610	24 610	24 610	24 610	24 610	32 810	40 1000	40 1000	40 1000	40 1000	in mm
WT (kg)	24 18	33 25	45 35	66 51	131 110	201 160	329 260	510 395	743 580	910 795	1219 970	1750 1440	2300 2604	3090 2540	3312 2725	3597 3057	4850 4122	6850 4990	8460 6160	9500 6800	12400 9000	RF/RTJ BW
扭矩Torque	16	18	21	42	86	128	215	289	423	537	649	1009	1451	-	-	3140	-	4239	-	-	-	N.m

铸钢闸阀CAST STEEL GATE VALVE

150LB/300LB/600LB/900LB/1500LB

技术参数 DIMENSIONS DATA

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	30 750	32 800	36 900	40 1000	42 1050	48 1200	in mm
ANSI Class 600Ib																						
L/L1 (RF/BW)	11.5 292	13 330	14 356	17 432	22 559	26 660	31 787	33 838	35 889	39 991	43 1092	47 1194	55 1397	57 1448	61 1549	65 1651	70 1778	82 2082	90 2286	96 2438	100 2540	in mm
L2 (RTJ)	11.62 295	13.12 333	14.12 359	17.12 435	22.12 562	26.12 664	31.12 791	33.12 841	35.12 892	39.12 994	43.12 1095	47.25 1200	55.38 1407	57.50 1461	61.50 1562	65.50 1664	70.62 1794	82.62 2099	-	-	-	in mm
H (OPEN)	16.5 418	18.75 476	20.38 518	25.5 646	33 840	40.38 1025	48.38 1230	57 1450	62 1575	70.62 1795	76 1930	87 2210	102 2582	124 3150	133 3362	140 3549	150 3811	168 4260	184 4670	194 4921	231 5876	in mm
(d)	51	64	76	102	152	200	248	298	327	375	419	464	559	603	648	695	781	876	-	-	-	mm
DO	8 220	10 250	10 250	12 300	18 450	20 500	24 600	27 680	24 600	24 610	24 610	24 610	24 610	32 810	40 1000	40 1000	40 1000	40 1000	40 1000	42 1200	42 1200	in mm
WT (kg)	36 29	52 42	67 53	120 84	273 204	402 337	610 548	902 905	1245 974	1530 1345	2030 1730	2735 2415	3620 3017	5220 4295	6050 4980	6945 5710	8312 6834	10000 8220	14300 11755	16460 13530	22900 18824	RF/RT/ BW
扭矩Torque	23	-	50	68	183	270	479	650	988	1243	1512	2185	3053	-	-	5452	-	7675	-	-	-	N.m

英寸NPS 口径DN	2 50	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	in mm
ANSI Class 900lb													
L/L1 (RF/BW)	14.5 368	15 381	18 457	24 610	29 737	33 838	38 965	40.5 1029	44.5 1130	48 1219	52 1321	61 1549	in mm
L2 (RTJ)	14.62 371	15.12 384	18.12 460	24.12 613	29.12 740	33.12 841	38.12 968	40.88 1038	44.88 1140	48.5 1232	52.5 1334	61.75 1568	in mm
H (OPEN)	19.62 498	22.5 573	26.62 678	35.5 900	43.5 1103	53 1345	60 1525	74.88 1900	81 2055	87 2215	101 2565	104 2640	in mm
(d)	47 300	70 350	98 450	146 500	190 600	234 610	282 610	311 610	354 610	400 8100	444 1000	533 1000	mm
DO	12 300	14 350	180 450	20 500	24 600	24 610	24 610	24 610	24 610	32 8100	40 1000	40 1000	in mm
WT (kg)	74 54	101 78	172 135	335 260	640 515	1100 920	1600 1380	2250 2100	2850 2565	3870 3300	4860 4050	6100 6120	RF/RT/ BW
扭矩Torque	39	56	64	118	243	427	783	1163	1331	-	-	-	N.m

英寸NPS 口径DN	2 50	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	in mm
ANSI Class 1500lb													
L/L1 (RF/BW)	14.5 368	18.5 470	21.5 546	27.75 705	32.75 832	39 991	44.5 1130	49.5 1257	54.5 1384	60.5 1537	65.5 1664	76.5 1943	in mm
L2 (RTJ)	14.6 371	18.62 473	21.62 549	28 711	33.12 841	39.38 1000	45.12 1146	50.25 1276	55.38 1407	61.4 1559	66.4 1686	77.6 1972	in mm
H (OPEN)	24.25 615	30 760	34.12 868	39.5 1005	45 1145	54 1370	64.3 1633	70.8 1798	77.3 1963	111 2812	121 3078	140.5 3570	in mm
(d)	47 300	70 450	92 500	136 600	174 600	222 610	263 610	289 610	330 610	371 1000	415 1000	498 1000	in mm
DO	116 300	209 450	296 500	510 600	920 600	1910 610	3145 610	4100 610	6200 610	8965 1000	13100 1000	15860 1000	RF/RT BW
WT (kg)	105 105	188 209	265 296	510 412	920 760	1910 1640	3145 2755	4100 3200	6200 5300	8965 8070	13100 11790	15860 14275	RF/RT BW
扭矩Torque	39	56	64	118	243	427	783	1163	1331	-	-	-	N.m

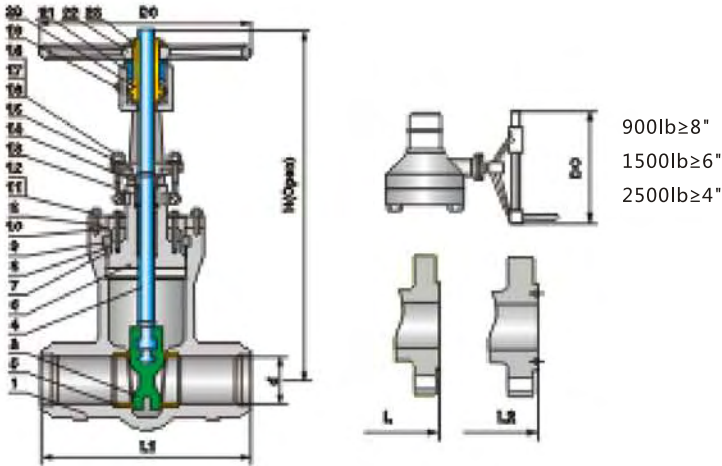
压力自密封闸阀PRESSURE SEAL GATE VALVE

900LB/1500LB/2500LB

- 技术标准 Technical Standard:
- 设计标准 Design STD.:API600,BS1414,ASME/ANSI B16.34
- 结构长度 Face To Face:ASME/ANSI B16.10
- 法兰连接 Flange End Connection:ASME/ANSI B16.5
- 对焊连接 Welded End Connection:ASME/ANSI B16.25
- 检验和测试 Inspection And Test:API598
- 产品说明 Design description:
- 全开设计 Full port design
- 明杆 Rising stem and non-rising handwheel
- 明杆带支架 OS & Y,outside screw and yoke
- 自密封结构 PSB,pressure seal bonnet
- 弹性闸板 Flexible wedge,fully guided
- T型锻压阀杆 Forged T-head stem

序号 No	部件名称 Part Name	材料 ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP.Material	低温钢 Low TEMP.Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
2	支架Yoke	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
3	闸板Wedge	A216-WCB+HF	A217-WC6+HF	A352-LCB+HF	A351-CF8+HF	A351-CF8M+HF	A890-GR 4A
4	阀杆Stem	A182-F6a	A182-F11	A182-F6a	A182-F304	A182-F316	A182-F51
5	阀座Seat Ring	A105+HF ³⁾	A182-F11+HF ³⁾	A350-LF2+HF ³⁾	A182-304+HF ³⁾	A182-316+HF ³⁾	A182-F51 ³⁾
6	阀盖Bonnet	A105	A182-F11	A350-LF2	A240-304	A240-316	A182-F51
7	中道垫Bonnet Gasket	304SS Ring	304SS Ring	304SS Ring	304 SS Ring	316SS Ring	F51DSSRing
8	压环Adapter Ring	碳钢Carbon Steel	A276-420	碳钢Carbon Steel	A276-304	A276-316	A276-321
9	四开环Retainer	碳钢Carbon Steel	A276-420	碳钢Carbon Steel	A276-304	A276-316	A276-321
10	压板Yake Cap	碳钢Carbon Steel	合金钢Alloy Steel	碳钢Carbon Steel	不锈钢 SS	不锈钢 SS	不锈钢 SS
11	中道螺栓Bonnet Stud	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A194-7M+镀锌Zn
12	中道螺母Bonnet Stud Nut	A194-2H	A194-4	A194-4	A194-8	A194-8M	A194-7M+镀锌Zn
13	填料Packing	石墨Graphite					
14	压套Gland	A276-420	A276-304	A276-420	A276-304	A276-316	A276-321
15	填料压板Gland Flange	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
16	横销Eyebolt Pin	碳钢Carbon Steel	不锈钢 SS	碳钢Carbon Steel	不锈钢 SS	不锈钢 SS	不锈钢 SS
17	活节螺栓Eyebolt	碳钢Carbon Steel	不锈钢 SS	碳钢Carbon Steel	不锈钢 SS	不锈钢 SS	不锈钢 SS
18	活节螺母Eyebolt Nut	碳钢Carbon Steel	不锈钢 SS	碳钢Carbon Steel	不锈钢 SS	不锈钢 SS	不锈钢 SS
19	油杯Grease Fitting	铜Brass+Steel					
20	阀杆螺母Stem Nut	铜或高镍球墨铸铁Brass or D2 ²⁾					
21	锁紧螺母Locking Nut	碳钢Carbon Steel					
22	手轮Handwheel	马钢Malleable Iron					
23	井帽Handwheel Nut	碳钢Carbon Steel					

- 备注NOTE:
- 2).铜或高镍球墨铸铁，可根据要求选配。
Brass or D2 material stem nut according to request.
- 3).碳钢类供焊接可更换阀座。
Carbon steel valves seat ring supply with welded renewable type.
- 不锈钢类全部为本体阀座。
Stainless steel valves all supply with body seat.



压力自密封闸阀PRESSURE SEAL GATE VALVE

900LB/1500LB/2500LB

技术参数 DIMENSIONS DATA

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	32 800	36 900	in mm
ANSI Class 900lb																		
L1 (BW)	8.5 216	10 254	12 305	14 356	20 508	26 660	31 787	36 914	39 991	43 1092	48 1219	52 1321	61 1549	62 1574	65.47 1663	70 1778	80 2032	in mm
L (RF)	14.5 368	16.5 419	15 381	18 457	24 610	29 737	33 838	38 965	40.5 1029	44.5 1130	48 1219	52 1321	61 1549	62 1574	65.47 1663	70 1778	80 2032	in mm
L2 (RTJ)	14.62 371	16.62 422	15.12 384	18.12 460	24.12 613	29.12 740	33.12 841	38.12 968	40.88 1038	44.88 1140	48.5 1232	52.51 1334	61.73 1568	-	-	-	-	in mm
H (OPEN)	17.62 448	17.62 448	19.5 495	22.88 580	32.62 830	67.62 955	45.5 1155	53.12 1350	59 1500	70.5 1790	93.74 2381	96.49 2451	116.96 2971	131.96 3352	145.47 3695	157.48 4000	181 4597	in mm
DO	14 350	14 350	14 350	14 350	18 450	28 700	34 850	34 850	34 850	30 760	30 760	35.43 900	35.43 900	35.43 900	35.43 900	35.43 900	35.43 900	in mm
WT (kg)	63 42	99 67	107 70	158 108	294 194	693 520	1008 772	1418 1103	1785 1470	2520 2048	3320 2730	4400 3685	6770 5430	- 6370	- 7385	- 9500	- 16000	RF/RTJ BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	32 800	36 900	in mm
ANSI Class 1500lb																		
L1 (BW)	8.5 216	10 254	12 305	16 406	22 559	28 711	34 864	39 991	42 1067	47 1194	53 1346	58 1473	76.49 1943	80 2033	86.96 2209	90 2286	101 2565	in mm
L (RF)	14.5 368	16.5 419	18.5 470	21.5 546	27.75 705	32.75 832	39 991	44.5 1130	49.5 1257	54.5 1384	60.51 1537	65.51 1664	76.49 1943	80 2033	86.96 2209	90 2286	101 2565	in mm
L2 (RTJ)	14.62 371	16.62 422	18.62 473	21.62 549	28 711	33.12 841	39.38 1000	45.12 1146	50.25 1276	55.38 1407	61.37 1559	66.37 1686	77.63 1972	-	-	-	-	in mm
H (OPEN)	17.62 448	17.62 448	21.62 550	25.25 640	33.5 850	38.62 980	46.5 1180	62.25 1580	70.5 1790	78 1980	86.96 2209	93.97 2387	110 2794	121.96 3098	133.97 3403	147.48 3746	127.99 3251	in mm
DO	14 350	14 350	14 350	18 450	24 600	28 700	34 850	34 850	34 850	34 850	33.85 860	33.85 860	33.85 860	40.15 1020	40.15 1020	40.15 1020	40.15 1020	in mm
WT (kg)	63 42	99 67	126 87	218 150	504 367	956 718	1481 1071	2184 1523	2741 1890	3780 2888	5960 4630	7370 5720	10610 8240	11920 10235	13410 115000	17820 15525	25495 21735	RF/RTJ BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	in mm
ANSI Class 2500lb									
L/L1 (RF/BW)	17.75 451	20 508	22.75 578	26.5 673	36 914	40.25 1022	50 1270	56 1422	in mm
L2 (RTJ)	17.88 454	20.5 514	23 584	26.88 683	36.5 927	40.88 1038	50.88 1292	56.88 1445	in mm
H (OPEN)	34.88 631	29 736	35 890	41.5 1055	57 1450	63.38 1610	81.75 2075	89.75 2280	in mm
DO	16 400	18 450	20 500	20 500	24 610	24 610	24 610	24 610	in mm
WT (kg)	155 124	210 160	310 245	580 460	1600 1310	2450 2010	4570 3800	7150 6000	RF/RTJ BW

GLOBE VALVE SERIES



截止阀系列 GLOBE VALVE SERIES

Impactor Handwheel, the mechanism is based on transmitting the momentum generated by the mass of the handwheel through the impact/impulse generated during the snap closure action of the handwheel. This type of handwheel is used when a standard handwheel cannot create enough closing force to effect a seal.

Stem Nut replaceable in the line.

Revolving rising stem with precision ACME thread.

Stem Packing is designed for optimum control of fugitive emissions leakage to the atmosphere. The ultra low emission leakage rate is assured by the fine finish in the stem, the reduced diametrical clearances and the stem straightness control.

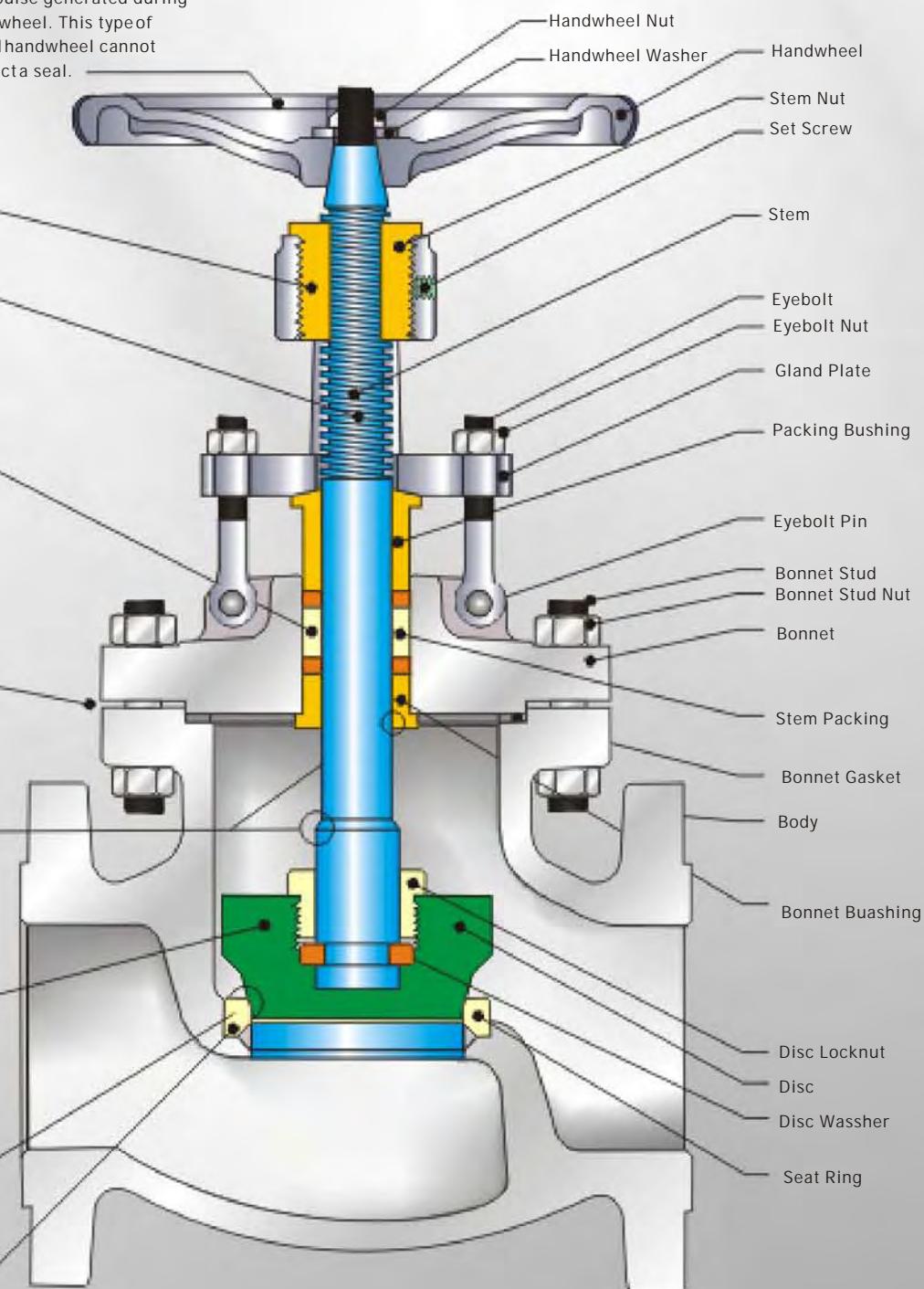
Body to Bonnet Joint designed to apply a uniform load to the gasket to assure a leak proof seal.

Backseat designed to relieve back pressure on the stem packing when fully seated. Replacing stem packing under pressure is not recommended.

Conical Disc, integrally guided to assure true alignment between disc and valve body. The loose disc design allows the disc and seat ring sealing surface to seat correctly without damage.

Stellited Seat Ring, providing increased resistance to wear, abrasion and erosion of the sealing surface.

Seat ring is seal welded to provide a bubble tight joint..



碳钢截止阀 CAST STEEL GLOBE VALVE

150LB/300LB/600LB/900LB

技术标准Technical Standard:
设计标准Design STD.:BS1873,ASME/ANSI B16.34
结构长度Face To Face:ASME/ANSI B16.10
法兰连接Flange End Connection:ASME/ANSI B16.5
对焊连接Welded End Connection:ASME/ANSI B16.25
检验和测试Inspection And Test:API598

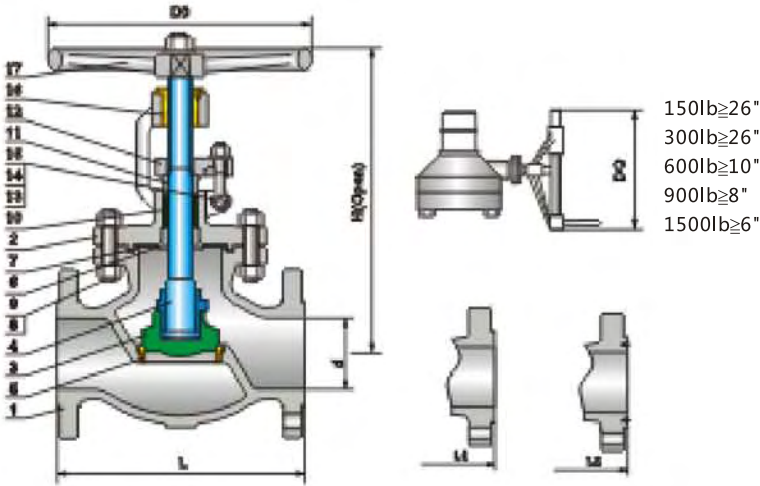
产品说明 Design description:
T 型设计Straight patteren body design
明杆带支架OS & Y,outside screw and yoke
栓盖结构BB,bolted bonnet
明杆Rising stem and handwheel
旋塞阀瓣Plug disc

序号 No	部件名称 Part Name	材料 ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP.Material	低温钢 Low TEMP.Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
2	阀盖Bonnet	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
3	阀瓣Disc	A105+CR13	A182-F11	A352-LF2+CR13	A182-F304	A182-F316	A182-F51
4	阀杆Stem	A182-F6a	A182-F11	A182-F6a	A182-F304	A182-F316	A182-F51
5	阀座Seat Ring	A105+CR13 ³⁾	A182-F11+HF ³⁾	A350-LF2+CR13 ³⁾	A182-304+HF ³⁾	A182-316+HF ³⁾	A182-F51 ³⁾
6	上密封座Stem Back Seat	A276-420	A276-304	A276-420	A276-304	A276-316	A182-F51
7	中道垫Bonnet Gasket	Spiral Wound(Graphite+304) or 304 SS Ring ¹⁾			304+Graphite or 304 SS Ring ¹⁾	316+Graphite or 316 SS Ring ¹⁾	321+Graphite or F51 Ring ¹⁾
8	中道螺栓Bonnet Stud	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M+锌Zn
9	中道螺母Bonnet Stud Nut	A194-2H	A194-4	A194-4	A194-8	A194-8M	A194-7M+锌Zn
10	填料Packing	石墨 Graphite					
11	压套Gland	A276-420	A276-304	A276-420	A276-304	A276-316	A276-321
12	填料压板Gland Flange	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
13	横销Eyebolt Pin	碳钢Carbon Steel	不锈钢 SS	碳钢 Carbon Steel	不锈钢 SS	不锈钢 SS	不锈钢 SS
14	活节螺栓Eyebolt	碳钢Carbon Steel	不锈钢 SS	碳钢 Carbon Steel	不锈钢 SS	不锈钢 SS	不锈钢 SS
15	活节螺母Eyebolt Nut	碳钢Carbon Steel	不锈钢 SS	碳钢 Carbon Steel	不锈钢 SS	不锈钢 SS	不锈钢 SS
16	阀杆螺母Stem Nut	铜或高镍球墨铸铁Brass or D2 ²⁾					
17	手轮Handwheel	马钢Malleable Iron					

- 备注NOTE:
- 1).150lb-600lb 使用缠绕垫片,600lb-1500lb使用金属环垫。
150lb-600lb Spiral Wound Gasket,600lb-1500lb Ring Gasket.

2).铜或高镍球墨铸铁，可根据要求选配。
Brass or D2 material stem nut according to request.

3).碳钢类2"-6" 可供应螺纹连接或者焊接可更换阀座
Carbon steel 2"-6" seat ring can supply threaded renewable type or welded renewable type.
碳钢类8"及以上供应焊接可更换阀座
Carbon steel 8"and up size seat ring supply with welded renewable type.
不锈钢类全部为本体阀座。
Stainless steel valves all supply with body seat.



截止阀系列GLOBE VALVE SERIES

碳钢截止阀 CAST STEEL GLOBE VALVE

150LB/300LB/600LB/900LB

技术参数 DIMENSIONS DATA

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	in mm
ANSI Class 150lb														
L/L1 (RF/BW)	8 203	8.5 216	9.5 241	11.5 292	16 406	19.5 495	24.5 622	27.5 698	31 787	36 914	38.46 977	38.46 977	50.98 1295	in mm
L2 (RTJ)	8.5 216	9 229	10 254	12 305	16.5 419	20 508	25 635	28 711	31.5 800	36.5 927	- -	- -	- -	in mm
H (OPEN)	15 380	21 535	17.5 445	20.25 515	22 560	24.25 615	32 815	35.88 910	48.38 1230	57 1450	41.96 1066	43.97 1117	50.98 1295	in mm
(d)	51 200	64 250	76 250	102 280	152 350	203 450	254 550	305 600	337 600	337 700	387 700	438 700	489 850	in mm
DO	8 200	12 250	12 250	11 280	14 350	18 450	22 550	24 600	24 600	28 700	28 700	28 700	34 850	in mm
WT (kg)	17 14	25 19	33 26	52 42	89 71	146 117	340 272	485 362	550 491	724 650	1400 1250	2600 2300	3700 3250	RF/RTJ BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	in mm
ANSI Class 300lb														
L/L1 (RF/BW)	10.5 267	11.5 292	12.5 318	14 356	17.5 444	22 559	24.5 622	28 711	33 838	34 864	38.5 978	40 1016	53 1346	in mm
L2 (RTJ)	11.12 282	12.12 308	13.12 333	14.62 371	18.12 460	22.62 575	25.12 638	28.62 727	- -	- -	- -	- -	- -	in mm
H (OPEN)	16.75 425	19 485	19.88 505	22.5 570	25.25 640	33.25 845	35.5 900	38.62 980	- -	53.97 1371	58 1473	62 1574	71 1803	in mm
(d)	51 200	64 200	76 250	102 280	152 350	203 450	254 500	305 600	337 600	387 610	438 610	489 720	591 720	in mm
DO	8 200	8 200	10 250	11 280	14 350	18 450	20 500	24 600	34 850	24 610	24 610	28 720	28 720	in mm
WT (kg)	31 25	40 31	54 40	80 61	125 104	173 137	297 213	500 432	724 632	1125 975	1650 1450	2700 2400	3650 3200	RF/RTJ BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	in mm
ANSI Class 600lb									
L/L1 (RF/BW)	11.5 292	13 330	14 356	17 432	22 559	26 660	31 787	33 838	in mm
L2 (RTJ)	11.62 295	13.12 333	14.12 359	17.12 435	22.12 562	26.12 664	31.12 791	33.12 841	in mm
H (OPEN)	17.5 445	19.75 502	21 533	24.5 622	29.5 750	36.5 927	44.88 1140	53.12 1350	in mm
(d)	51 200	64 200	76 200	102 152	152 200	200 200	248 248	298 298	in mm
DO	10 250	12 300	14 350	16 400	18 450	20 500	24 610	24 600	in mm
WT (kg)	37 30	50 40	62 58	150 132	294 227	543 460	1006 729	1350 1060	RF/RTJ BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	in mm
ANSI Class 900lb									
L/L1 (RF/BW)	14.5 368	16.5 419	15 381	18 457	24 610	29 737	33 838	-	in mm
L2 (RTJ)	14.62 371	16.62 422	15.12 384	18.12 460	24.12 613	29.12 740	33.12 841	-	in mm
H (OPEN)	22 560	23.25 590	25.25 640	31.88 810	41.38 1050	53.5 1360	61.88 1570	-	in mm
(d)	51 200	64 200	76 200	102 152	152 200	200 200	248 248	-	in mm
DO	14 350	14 350	16 400	18 450	20 500	24 600	24 600	-	in mm
WT (kg)	95 75	138 85	140 112	197 158	435 360	720 597	1070 890	-	RF/RTJ BW

压力自密封截止阀PRESSURE SEAL GLOBE VALVE

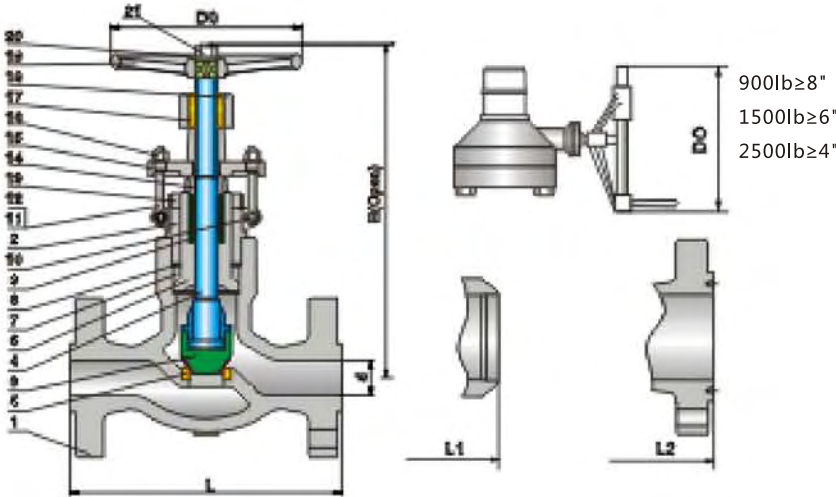
900LB/1500LB/2500LB

技术标准Technical Standard:
设计标准Design STD.:BS1873,ASME/ANSI B16.34
结构长度Face To Face:ASME/ANSI B16.10
法兰连接Flange End Connection:ASME/ANSI B16.5
对焊连接Welded End Connection:ASME/ANSI B16.25
检验和测试Inspection And Test:API598

产品说明 Design description:
T 型设计Straight patteren body design
明杆带支架OS & Y,outside screw and yoke
自密封结构PSB,pressure seal bonnet
明杆Rising stem and handwheel
旋塞阀瓣Plug disc

序号 No	部件名称 Part Name	材料 ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP.Material	低温钢 Low TEMP.Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
2	支架Yoke	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
3	阀瓣Disc	A105+HF	A182-F11+HF	A350-LF2+HF	A182-304+HF	A182-316+HF	A182-51
4	阀杆Stem	A182-F6a	A182-F11	A182-F6a	A182-F304	A182-F316	A182-F51
5	阀座Seat Ring	A105+HF ³⁾	A182-F11+HF ³⁾	A350-LF2+HF ³⁾	A182-304+HF ³⁾	A182-316+HF ³⁾	A182-F51 ³⁾
6	阀盖Bonnet	A105	A182-F11	A350-LF2	A276-304	A276-316	A276-F51
7	中道垫Bonnet Gasket	304SS Ring	304SS Ring	304SS Ring	304 SS Ring	316SS Ring	F51DSSRing
8	压环Adapter Ring	碳钢Carbon Steel	A276-420	碳钢Carbon Steel	A276-304	A276-316	A276-321
9	填料Packing	Graphite					
10	横销Eyebolt Pin	碳钢Carbon Steel	A276-420	碳钢Carbon Steel	A276-304	A276-316	A276-321
11	活节螺栓Eyebolt	碳钢Carbon Steel	A193-B7	碳钢Carbon Steel	A193-B8	A193-B8	A320-L7
12	活节螺母Eyebolt Nut	碳钢Carbon Steel	A194-2H	碳钢Carbon Steel	A194-8	A194-8	A194-4
13	锁紧螺母Locking Nut	碳钢Carbon Steel	合金钢Alloy Steel	碳钢Carbon Steel	不锈钢Stainless Steel	不锈钢Stainless Steel	不锈钢Stainless Steel
14	压套Gland	A276-420	A276-304	A276-420	A276-304	A276-316	A276-321
15	填料压板Gland Flange	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
16	垫圈Washer	碳钢Carbon Steel					
17	阀杆螺母Stem Nut	Brass or D2 ²⁾					
18	螺栓Bolt	碳钢Carbon Steel					
19	手轮Handwheel	马钢Malleable Iron					
20	锁紧螺母Locking Nut	碳钢Carbon Steel					
21	并帽Handwheel Nut	A194-2H					

备注NOTE:
1). 铜或高镍球墨铸铁，可根据要求选配。
Brass or D2 material stem nut according to request.
3). 碳钢类供焊接可更换阀座。
Carbon steel valves seat ring supply with
welded renewable type。
不锈钢类全部为本体阀座。
Stainless steel valves all supply with body seat.



压力自密封截止阀PRESSURE SEAL GLOBE VALVE

900LB/1500LB/2500LB

技术参数 DIMENSIONS DATA

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	in mm
ANSI Class 900lb									
L1 (BW)	8.5 216	10 254	12 305	14 356	20 508	26 660	31 787	36 914	in mm
L (RF)	14.5 368	16.5 419	15 381	18 457	24 610	29 737	33 838	38 965	in mm
L2 (RTJ)	14.62 371	16.62 422	15.12 384	18.12 460	24.12 613	29.12 740	33.12 841	38.12 968	in mm
H (OPEN)	22 557	22 557	22 557	27 685	36.38 925	43.38 1100	50.62 1285	57 1450	in mm
DO	16 400	16 400	16 400	16 400	28 700	28 700	36 900	36 900	in mm
WT (kg)	84 58	110 74	116 84	179 137	441 378	1050 945	1720 1520	2300 2050	RF/RTJ BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	in mm
ANSI Class 1500lb									
L1 (BW)	8.5 216	10 254	12 305	16 406	22 559	28 711	-	-	in mm
L (RF)	14.5 368	16.5 419	18.5 470	21.5 546	27.75 705	32.75 832	-	-	in mm
L2 (RTJ)	14.62 371	16.62 422	18.62 473	21.62 549	28 711	33.12 841	-	-	in mm
H (OPEN)	22 557	22 557	24.38 620	30 760	44.62 1135	54.75 1390	-	-	in mm
DO	16 400	18 450	20 500	24 600	28 700	36 900	-	-	in mm
WT (kg)	84 58	116 62	143 128	236 168	918 781	1764 1502	-	-	RF/RTJ BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	in mm
ANSI Class 2500lb					
L/L1 (RF/BW)	17.75 451	20 508	22.75 578	26.5 673	in mm
L2 (RTJ)	17.88 454	20.5 514	23 584	26.88 683	in mm
H (OPEN)	23.38 595	23.38 595	28 710	32.25 820	in mm
DO	16 400	20 500	24 600	28 700	in mm
WT (kg)	105 74	163 116	221 147	525 368	RF/RTJ BW

CHECK VALVE SERIES

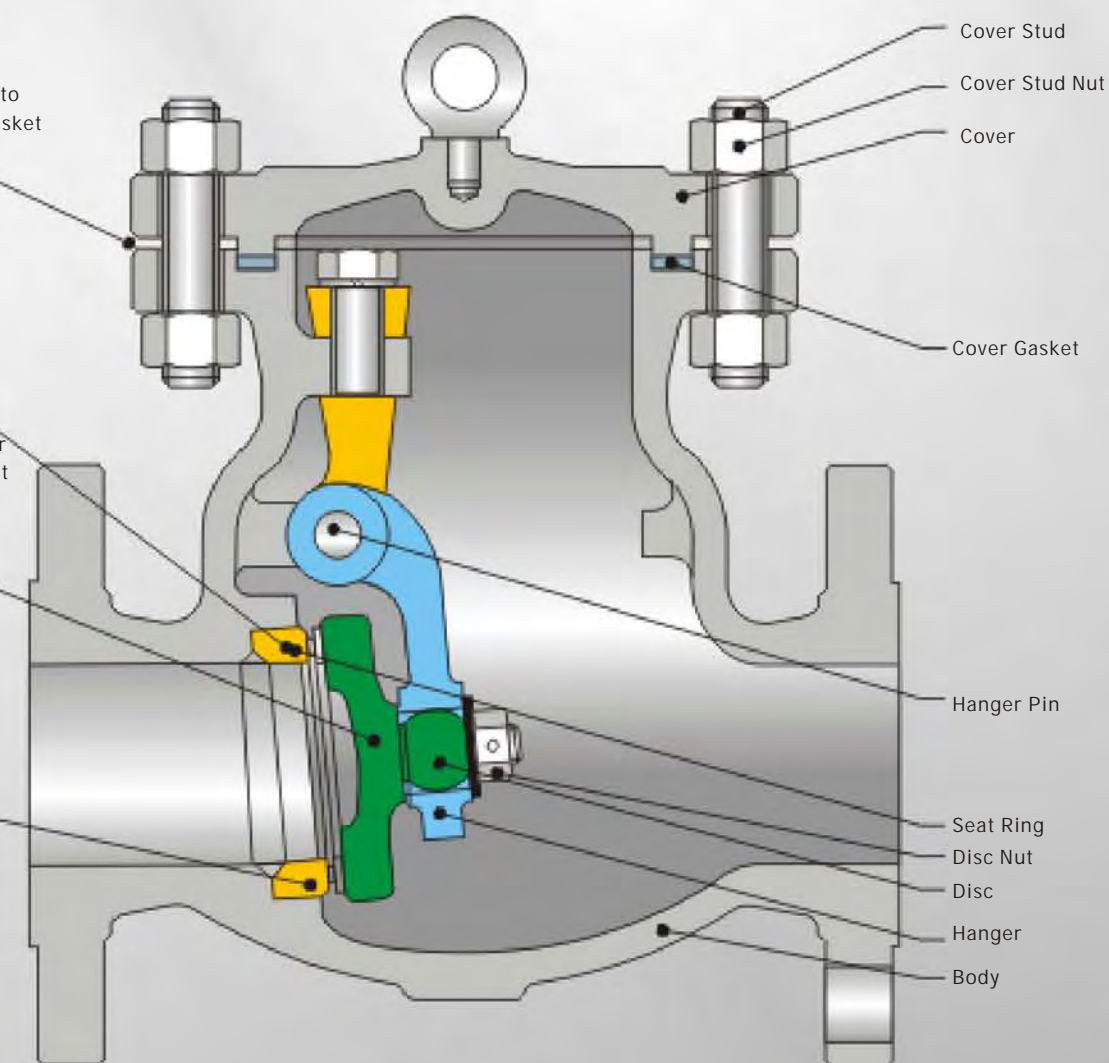


Body to Cover Joint designed to apply a uniform load to the gasket to assure a leak proof seal. Seat Rings are seal welded to provide a bubble tight joint.

Disc to Hanger connection allows the disc a controlled movement independent of the hanger to assure proper disc alignment with the seat at closure.

The connection is secured by a welded disc nut to prevent disassembly due to vibration and closure impact.

Stellited Seat Ring provides increased resistance to wear abrasion and erosion of the sealing surface.



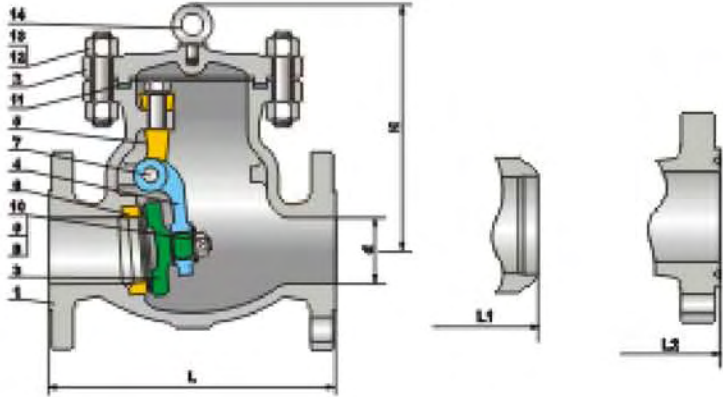
碳钢止回阀CAST STEEL CHECK VALVE

150LB/300LB/600LB/900LB/1500LB

- 技术标准Technical Standard:
- 设计标准Design STD.:BS1868,API6D,ASME/ANSI B16.34
- 结构长度Face To Face:ASME/ANSI B16.10
- 法兰连接Flange End Connection:ASME/ANSI B16.5
- 对焊连接Welded End Connection:ASME/ANSI B16.25
- 检验和测试Inspection And Test:API598
- 产品说明 Design description:
- 旋启式阀瓣Swing type disc
- 栓盖结构BB,bolted bonnet
- 水平或垂直安装Horizontal or vertical service
- 缩径或全通径Reduce port or full port

序号 No	部件名称 Part Name	材料ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMPMaterial	低温钢 Low TEMPMaterial	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
2	阀盖Bonnet	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
3	阀瓣Disc	A216-WCB+CR13	A217-WC6	A352-LCB+CR13	A351-CF8	A351-CF8M	A890-GR 4A
4	摇杆Hinge	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
5	摇臂Arm	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
6	阀座Seat Ring	A105+HF ³⁾	A182-F11+HF ³⁾	A350-LF2+HF ³⁾	A182-304+HF ³⁾	A182-316+HF ³⁾	A182-F51 ³⁾
7	横销Hinge Pin	A276-420	A276-304	A276-420	A276-304	A276-316	A182-F51
8	阀瓣垫圈Disc Washer	碳钢Carbon Steel	A276-304	碳钢Carbon Steel	A276-304	A276-316	A182-321
9	阀瓣螺母Disc Nut	A276-420	A276-304	A276-420	A276-304	A276-316	A182-321
10	阀瓣螺栓Disc Nut Pin	碳钢Carbon Steel	A276-304	碳钢Carbon Steel	A276-304	A276-316	A182-321
11	中道垫 Bonnet Gasket	石墨Graphite+ 304 ¹⁾				石墨Graphite+ 316 ¹⁾	石墨Graphite+ 321 ¹⁾
12	中道螺栓Bonnet Stud	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M+镀锌Zn
13	中道螺母Bonnet Stud Nut	A194-2H	A194-4	A194-4	A194-8	A194-8M	A194-7M+镀锌Zn
14	吊环Eyebolt	碳钢Carbon Steel					

- 备注NOTE:
- 1).150lb-600lb 使用缠绕垫片,600lb-1500lb使用金属环垫。
150lb-600lb Spiral Wound Gasket,
600lb-1500lb Ring Gasket.
- 3).碳钢类2"-6" 可供应螺纹连接或者焊接可更换阀座。
Carbon steel 2"-6" seat ring can supply threaded
renewable type or welded renewable type.
碳钢类8"及以上供应焊接可更换阀座。
Carbon steel 8"and up size seat ring supply with
welded renewable type.
不锈钢类全部为本体阀座。
Stainless steel valves all supply with body seat.



碳钢止回阀CAST STEEL CHECK VALVE

150LB/300LB/600LB/900LB/1500LB

技术参数 DIMENSIONS DATA

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	30 750	36 900	40 1000	42 1050	48 1200	in mm
ANSI Class 150lb																					
L/L1 (RF/BW)	8 203	8.5 216	9.5 241	11.5 292	14 356	19.5 495	24.5 622	27.5 699	31 787	34 864	38.5 978	38.5 978	51 1295	51 1295	57 1448	60 1524	77 1956	85 2159	89 2261	101 2566	in mm
L2 (RTJ)	8.5 216	9 229	10 254	12 305	14.5 368	20 508	25 635	28 711	31.5 800	34.5 876	349 991	39 991	51.5 1308	-	-	-	-	-	-	-	in mm
H	6 152	6.5 165	6.88 175	8 204	11.5 293	13.88 353	15.38 390	17 432	18.75 475	20.62 525	22.88 582	24.62 627	34.75 883	35.88 910	37 940	38.62 980	54.2 1377	55.5 1410	57.8 1468	64.6 1642	in mm
(d)	51	64	76	102	152	203	254	305	337	387	438	489	591	633	684	735	874	-	-	-	mm
WT (kg)	15 10	20 12	25 17	39 29	69 57	127 96	200 143	265 227	415 294	517 468	632 552	829 755	1427 831	1549 1120	1950 1838	2540 2261	3380 3310	4815 4840	5300 5275	7110 7050	RF/RTJ BW
ANSI Class 300lb																					
L/L1 (RF/BW)	10.5 267	11.5 292	12.5 318	14 256	17.5 445	21 533	24.5 622	28 711	33 838	34 864	38.5 978	40 1016	53 1346	53 1346	59 1499	62.75 1594	82 2083	96 2438	103 2617	124 3151	in mm
L2 (RTJ)	11.12 283	12.12 308	13.12 333	14.62 371	18.12 460	21.62 549	25.12 638	28.62 727	33.62 854	34.62 879	39.12 994	40.75 1035	53.88 1368	54 1372	60 1524	63.75 1619	-	-	-	-	in mm
H	6.9 176	7.3 185	8.5 216	10.2 259	12.5 317	15 380	17.1 434	20.1 511	22.1 561	23.5 596	26.6 675	28.7 730	33.9 860	36.6 930	45.8 1163	50 1270	59.4 1510	68.9 1750	73.6 1870	87.8 2230	in mm
(d)	51	64	76	102	152	203	254	305	337	387	438	489	591	641	692	743	876	-	-	-	mm
WT (kg)	21 16	30 22	39 30	60 53	127 101	193 157	309 232	445 414	612 455	778 766	958 774	1306 960	2200 1792	2850 1995	3680 2780	3880 3380	6290 5640	7050 6150	8810 8010	13000 12000	RF/RTJ BW
ANSI Class 600lb																					
L/L1 (RF/BW)	11.5 292	13 330	14 356	17 432	22 559	26 660	31 787	33 838	35 889	39 991	43 1092	47 1194	55 1397	57 1448	61 1549	65 1651	82 2082	90 2286	96 2438	100 2540	in mm
L2 (RTJ)	11.62 295	13.12 333	14.12 359	17.12 435	22.12 562	26.12 664	31.12 791	33.12 841	35.12 892	39.12 994	43.12 1095	47.25 1200	55.38 1407	57.50 1461	61.50 1562	65.50 1664	82.62 2099	-	-	-	in mm
H	7.2 184	8.3 210	9.1 232	10.4 263	14.7 374	16.8 426	20.4 517	22.4 569	24.5 622	26.8 680	29.6 752	38.4 975	43.7 1111	43.7 1111	46.9 1192	52.1 1324	60.7 1542	67 1702	70.9 1800	85.5 2171	in mm
(d)	51	64	76	102	152	203	254	305	337	387	438	489	591	641	692	743	876	-	-	-	mm
WT (kg)	28 21	43 35	52 43	98 64	199 145	349 256	594 375	814 589	1045 694	1473 932	1900 1279	2375 1702	3155 2497	3800 3100	4600 3900	5500 4700	8100 7200	8900 8100	9800 9900	15000 13600	RF/RTJ BW
ANSI Class 900lb																					
L/L1 (RF/BW)	14.5 368	-	15 381	18 457	24 610	29 737	33 838	38 965	40.5 1029	44.5 1130	48 1219	52 1321	61 1549	65 1651	69 1753	73 1854	84.9 2156	-	-	-	in mm
L2 (RTJ)	14.62 371	-	15.12 384	18.12 460	24.12 613	29.12 740	33.12 841	38.12 968	40.88 1038	44.88 1140	48.5 1232	52.5 1333	61.7 1568	65.9 1673	69.9 1775	73.9 1876	-	-	-	-	in mm
H	11.7 296	-	11.8 300	12.9 327	17.4 441	19.8 502	26.1 664	30.5 775	30.8 782	33 838	33 839	36.7 932	36.4 924	44.1 1121	54 1372	59.9 1521	71.7 1821	-	-	-	in mm
(d)	51	-	76	102	152	203	254	305	322	373	423	471	522	-	-	-	-	-	-	-	mm
WT (kg)	70 50	-	110 77	150 113	305 230	510 387	810 632	1120 901	1380 1139	1900 1613	3000 2650	4000 3550	5200 4650	6600 5630	7550 6420	8850 7510	12750 10780	-	-	-	RF/RTJ BW
ANSI Class 1500lb																					
L/L1 (RF/BW)	14.5 368	-	18.5 470	21.5 546	27.75 705	32.75 832	39 991	44.5 1130	49.5 1257	54.5 1384	60.5 1537	65.5 1664	76.5 1943	82 2083	87.5 2222.5	93 2362	-	-	-	-	in mm
L2 (RTJ)	14.62 371	-	16.62 422	18.62 473	21.62 549	28 711	33.13 842	39.38 1000	45.12 1146	50.25 1276	55.38 1407	61.4 1559	66.4 1686	77.6 1972	-	-	-	-	-	-	in mm
H	11.7 296	-	13.4 341	16.2 412	20.1 511	26.8 680	29.8 756	33.7 857	37.4 950	40.1 1020	45.2 1147	50.6 1284	60.6 1539	70.6 1794	80.7 2049	90.7 2304	-	-	-	-	in mm
(d)	51	-	76	102	144	192	239	287	315	360	-	-	-	-	-	-	-	-	-	-	mm
WT (kg)	70 50	-	150 115	245 190	550 452	1010 750	1476 1012	2280 1780	3060 2290	4500 3500	6100 5200	8000 7500	9800 8400	11600 9300	13400 10200	15200 11100	-	-	-	-	RF/RTJ BW

压力自密封止回阀PRESSURE SEAL CHECK VALVE

900LB/1500LB/2500LB

技术标准Technical Standard:

设计标准Design STD.:BS1868,API6D,ASME/ANSI B16.34

结构长度Face To Face:ASME/ANSI B16.10

法兰连接Flange End Connection:ASME/ANSI B16.5

对焊连接Welded End Connection:ASME/ANSI B16.25

检验和测试Inspection And Test:API598

产品说明 Design description:

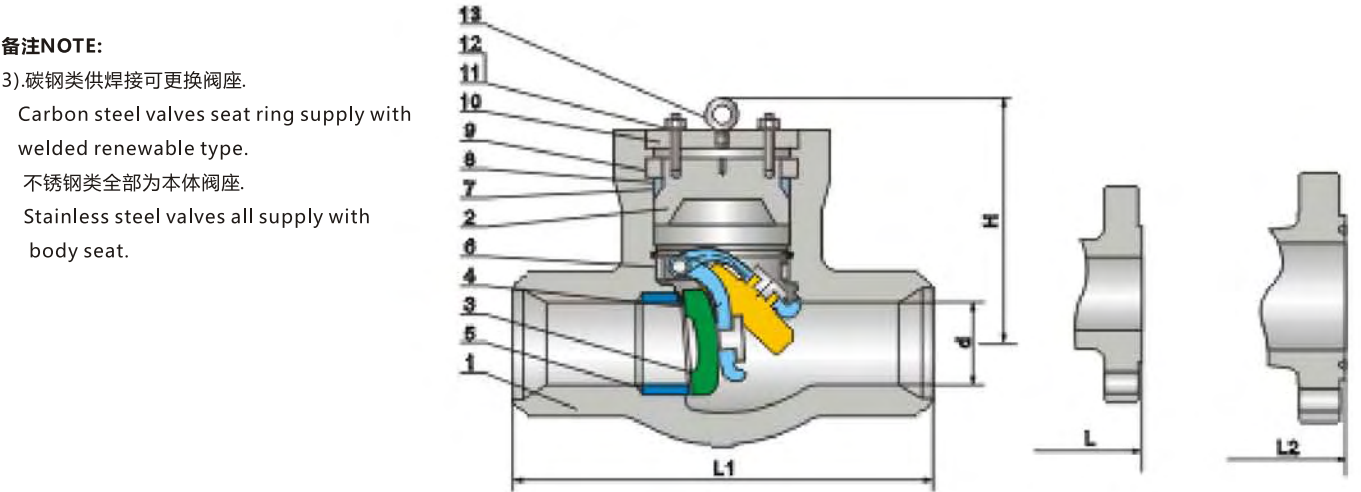
旋启式阀瓣Swing type disc

自密封结构PSB,pressure seal bonnet

水平或垂直安装Horizontal or vertical service

缩径或全通径Reduce port or full port

序号 No	部件名称 Part Name	材料ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP.Material	低温钢 Low TEMP.Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
2	支座Bonnet Clamp	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
3	阀瓣Disc	A216-WCB+CR13	A217-WC6+HF	A352-LCB+CR13	A351-CF8+HF	A351-CF8M+HF	A890-GR 4A
4	摇杆Hinge	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
5	阀座Seat Ring	A105+HF ³⁾	A182-F11+HF ³⁾	A350-LF2+HF ³⁾	A182-304+HF ³⁾	A182-316+HF ³⁾	A182-F51 ³⁾
6	横销Hinge Pin	A276-420	A276-304	A276-420	A276-304	A276-316	A182-F51
7	中道垫Bonnet Gasket	304SS Ring			304SS Ring	316SS Ring	F51 Ring
8	压环Adapter Ring	碳钢Carbon Steel	A276-420	碳钢Carbon Steel	A182-304	A182-316	A182-321
9	四开环Retainer	碳钢Carbon Steel	A276-420	碳钢Carbon Steel	A182-304	A182-316	A182-321
10	阀盖Bonnet Cover	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
11	中道螺栓Bonnet Stud	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M+镀锌Zn
12	中道螺母Bonnet Stud Nut	A194-2H	A194-4	A194-4	A194-8	A194-8M	A194-7M+镀锌Zn
13	吊环Eyebolt	碳钢Carbon Steel					



压力自密封止回阀PRESSURE SEAL CHECK VALVE

900LB/1500LB/2500LB

技术参数 DIMENSIONS DATA

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	30 750	36 900	in mm
ANSI Class 900lb																		
L1 (BW)	8.5 216	10 254	12 305	14 356	20 508	26 660	31 787	36 914	39 991	43 1092	48 1219	52 1321	61 1549	63 1600	67 1702	71 1803	-	in mm
L (RF)	14.5 368	16.5 419	15 381	18 457	24 610	29 737	33 838	38 965	40.5 1029	44.5 1130	48 1219	52 1321	61 1549	63 1600	67 1702	71 1803	-	in mm
L2 (RTJ)	14.62 371	16.62 422	15.12 384	18.12 460	24.12 613	29.12 740	33.12 841	38.12 968	40.88 1038	44.88 1140	48.5 1232	52.51 1334	61.73 1568	-	-	-	-	in mm
H	9.5 240	9.5 240	10 255	13.38 340	15.75 400	18.12 460	21.62 550	24 610	27 685	29.5 750	33.97 863	36.96 939	41.96 1066	45 1143	46.96 1193	50 1270	-	in mm
(d)	47	57	72	98	146	190	238	282	311	355	400	444	533	-	-	-	-	mm
WT (kg)	70 50	100 68	110 77	150 113	305 230	510 387	810 632	1120 901	1380 1139	1900 1613	3000 2650	4000 3550	5200 4650	6600 5630	7550 6420	8850 7510	-	RF/RTJ BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	30 750	36 900	in mm
ANSI Class 1500lb																		
L1 (BW)	8.5 216	10 254	12 305	16 406	22 559	28 711	34 864	39 991	42 1067	47 1194	53 1346	58 1473	76.49 1943	-	-	-	-	in mm
L (RF)	14.5 368	16.5 419	18.5 470	21.5 546	27.75 705	32.75 832	39 991	44.5 1130	49.5 1257	54.5 1384	60.51 1537	65.51 1664	76.49 1943	-	-	-	-	in mm
L2 (RTJ)	14.62 371	16.62 422	18.62 473	21.62 549	28 711	33.12 841	39.38 1000	45.12 1146	50.25 1276	55.38 1407	61.37 1559	66.37 1686	77.63 1972	-	-	-	-	in mm
H	9.5 241	10.4 264	10.8 274	12.5 318	16.6 422	18.9 479	23.3 591	25.4 645	28 711	29.5 749	34.63 880	37.38 949	43.25 1099	-	-	-	-	in mm
(d)	47	57	69	92	136	177	222	263	288	330	371	415	498	-	-	-	-	mm
WT (kg)	70 50	100 77	150 115	245 190	550 452	1010 750	1476 1012	2280 1780	3060 2290	4500 3500	6100 5200	8000 7500	9800 8400	-	-	-	-	RF/RTJ BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	30 750	36 900	in mm
ANSI Class 2500lb																		
L1 (BW)	11 279	13 330	14.5 368	18 457	24 610	30 762	36 914	41 1041	44 1118	49 1245	55 1397	61 1549	68 1727	-	-	-	-	in mm
L (RF)	17.8 451	20 508	22.8 578	26.5 673	36 914	40.3 1022	50 1270	56 1422	-	-	-	-	-	-	-	-	-	in mm
L2 (RTJ)	17.8 451	20 508	22.8 578	26.5 673	36 914	40.3 1022	50 1270	56 1422	-	-	-	-	-	-	-	-	-	in mm
H	9.6 245	10.4 264	10.6 270	12.5 318	17.8 451	22 559	22.7 576	25.8 656	33.88 860	35.38 899	39.38 1000	45.25 1149	55.13 1400	-	-	-	-	in mm
(d)	47	57	69	92	136	177	222	263	288	330	371	415	498	-	-	-	-	mm
WT (kg)	145 110	240 190	260 330	650 535	806 665	2420 1980	3750 2980	5500 4350	7400 6200	9010 8250	11200 9400	12700 11890	14000 13000	-	-	-	-	RF/RTJ BW

对夹止回阀 WAFER CHECK VALVE

150LB/300LB/600LB/900LB/1500LB

技术标准Technical Standard:

设计标准Design STD.:API594,ASME/ANSI B16.47

结构长度Face To Face:ASME/ANSI B16.10

法兰连接Flange End Connection:ASME/ANSI B16.5

检验和测试Inspection And Test:API598

产品说明 Design description:

一体式One piece body

蝶式旋启Butterfly swing type

双瓣Dual-plate disc,long-pattern

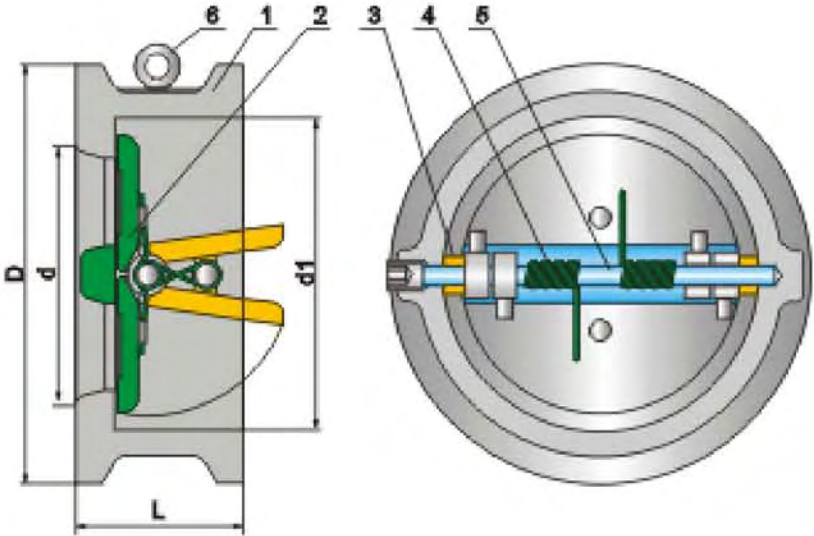
可更换瓣Renewable split disc

水平或垂直安装Horizontal or vertical service

对夹式Wafer ends

可供法兰连接Available with flanged ends

序号 No	部件名称 Part Name	材料 ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP.Material	低温钢 Low TEMP.Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
2	阀板Plate	A216-WCB+CR13	A217-WC6+HF	A352-LCB+CR13	A351-CF8+HF	A351-CF8M+HF	A890-GR 4A
3	定位销Stop Pin	A276-420	A276-304	A276-420	A276-304	A276-316	A182-F51
4	弹簧Spring	英科耐尔Inconel					
5	销轴Hinge Pin	A276-420	A276-304	A276-420	A276-304	A276-316	A182-F51
6	吊环Eyebolt	碳钢Carbon Steel					



对夹止回阀 WAFER CHECK VALVE

150LB/300LB/600LB/900LB

技术参数 DIMENSIONS DATA

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	in mm
ANSI Class 150lb														
L	2.38 60	2.62 67	2.88 73	2.88 73	3.88 98	5 127	5.75 146	7.12 181	7.25 184	7.5 191	8 203	8.62 219	8.74 222	in mm
D	4 103	4.88 122	5.38 135	6.75 173	8.62 220	10.88 277	13.25 337	16 407	17.62 448	20.12 512	21.5 547	23.75 604	28.12 715	in mm
d	2 51	2.5 65	3.25 80	4 102	6 152	8 203	10 254	12 305	13.75 350	15.75 400	17.75 450	19.75 500	23.62 600	in mm
d1	2.25 56	2.88 73	3.5 88	4.25 108	6.25 160	8.25 210	10.5 266	12.12 310	14 355	16 405	18 455	19.88 505	23.75 605	in mm
WT (kg)	2	3	4	6	13	25	39	54	80	117	138	163	331	mm

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	in mm
ANSI Class 300lb														
L	2.38 60	2.62 67	2.88 73	2.88 73	3.88 98	5 127	5.75 146	7.12 181	8.75 222	9.12 232	10.38 264	11.5 292	12.5 318	in mm
D	4.25 110	5 128	5.75 147	7 179	9.88 249	12 305	14.12 359	16.5 420	19 483	21.12 537	23.38 594	25.62 652	30.38 772	in mm
d	2 51	2.5 65	3 80	4 102	6 152	8 203	10 254	12 305	14 350	16 400	18 450	20 500	24 600	in mm
d1	2.25 58	2.88 73	3.5 88	4.25 108	6.38 160	8.25 210	10.5 266	12.25 310	14 355	16 405	18 455	20 505	24 608	in mm
WT (kg)	3	4	6	8	18	30	50	75	115	190	200	260	410	mm

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	in mm
ANSI Class 600lb														
L	2.38 60	2.62 67	2.88 73	3.11 79	5.35 136	6.5 165	8.39 213	9 229	10.75 273	12 305	14.25 362	14.5 368	17.24 438	in mm
D	4.25 110	5 128	5.75 143	7.52 191	9.41 239	12.52 318	15.7 398	17.9 455	19.29 490	22.12 562	24 610	26.77 680	30.9 786	in mm
d	2 51	2.5 65	3 80	4 102	6 152	7.87 200	9.84 250	12 305	13.27 337	15.24 387	17.24 438	19.25 489	23.27 591	in mm
d1	2.25 58	2.88 73	3.5 88	4.25 108	6.38 162	8.35 212	10.5 266	12.28 312	14 355	15.75 400	17.72 450	19.69 500	23.62 600	in mm
WT (kg)	4	5	8	11	25	50	90	140	220	360	380	510	830	mm

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	in mm
ANSI Class 900lb														
L	2.76 70	3.27 83	3.27 83	4.02 102	6.26 159	8.11 206	9.49 241	11.50 292	14 356	15.12 384	17.76 451	17.76 451	19.49 495	in mm
D	5.51 140	6.38 162	6.5 165	8.03 204	11.26 286	14 356	17 432	19.5 495	20.39 518	22.52 572	25 635	27.36 695	32.87 835	in mm
d	2 51	2.5 65	3 80	4 102	5.9 150	7.87 200	9.84 250	12 305	13.27 337	15.24 387	17.24 438	19.17 487	23.27 591	in mm
d1	2.25 58	2.88 73	3.54 90	4.25 108	6.38 162	8.35 212	10.5 266	12.28 312	14 355	15.75 400	17.72 450	19.53 496	23.62 600	in mm
WT (kg)	8	10	14	20	40	80	140	220	350	470	600	820	1050	mm

过滤器STRAINER

150LB/300LB/600LB/900LB/1500LB

技术标准Technical Standard:

设计标准Design STD.:ASME/ANSI B16.34

结构长度Face To Face:ASME/ANSI B16.10

法兰连接Flange End Connection:ASME/ANSI B16.5

对焊连接Welded End Connection:ASME/ANSI B16.25

检验和测试Inspection And Test:API598

产品说明 Design description:

“Y” 型Y-pattern type

栓盖结构带堵头Bolted bonnet cap with drain plug

不锈钢滤网Stainless steel screen

根据100目设计Strainer density 100 mesh design

可更换滤网Renewable strainer density

法兰或对焊连接Flanged or butt welding ends

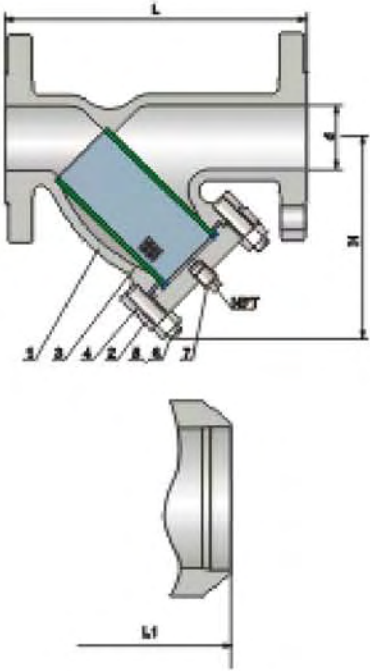
序号 No	部件名称 Part Name	材料 ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP.Material	低温钢 Low TEMP.Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	体Body	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
2	盖Bonnet Cap	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
3	滤网Screen	A240-304	A240-304	A240-304	A240-304	A240-316	A240-321
4	垫片Bonnet Gasket					PTFE	PTFE
5	螺栓Bonnet Stud	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M+镀锌Zn
6	螺母Bonnet Stud Nut	A194-2H	A194-4	A194-4	A194-8	A194-8M	A194-7M+镀锌Zn
7	堵头Plug	A276-410	A276-410	A276-410	A276-304	A276-316	A182-F51

Percentage Open Area

MEH	A SWG	B m/m	C m/m	D %
2	20	0.914	4.168	67.3
10	22	0.711	1.829	51.8
20	28	0.356	0.914	51.8
30	32	0.274	0.572	45.7
40	36	0.193	0.442	48.4
50	37	0.172	0.336	43.6
60	38	0.152	0.271	41
80	40	0.122	0.195	37.8
100	42	0.102	0.152	35.8
120	43	0.092	0.119	31.8
150	451/2	0.066	0.103	37.1
180	461/2	0.053	0.088	38.9
200	47	0.051	0.076	35.8
250	48	0.04	0.062	37.7
300	48	0.039	0.044	27.6

Even the"MESH"is same;
OPEN AREA is always same
Due to the diameter of wire
The details of wire as follow

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



过滤器STRAINER

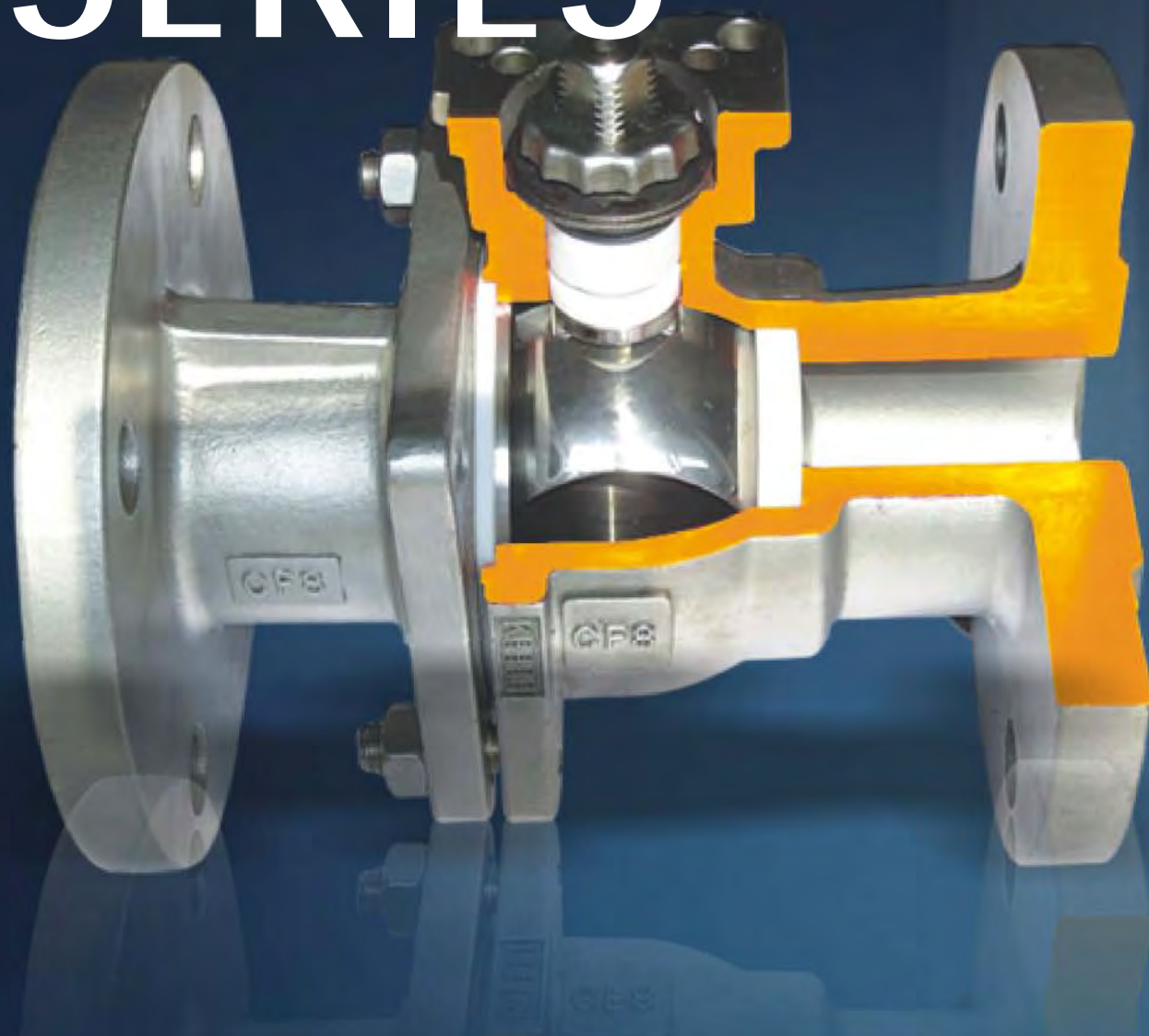
150LB/300LB

技术参数 DIMENSIONS DATA

英寸NPS 口径DN	1 /2 15	3 /4 20	1 25	1-1/2 40	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	in mm
ANSI Class 150lb													
L (RF)	120	130	150	190	220	270	290	350	440	540	760	870	mm
H	67	73	87	123	147	180	198	234	314	400	512	581	mm
PLUG (NPT)	1/8	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	3/4	1	1	mm
WT (kg)	2	2	3	5	13	15	18	22	50	91	205	297	RF/RTJ

英寸NPS 口径DN	1 /2 15	3 /4 20	1 25	1-1/2 40	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	in mm
ANSI Class 300lb													
L (RF)	160	160	190	240	250	300	320	380	550	600	760	870	mm
H	95	110	120	155	184	236	266	340	456	560	730	875	mm
PLUG (NPT)	1/8	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	3/4	1	1	mm
WT (kg)	3	4	5	9	16	20	24	30	70	115	270	380	RF/RTJ

BALL VALVE SERIES



BALL VALVE, CS, FL

Design

WINDMILL cast steel ball valve are designed and manufactured to provide maximum service life and dependability. All gate valves are full ported and meet the design requirements of American petroleum Institute Standard API 600 & API 6D, British Standard BS 5351 and generally conform to American Society of Mechanical Engineers Standard ASME B 16.34. Valves are available in a complete range of body/bonnet materials and trims.

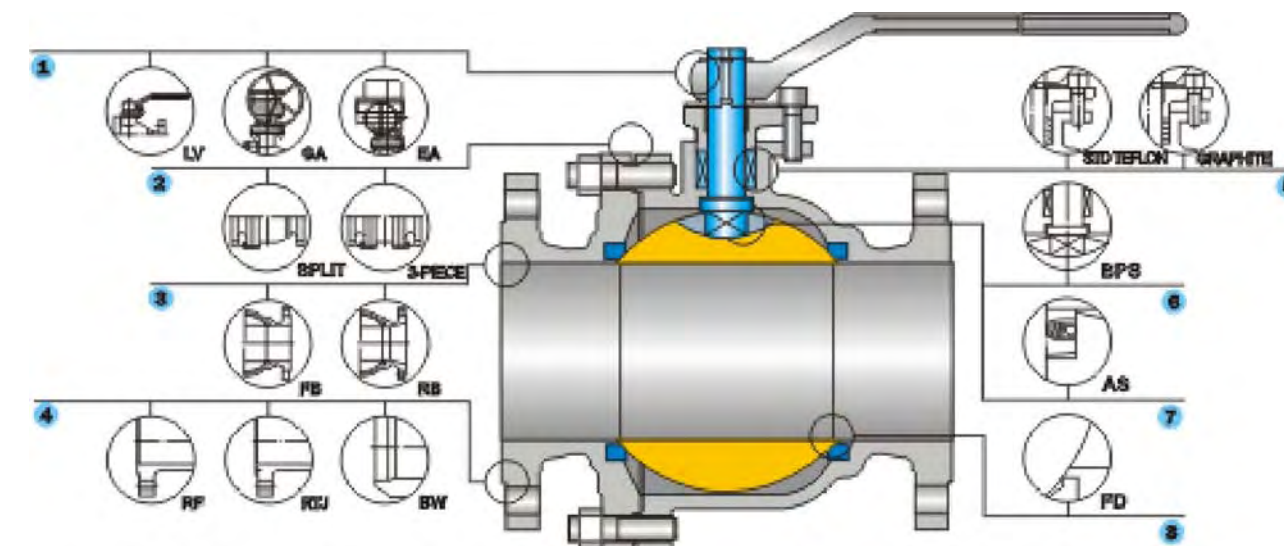
Range of Materials

Standard body/bonnet materials include nine grades of carbon, low alloy and stainless steels. For special applications they can be supplied in other grades of alloy and stainless steel. There is a full range of trim materials to match any service. Optional packing and gasket materials are available for a full range of service conditions.

Available Modifications For WINDMILL Cast Steel Valves

- * Trim changes
- * End connection Modifications
- * Packing and Gasket Changes
- * Operator Mounting
- * Handwheel Extensions

- * Pressure Equalizing
- * AS or FD
- * Customer specified Coatings
- * Weld End Bore Changes
- * Oxygen & Chlorine Cleaning & Packaging



1 Operating

Extended lever for easy operation. Also available with gearing, motor actuators, pneumatic or hydraulic actuators for more difficult services.

3 BORE

Full Bore or Reduced Bore. Full-bore design provides exceptional flow control

5 Packing

STD Packing Multiple V-TEFLON packing, combined with live loading, maintains packing compression under high-cycle and severe service applications. Graphite packing use situation for high-temperature.

7 AS

Anti Static. A metallic contact is always granted between ball and stem/ body to discharge eventual statics build-up during service.

2 BODY & BONNET

Split or 3-piece, split body & bonnet for 12" & Small. Disassembles easily for repair or replacement of internal components.

4 End Connections

A choice of Flanged, RTJ flanged or Buttwelding end for piping flexibility

6 BPS

Blow-out Proof Stem. A pressure-safe stem shoulder design that protects against failure under excess pressure.

8 FD

Fire Durable. Designed to API 607 or BS 6755 to grant their operation suitability in case of fire. Secondary metal-to-metal seal acts as backup if primary seal is destroyed by fire. Valves ordered for compliance with API 607 will be provided with graphite packing

BALL VALVE,CS,TM

Design

WINDMILL cast steel ball valve are designed and manufactured to provide maximum service life and dependability. All gate valves are full ported and meet the design requirements of American petroleum Institute Standard API 600 & API 6D, British Standard BS 5351 and generally conform to American Society of Mechanical Engineers Standard ASME B 16.34. Valves are available in a complete range of body/bonnet materials and trims.

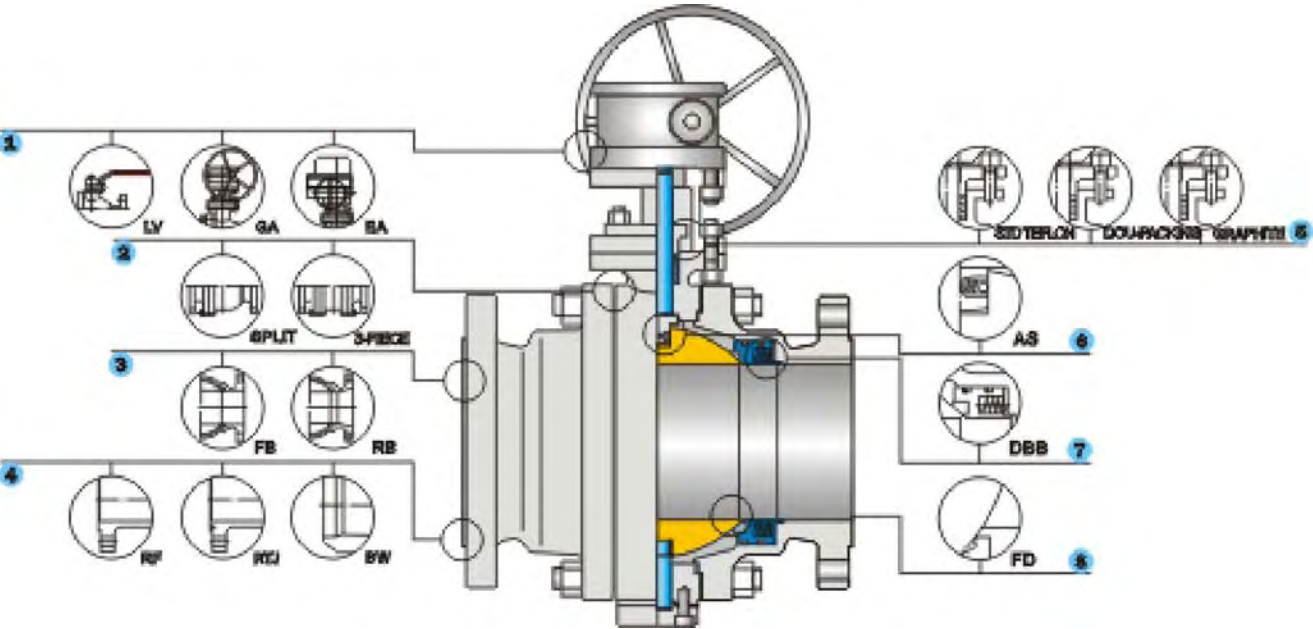
Available Modifications For **WINDMILL** Cast Steel Valves

- * Trim changes
- * End connection Modifications
- * Packing and Gasket Changes
- * Operator Mounting
- * Handwheel Extensions

Rang of Materials

Standard body/bonnet materials include nine grades of carbon, low alloy and stainless steels. For special apolications they can be supplied in other grades of alloy and stainless steel. There’ s a full range of trim materials to match any service. Optional packing and gasket materials are available for a full range of service conditions.

- * Pressure Equalizing
- * AS or FD
- * Customer specified Coatings
- * Weld End Bore Changes
- * Oxygen & Chlorine Cleaning & Packaging



1 Operating

Extended lever for easy operation. Also available with gearing, motor actuators, pneumatic or hydraulic actuators for more difficult services.

2 BODY & BONNET

Split or 3-piece, split body & bonnet for 12 " & Small. Disassembles easily for repair or replacement of internal components.

3 BORE

Full Bore or Reduced Bore. Full-bore design provides exceptional flow control

4 End Connections

A choice of Flanged, RTJ flanged or Buttwelding end for piping flexibility

5 Packing

STD Packing Multiple V-TEFLON packing, combined with live loading, maintains packing compression under high-cycle and severe service applications. Graphite packing use situation for high-temperature.

6 AS

Anti Static. A metallic contact is always granted between ball and stem/ body to discharge eventual statics build-up during service.

7 DDB

Double Block & Bleed, The body cavity is isolated when the ball is in either fully closed or fully opened position. The medium entrapped in it can easily be bled to avoid over pressure.

8 FD

Fire Durable. Designed to API 607 or BS 6755 to grant their operation suitability in case of fire. Secondary metal-to-metal seal acts as backup if primary seal is destroyed by fire. Valves ordered for compliance with API 607 will be provided with graphite packing and gaskets.

BALL VALVE,FS,FL

Design

WINDMILL cast steel ball valve are designed and manufactured to provide maximum service life and dependability. All gate valves are full ported and meet the design requirements of American petroleum Institute Standard API 600 & API 6D, British Standard BS 5351 and generally conform to American Society of Mechanical Engineers Standard ASME B 16.34. Valves are available in a complete range of body/bonnet materials and trims.

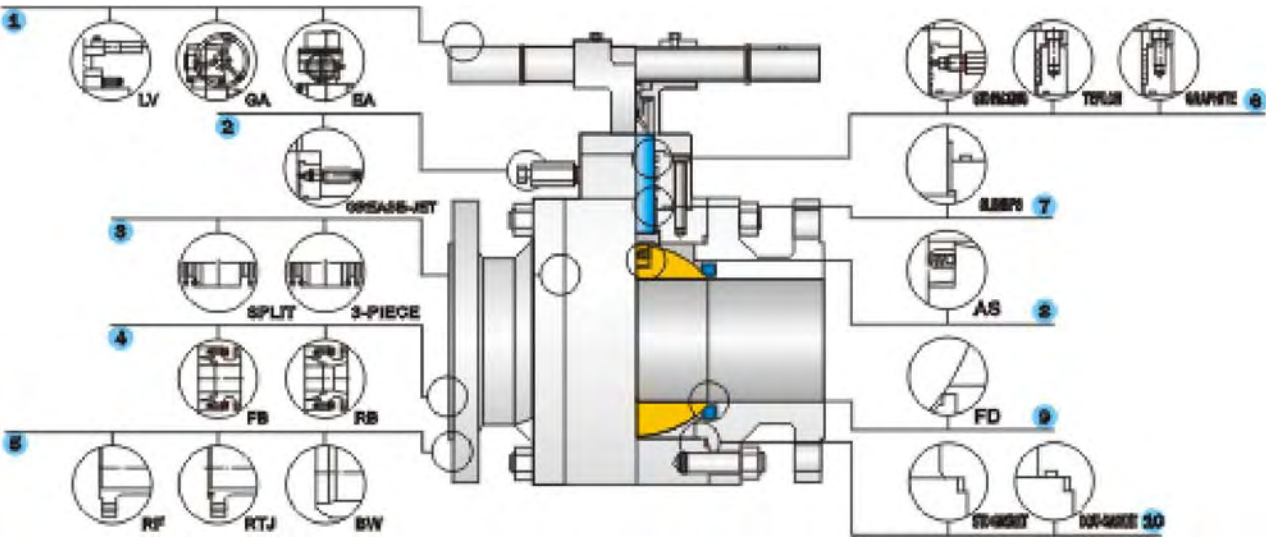
Available Modifications For **WINDMILL** Cast Steel Valves

- * Trim changes
- * End connection Modifications
- * Packing and Gasket Changes
- * Operator Mounting
- * Handwheel Extensions

Rang of Materials

Standard body/bonnet materials include nine grades of carbon, low alloy and stainless steels. For special apolications they can be supplied in other grades of alloy and stainless steel. There’ s a full range of trim materials to match any service. Optional packing and gasket materials are available for a full range of service conditions.

- * Pressure Equalizing
- * AS or FD
- * Customer specified Coatings
- * Weld End Bore Changes
- * Oxygen & Chlorine Cleaning & Packaging



1 Operating

Extended lever for easy operation. Also available with gearing, motor actuators, pneumatic or hydraulic actuators for more difficult services.

3 BODY & BONNET

Split or 3-piece, split body & bonnet for 8 " & Small. Disassembles easily for repair or replacement of internal components.

5 End Connections

A choice of Flanged, RTJ flanged or Buttwelding end for piping flexibility

7 SLB

Self-Lubrication Bearing. Non-maintenance, easy operation, low torque and longer life.

BPS

Blow-out Proof Stem. A pressure-safe stem shoulder design that protects against failure under excess pressure.

9 FD

Fire Durable. Designed to API 607 or BS 6755 to grant their operation suitability in case of fire. Secondary metal-to-metal seal acts as backup if primary seal is destroyed by fire. Valves ordered for compliance with API 607 will be provided with graphite packing and gaskets.

2 Grease-Jet Joint

Installed in prescriptive part accord with the apply and satisfied with ecumenical situations and realize seal in spot with maintenance easily.

4 BORE

Full Bore or Reduced Bore. Full-bore design provides exceptional flow control.

6 Packing

STD Packing adopt high-performance rubber seal ring, STD Packing and TEFLON use situation for smooth pressure. With snapping apply high-pressure situation. Graphite packing use situation for high-temperature.

8 AS

Anti Static. A metallic contact is always granted between ball and stem/ body to discharge eventual statics build-up during service.

10 GASKET

STD Gasket or Dou-Gasket STD Gasket adopt high-performance rubber seal ring. DOU-Gasket adopt high-performance rubber seal ring and spiral wound graphite.

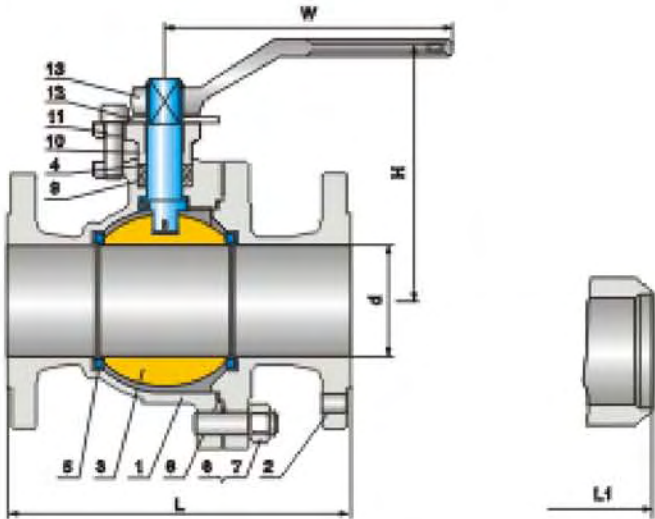
铸钢浮动式球阀CS FLOATING TYPE BALL VALVE

150LB/300LB/600LB

技术标准Technical Standard:
设计标准Design STD.:API6D,BS5351,ASME/ANSI B16.34
结构长度Face To Face:ASME/ANSI B16.10
法兰连接Flange End Connection:ASME/ANSI B16.5
对焊连接Welded End Connection:ASME/ANSI B16.25
防火标准Fire Safe:API607
检验和测试Inspection And Test:API598/API6D

产品说明 Design description:
全口径设计Full port design
栓盖结构BB,bolted bonnet,split body
浮动式Floating ball type
防吹出阀杆Blow-out proof stem
耐火结构Fire durable construction
防静电Anti static device
ISO5211连接盘ISO5211 mounting pad
法兰或对焊连接Flanged or butt welding ends
可供蜗轮操作Available with BG operator

序号 No	部件名称 Part Name	材料 ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP.Material	低温钢 Low TEMP.Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
2	阀盖Bonnet	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
3	球Ball	A105+ENP	A182-F11+ENP	A350-LF2+ENP	A182-304	A182-316	A182-F51
4	阀杆Stem	A182-F6a	A182-F11	A182-F6a	A182-F304	A182-F316	A182-F51
5	阀座Seat Ring	R.PTFE					
6	中道垫Bonnet Gasket	石墨Graphite+304			PTFE		
7	中道螺栓Bonnet Stud	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M+镀锌ZnZn
8	中道螺母Bonnet Stud Nut	A194-2H	A194-4	A194-4	A194-8	A194-8M	A194-7M+镀锌ZnZn
9	填料Packing	PTFE					
10	填料压板Gland Flange	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
11	螺钉Gland Bolt	A193-B7	A193-B8	A193-B7	A193-B8	A193-B8	A193-B8
12	定位片Stop Plate	碳钢Carbon Steel	碳钢Carbon Steel	碳钢Carbon Steel	碳钢Carbon Steel+镀锌Zn	碳钢Carbon Steel+镀锌Zn	碳钢Carbon Steel+镀锌Zn
13	手柄Handle	碳钢Carbon Steel					



铸钢浮动式球阀CS FLOATING TYPE BALL VALVE

150LB/300LB/600LB

技术参数 DIMENSIONS DATA

英寸NPS 口径DN	1 /2 15	3 /4 20	1 25	1-1/2 40	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	-	in mm
ANSI Class 150lb														
L (RF)	4.25 108	4.62 117	5 127	6.5 165	7 178	7.5 190	8 203	9 229	15.5 394	18 457	21 533	24 610	-	in mm
L1 (BW)	5.5 140	6 152	6.5 165	7.5 190	8.5 216	9.5 241	11.12 283	12 305	18 457	20.5 521	22 559	25 635	-	in mm
H	2.12 55	2.12 55	2.75 70	3.5 90	4.12 105	6.12 155	7.25 185	8 205	10 255	11 280	13.5 345	16.5 420	-	in mm
(d)	14	19	25	38	51	64	76	102	152	203	254	303	-	mm
W	5 130	5 130	6 160	8 200	14 350	16 400	20 500	20 500	24 600	32 800	32 800	32 800	-	in mm
WT (kg)	3 1.8	4 2.8	5 3.7	7 6.2	12 8.5	18 14	24 19	38 33	98 93	170 160	225 200	295 280	-	RF/RTJ BW

英寸NPS 口径DN	1 /2 15	3 /4 20	1 25	1-1/2 40	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	-	in mm
ANSI Class 300lb														
L (RF)	5.5 140	6 152	6.5 165	7.5 190	8.5 216	9.5 241	11.12 283	12 305	15.88 403	19.75 502	22.38 568	25.5 648	-	in mm
L1 (BW)	5.5 140	6 152	6.5 165	7.5 190	8.5 216	9.5 241	11.12 283	12 305	18 457	20.5 521	22 559	25 635	-	in mm
H	2.12 55	2.12 55	2.75 70	3.5 90	4.12 105	6.12 155	7.25 185	8 205	10 255	11 280	13.5 345	16.5 420	-	in mm
(d)	14	19	25	38	51	64	76	102	152	203	254	303	-	mm
W	5 130	5 130	6 160	8 200	14 350	16 400	20 500	20 500	24 600	32 800	32 800	32 800	-	in mm
WT (kg)	3 1.8	5 2	6 3.42	11 5.5	16 8.7	24 15	34 18	56 36	125 85	222 152	285 182	360 232	-	RF/RTJ BW

英寸NPS 口径DN	1 /2 15	3 /4 20	1 25	1-1/2 40	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	-	in mm
ANSI Class 600lb														
L (RF)	6.5 165	7.5 190	8.5 216	9.5 241	11.5 292	13 330	14 356	17 432	22 559	-	-	-	-	in mm
L1 (BW)	-	-	-	-	11.62 295	13.12 333	14.12 359	17.12 435	22.12 562	-	-	-	-	in mm
H	2.38 61.5	2.38 61.5	3 78	4 101	4.75 120	6.88 174	8.38 212	9.25 234	11.38 289	-	-	-	-	in mm
(d)	14	19	25	38	51	64	76	102	152	-	-	-	-	mm
W	5 130	6 160	8 200	14 350	16 400	20 500	24 600	24 600	32 800	-	-	-	-	in mm
WT (kg)	5 3.3	7 4.5	9 7.2	13.5 8	25 19	42 31	56 39	85 71	180 153	-	-	-	-	RF/RTJ BW

锻钢浮动式球阀 FS FLOATING TYPE BALL VALVE

150LB/300LB/600LB

技术标准Technical Standard:

设计标准Design STD.:API6D,BS5351,ASME/ANSI B16.34

结构长度Face To Face:ASME/ANSI B16.10

法兰连接Flange End Connection:ASME/ANSI B16.5

对焊连接Welded End Connection:ASME/ANSI B16.25

防火标准Fire Safe:API607

检验和测试Inspection And Test:API598/API6D

产品说明 Design description:

全通径设计Full port design

栓盖结构BB,bolted bonnet,split body

浮动式 Floating ball type

防吹出阀杆Blow-out proof stem

耐火结构Fire durable construction

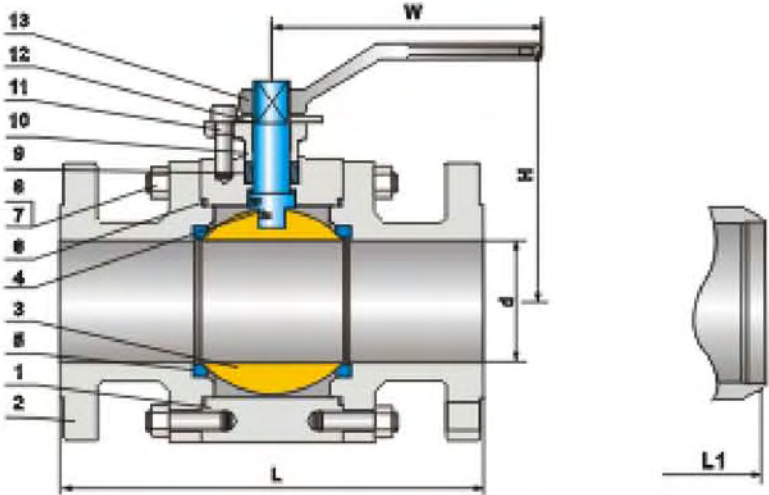
防静电Anti static device

ISO5211连接盘ISO5211 mounting pad

法兰或对焊连接Flanged or butt welding ends

可供蜗轮操作Available with BG operator

序号 No	部件名称 Part Name	材料 ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP.Material	低温钢 Low TEMP.Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A105	A182-F11	A350-LF2	A182-304	A182-316	A182-F51
2	阀盖Bonnet	A105	A182-F11	A350-LF2	A182-304	A182-316	A182-F51
3	球Ball	A105+ENP	A182-F11+ENP	A350-LF2+ENP	A182-304	A182-316	A182-F51
4	阀杆Stem	A182-F6a	A182-F11	A182-F6a	A182-F304	A182-F316	A182-F51
5	阀座Seat Ring	R.PTFE					
6	中道垫Bonnet Gasket		石墨Graphite+304			PTFE	
7	中道螺栓Bonnet Stud	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M+Zn
8	中道螺母Bonnet Stud Nut	A194-2H	A194-4	A194-4	A194-8	A194-8M	A194-7M+Zn
9	填料Packing	PTFE					
10	填料压板Gland Flange	A105	A182-F11	A350-LF2	A182-304	A182-316	A182-F51
11	螺钉Gland Bolt	A193-B7	A193-B8	A193-B7	A193-B8	A193-B8	A193-B8
12	定位片Stop Plate	碳钢Carbon Steel	碳钢Carbon Steel	碳钢Carbon Steel	碳钢Carbon Steel+镀锌Zn	碳钢Carbon Steel+镀锌Zn	碳钢Carbon Steel+镀锌Zn
13	手柄Handle	碳钢Carbon Steel					



锻钢浮动式球阀 FS FLOATING TYPE BALL VALVE

150LB/300LB/600LB

技术参数 DIMENSIONS DATA

英寸NPS 口径DN	1/2 15	3/4 20	1 25	1-1/2 40	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	-	in mm
ANSI Class 150lb														
L (RF)	4.25 108	4.62 117	5 127	6.5 165	7 178	7.5 190	8 203	9 229	15.5 394	18 457	21 533	24 610	-	in mm
L1 (BW)	5.5 140	6 152	6.5 165	7.5 190	8.5 216	9.5 241	11.12 283	12 305	18 457	20.5 521	22 559	25 635	-	in mm
H	2.12 55	2.12 55	2.5 65	3.38 85	4 100	6 150	7 180	9.25 235	9.88 250	11 280	12.62 320	15.38 390	-	in mm
(d)	13	19	25	38	49	62	74	100	150	201	252	303	-	mm
W	8 200	8 200	12 300	12 300	16 400	16 400	24 600	24 600	24 600	32 800	32 800	32 800	-	in mm

英寸NPS 口径DN	1/2 15	3/4 20	1 25	1-1/2 40	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	-	in mm
ANSI Class 300lb														
L (RF)	5.5 140	6 152	6.5 165	7.5 190	8.5 216	9.5 241	11.12 283	12 305	15.88 403	19.75 502	22.88 568	25.5 648	-	in mm
L1 (BW)	5.5 140	6 152	6.5 165	7.5 190	8.5 216	9.5 241	11.12 283	12 305	18 457	20.5 521	22 559	25 635	-	in mm
H	2.12 55	2.12 55	2.5 65	3.38 85	4 100	6 150	7 180	9.25 235	9.88 250	11 280	12.62 320	15.38 390	-	in mm
(d)	13	19	25	38	49	62	74	100	150	201	252	303	-	mm
W	8 200	8 200	12 300	12 300	16 400	16 400	24 600	24 600	24 600	32 800	32 800	32 800	-	in mm

英寸NPS 口径DN	1/2 15	3/4 20	1 25	1-1/2 40	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	-	in mm
ANSI Class 600lb														
L (RF)	6.5 165	7.5 190	8.5 216	9.5 241	11.5 292	13 330	14 356	17 432	22 559	-	-	-	-	in mm
L1 (BW)	-	-	-	-	11.62 295	13.12 333	14.12 359	17.12 435	22.12 562	-	-	-	-	in mm
H	2.25 58	2.25 58	2.62 68	3.5 89	4.12 105	6.25 158	7.5 190	9.75 247	10.38 262	-	-	-	-	in mm
(d)	13	19	25	38	49	62	74	100	150	-	-	-	-	mm
W	8 200	12 300	12 300	16 400	16 400	24 600	24 600	24 600	32 800	-	-	-	-	in mm

铸钢固定式球阀 CS TRUNNION TYPE BALL VALVE

150LB/300LB/600LB/900LB

产品说明 Design description:

全通径设计Full port design

栓盖结构BB,bolted bonnet,split body

固定式 Trunnion ball type

防吹出阀杆Blow-out proof stem

耐火结构Fire durable construction

防静电Anti static device

ISO5211连接盘ISO5211 mounting pad

法兰或对焊连接Flanged or butt welding ends

可供蜗轮操作Available with BG operator

技术标准Technical Standard:

设计标准Design STD.:API6D,BS5351,ASME/ANSI B16.34

结构长度Face To Face:ASME/ANSI B16.10

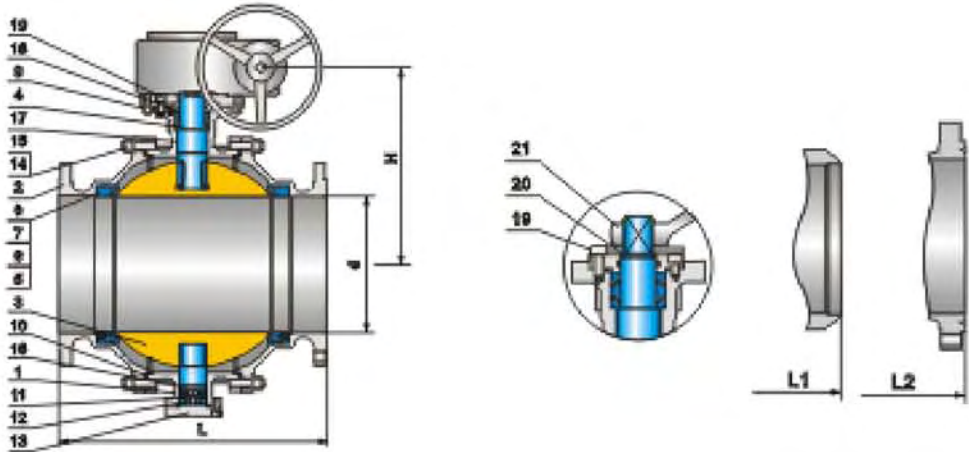
法兰连接Flange End Connection:ASME/ANSI B16.5

对焊连接Welded End Connection:ASME/ANSI B16.25

防火标准Fire Safe:API607

检验和测试Inspection And Test:API598/API6D

序号 No	部件名称 Part Name	材料ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMPMaterial	低温钢 Low TEMPMaterial	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
2	阀盖Bonnet	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
3	球Ball	A105+ENP	A182-F11+ENP	A350-LF2+ENP	A182-304	A182-316	A182-F51
4	阀杆Stem	A182-F6a	A182-F11	A182-F6a	A182-F304	A182-F316	A182-F51
5	阀座Seat Ring	A105+ENP	A182-F11+ENP	A350-LF2+ENP	A182-304	A182-316	A182-F51
6	密封圈 Seat Insert	聚四氟乙烯Glass Filled PTFE					
7	弹簧 Seat Spring	A313-304	A313-304	A313-304	英科耐尔Inconel X-750	英科耐尔Inconel X-750	英科耐尔Inconel X-750
8	O型圈Seat O-Ring	丁腈橡胶NBR	氟橡胶Viton	丁腈橡胶NBR	氟橡胶Viton	氟橡胶Viton	氟橡胶Viton
9	O型圈Stem-O-Ring	丁腈橡胶NBR	氟橡胶Viton	丁腈橡胶NBR	氟橡胶Viton	氟橡胶Viton	氟橡胶Viton
10	中道垫Bonnet Gasket	石墨Graphite+304				石墨Graphite+316	石墨Graphite+321
11	O型圈Bonnet O-Ring	丁腈橡胶NBR	氟橡胶Viton	丁腈橡胶NBR	氟橡胶Viton	氟橡胶Viton	氟橡胶Viton
12	弹簧Antistatic Spring	A313-304	A313-304	A313-304	A313-316	A313-316	A313-321
13	低盖Grounding Plunger	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
14	螺栓Bonnet Stud	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M+镀锌Zn
15	螺母Bonnet Stud Nut	A194-2H	A194-4	A194-4	A194-8	A194-8M	A194-7M+镀锌Zn
16	下轴Trunnion	A276-304	A276-304	A276-304	A276-304	A276-316	A276-321
17	耳轴Trunnion Bearing	304-PTFE	304-PTFE	304-PTFE	304-PTFE	316-PTFE	321-PTFE
18	填料压板Gland Flange	A216-WCB	A217-WC6	A352-LCB	A351-CF8	A351-CF8M	A890-GR 4A
19	螺钉Gland Bolt	A193-B7	A193-B8	A193-B7	A193-B8	A193-B8	A193-B8
20	定位片Stop Plate	碳钢Carbon Steel	碳钢Carbon Steel	碳钢Carbon Steel	碳钢Carbon Steel+镀锌Zn		碳钢Carbon Steel+镀锌Zn
21	手柄Handle	碳钢Carbon Steel					



铸钢固定式球阀系列 CS TRUNNION TYPE BALL VALVE SERIES

铸钢固定式球阀 CS TRUNNION TYPE BALL VALVE

150LB/300LB/600LB/900LB

技术参数 DIMENSIONS DATA

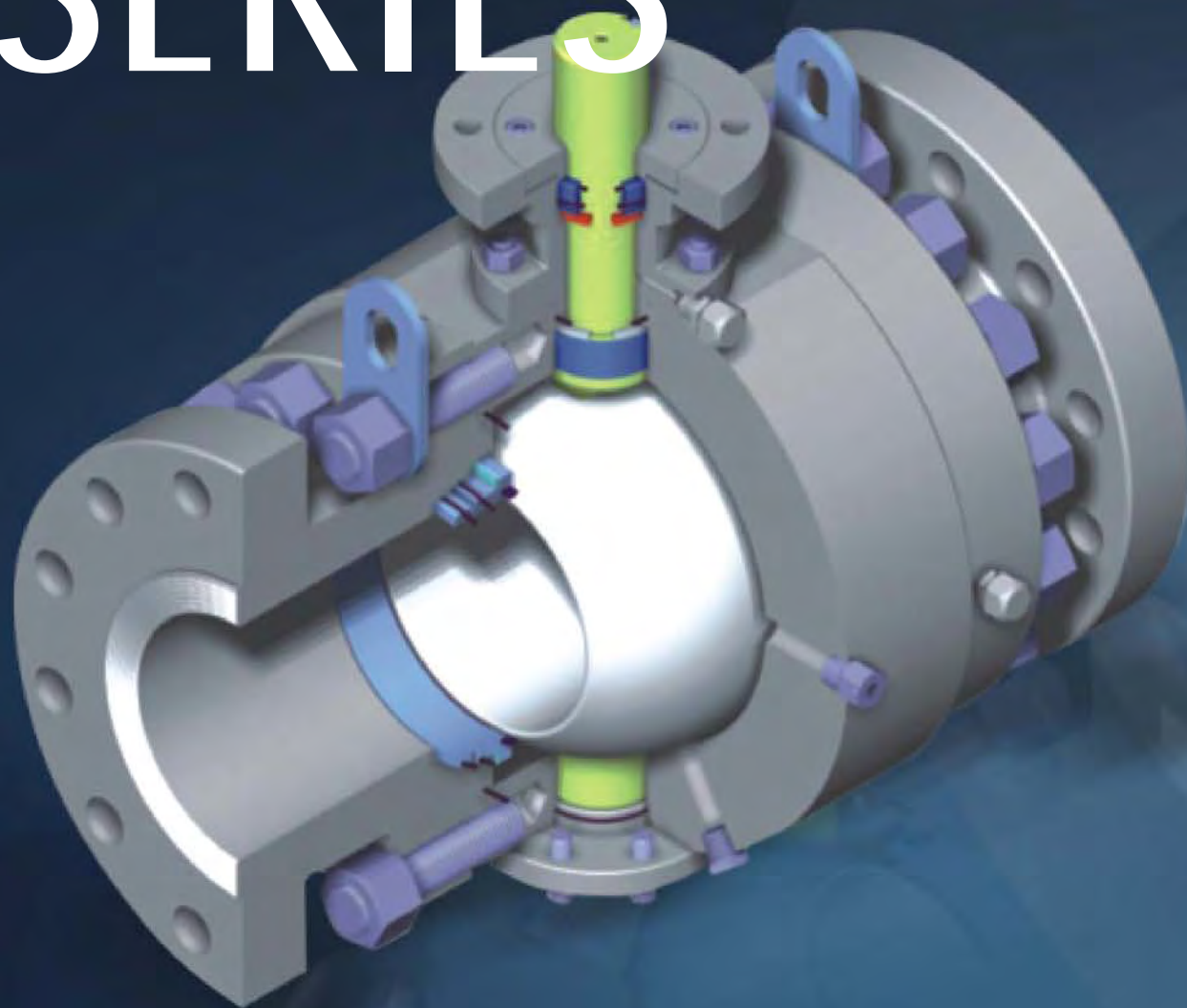
英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	30 750	36 900	in mm
ANSI Class 150lb																		
L (RF)	7 178	7.5 190	8 203	9 229	15.5 394	18 457	21 533	24 610	27 686	30 762	34 864	36 914	42 1067	45 1143	49 1245	51 1295	60 1524	in mm
L1 (BW)	8.5 216	9.5 241	11.12 283	12 305	18 457	20.5 521	22 559	25 635	30 762	33 838	36 914	39 991	45 1143	49 1245	53 1346	55 1397	68 1727	in mm
H	7 177	7.5 190	8.25 210	9.25 235	20.88 530	24.62 625	25.62 650	30.75 780	31 790	36.25 920	38.25 970	43.38 1100	45.25 1150	50.75 1290	55.12 1400	64.12 1630	30.75 2050	in mm
(d)	49	62	74	102	152	203	254	305	337	387	438	489	591	633	684	735	874	mm
W	14 350	16 400	20 500	20 500	24 600	24 600	24 600	24 600	32 800	32 800	32 800	32 800	32 800	32 800	32 800	32 800	32 800	R F BW
WT (kg)	15 13.5	19 15.5	27 24.5	60 38	101 81	166 140	283 180	463 360	622 498	900 720	1150 920	1360 1088	2514 2011	3200 2668	4000 3200	4800 3840	5800 4640	R F BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	30 750	36 900	in mm
ANSI Class 300lb																		
L (RF)	8.5 216	9.5 241	11.12 283	12 305	15.88 403	19.75 502	22.38 568	25.5 648	30 762	33 838	36 914	39 991	45 1143	49 1245	53 1346	55 1397	-	in mm
L1 (BW)	8.5 216	9.5 241	11.12 283	12 305	15.88 403	19.75 502	22.38 568	25.5 648	30 762	33 838	36 914	39 991	45 1143	49 1245	53 1346	55 1397	-	in mm
H	7 177	7.5 190	8.25 210	9.25 235	20.88 530	24.62 625	25.62 650	30.75 780	31 790	36.25 920	38.25 970	43.38 1100	45.25 1150	50.75 1290	55.12 1400	64.12 1630	-	in mm
(d)	49	62	74	102	152	203	254	305	337	387	438	489	591	633	684	735	-	mm
W	14 350	16 400	20 500	20 500	24 600	24 600	24 600	24 600	32 800	32 800	32 800	32 800	32 800	32 800	32 800	32 800	-	R F BW
WT (kg)	19 14	24 16	34 25	70 56	128 102	234 187	403 322	602 482	803 642	1273 1018	1450 1160	1700 1360	3100 2480	4500 3600	6000 4800	7500 6000	-	R F BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	30 750	36 900	in mm
ANSI Class 600lb																		
L (RF)	11.5 292	13 30	14 356	17 432	22 559	26 660	31 787	33 838	35 889	39 991	43 1092	47 1194	55 1397	57 1448	61 1549	-	-	in mm
L1 (BW)	11.62 295	13.12 333	14.12 359	17.12 435	22.12 562	26.12 664	31.12 791	33.12 841	35.12 892	39.12 994	43.12 1095	47.25 1200	55.38 1407	57.5 1461	61.5 1562	-	-	in mm
H	7.12 180	7.62 193	8.5 215	9.5 241	21.25 540	25 635	26.12 665	31.88 790	31.12 810	31.88 925	36.38 985	38.75 1130	44.5 1185	46.62 1335	52.5 1450	57 1450	-	in mm
(d)	51	64	76	102	152	203	254	305	334	385	436	487	589	-	-	-	-	mm
W	14 350	16 400	20 500	20 500	24 600	24 600	24 600	24 600	32 800	32 800	32 800	32 800	32 800	32 800	32 800	32 800	-	R F BW
WT (kg)	32 26	47 38	68 55	106 85	241 193	444 355	668 534	1050 840	1317 1054	1800 1440	2400 1920	3000 2400	5400 4320	7020 5616	9477 7582	-	-	R F BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	30 750	36 900	in mm
ANSI Class 900lb																		
L (RF)	14.5 368	16.5 419	15 381	18 457	24 610	29 737	33 838	38 965	40.5 1029	44.5 1130	48 1219	52 1321	61 1549	-	-	-	-	in mm
L1 (BW)	14.62 371	16.62 422	15.12 384	18.12 460	24.12 613	29.13 740	33.12 841	38.12 968	40.88 1038	44.88 1140	48.5 1232	52.5 1334	61.75 1568	-	-	-	-	in mm
H	8.62 219	9.25 235	10.25 260	15.38 390	25.75 622	30.25 770	31.75 805	38 965	38.5 980	45 1145	47 1195	53.5 1360	56 1425	-	-	-	-	in mm
(d)	51	64	76	102	152	203	254	305	322	373	423	471	570	-	-	-	-	mm
W	20 500	20 500	20 500	24 600	24 600	24 600	24 600	32 800	32 800	32 800	32 800	32 800	32 800	-	-	-	-	R F BW
WT (kg)	45 36	55 44	94 75	141 113	325 260	580 464	850 680	1330 1064	1660 1328	2280 1825	3078 2462	4155 3324	6232 4986	-	-	-	-	R F BW

BALL VALVE SERIES



BALL VALVE FS, TM

Design

WINDMILL steel ball valve are designed and manufactured to provide maximum service life and dependability. All ball valves are full ported and meet the design requirements of American Petroleum Institute Standard API 608 & API 6D, British Standard BS 5351 and generally conform to American Society of Mechanical Engineers standard ASME B 16.34. Valves are available in a complete range of body/bonnet materials and trims.

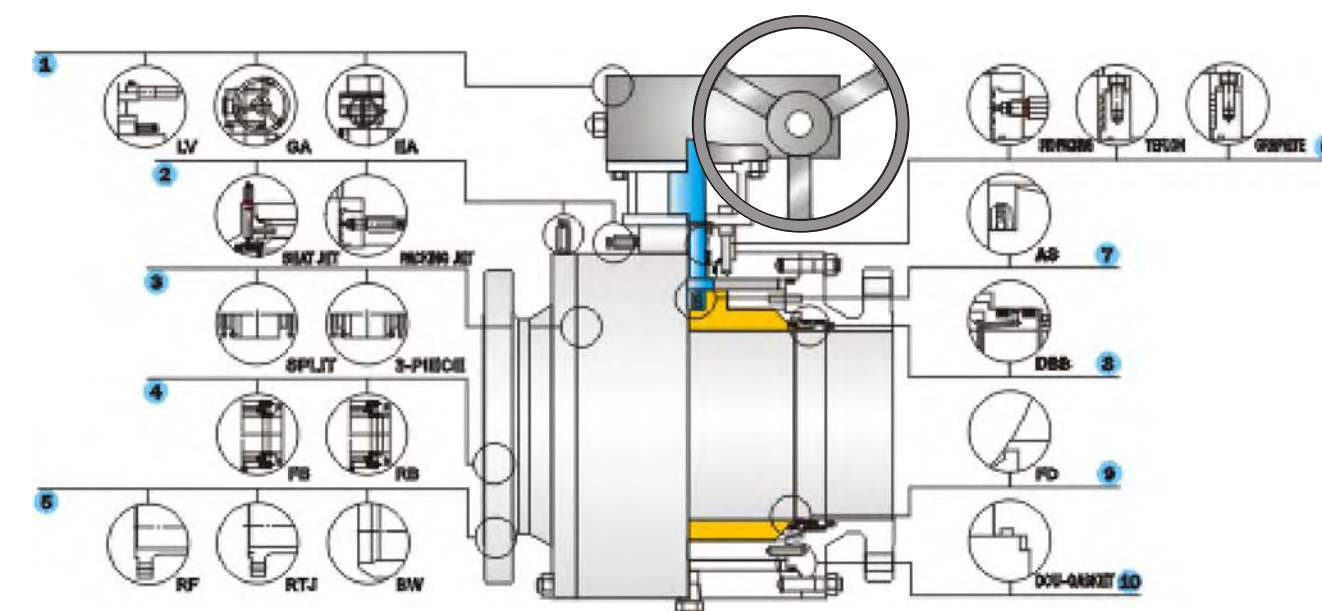
Range of Materials

Standard body/bonnet materials include nine grades of carbon, low alloy and stainless steel. For special applications they can be supplied in other grades of alloy and stainless steel. There is a full range of trim materials to match any service conditions.

Available Modifications for WINDMILL Cast Steel Valves

- *Trim changes
- *End Connection Modifications
- *Packing and Gasket Changes
- *Operator Mounting
- *Handwheel Extensions

- *Pressure Equalizing
- *AS or FD
- *Customer Specified Coatings
- *Weld End Bore Changes
- *Oxygen & Chlorine Cleaning & Packaging



1 Operating

Extended lever for easy operation. Also available with gearing, motor actuators, pneumatic or hydraulic actuators for more difficult services.

2 Grease - Jet Joint

Installed in prescriptive part accord with the apply and satisfied with ecumenical situations and realize seal in spot with maintenance easily.

3 BODY & BONNET

Split or 3-piece, split body & bonnet for 4" & Small. Disassembles easily for repair or replacement of internal components.

4 BORE

Full Bore or Reduced Bore. Full-bore design provides exceptional flow control.

5 End Connections

A choice of Flanged, RTJ flanged or Buttwelding end for piping flexibility.

6 Packing

STD Packing adopt high-performance rubber seal ring, STD Packing and TEFLON use situation for smooth pressure. With snap ring apply high-pressure situation. Graphite packing use situation for high-temperature.

7 AS

Anti Static. A metallic contact is always granted between ball and stem/body to discharge eventual statics build-up during service.

8 DDB

Double Block & Bleed. The body cavity is isolated when the ball is in either fully closed or fully opened position, the medium entrapped in it can easily be bled to avoid overpressure.

9 FD

Fire Durable. Designed to API 607 or BS 6755 to grant their operation suitability in case of fire. Secondary metal-to-metal seal acts as backup if primary seal is destroyed by fire. Valves ordered for compliance with API 607 will be provided with graphite packing and gaskets.

10 GASKET

Adopt high-performance rubber seal ring and spiral wound graphite.

锻钢固定式球阀 FS TRUNNION MOUNTED BALL VALVE

150LB/300LB/600LB/900LB/1500LB/2500LB

产品说明 Design description:

全通径设计Full port design

栓盖结构BB,bolted bonnet,split body

固定式Trunnion mounted ball type

防吹出阀杆Blow-out proof stem

耐火结构Fire durable construction

防静电Anti static device

ISO5211连接盘ISO5211 mounting pad

法兰或对焊连接Flanged or butt welding ends

可供蜗轮操作Available with BG operator

技术标准Technical Standard:

设计标准Design STD.:API6D,BS5351,ASME/ANSI B16.34

结构长度Face To Face:ASME/ANSI B16.10

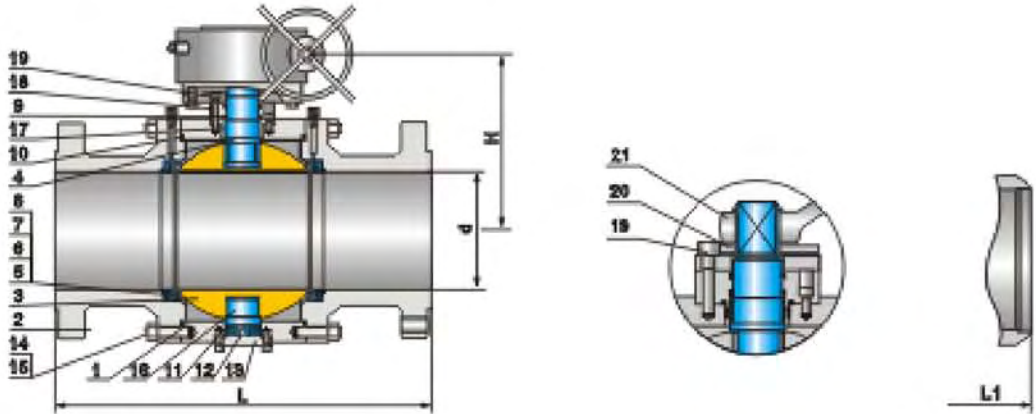
法兰连接Flange End Connection:ASME/ANSI B16.5

对焊连接Welded End Connection:ASME/ANSI B16.25

防火标准Fire Safe:API607

检验和测试Inspection And Test:API598/API6D

序号 No	部件名称 Part Name	材料ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMPMaterial	低温钢 Low TEMPMaterial	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A105	A182-F11	A350-LF2	A182-304	A182-316	A182-F51
2	阀盖Bonnet	A105	A182-F11	A350-LF2	A182-304	A182-316	A182-F51
3	球Ball	A105+ENP	A182-F11+ENP	A350-LF2+ENP	A182-304	A182-316	A182-F51
4	阀杆Stem	A182-F6a	A182-F11	A182-F6a	A182-F304	A182-F316	A182-F51
5	阀座Seat Ring	A105+ENP	A182-F11+ENP	A350-LF2+ENP	A182-304	A182-316	A182-F51
6	密封圈 Seat Insert	聚四氟乙烯Glass Filled PTFE					
7	弹簧 Seat Spring	A313-304	A313-304	A313-304	英科耐尔Inconel X-750	英科耐尔Inconel X-750	英科耐尔Inconel X-750
8	O型圈Seat O-Ring	丁腈橡胶NBR	氟橡胶Viton	丁腈橡胶NBR	氟橡胶Viton	氟橡胶Viton	氟橡胶Viton
9	O型圈Stem-O-Ring	丁腈橡胶NBR	氟橡胶Viton	丁腈橡胶NBR	氟橡胶Viton	氟橡胶Viton	氟橡胶Viton
10	中道垫Bonnet Gasket	石墨Graphite+304				石墨Graphite+316	石墨Graphite+321
11	O型圈Bonnet O-Ring	丁腈橡胶NBR	氟橡胶Viton	丁腈橡胶NBR	氟橡胶Viton	氟橡胶Viton	氟橡胶Viton
12	弹簧Antistatic Spring	A313-304	A313-304	A313-304	A313-316	A313-316	A313-321
13	低盖Grounding Plunger	A182-304	A182-304	A182-304	A182-304	A182-316	A182-F321
14	螺栓Bonnet Stud	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M+锌Zn
15	螺母Bonnet Stud Nut	A194-2H	A194-4	A194-4	A194-8	A194-8M	A194-7M+锌Zn
16	下轴Trunnion	A276-304	A276-304	A276-304	A276-304	A276-316	A276-321
17	耳轴Trunnion Bearing	304-PTFE	304-PTFE	304-PTFE	304-PTFE	316-PTFE	321-PTFE
18	填料压板Gland Flange	A105	A182-F11	A350-LF2	A182-304	A182-316	A182-F51
19	螺钉Gland Bolt	A193-B7	A193-B8	A193-B7	A193-B8	A193-B8	A193-B8
20	定位片Stop Plate	碳钢Carbon Steel	碳钢Carbon Steel	碳钢Carbon Steel	碳钢Carbon Steel+锌Zn	碳钢Carbon Steel+锌Zn	碳钢Carbon Steel+锌Zn
21	手柄Handle	碳钢Carbon Steel					



锻钢固定式球阀系列 FS TRUNNION MOUNTED BALL VALVE SERIES

锻钢固定式球阀 FS TRUNNION MOUNTED BALL VALVE

150LB/300LB/600LB/900LB/1500LB/2500LB

技术参数 DIMENSIONS DATA

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	26 650	28 700	30 750	36 900	in mm
ANSI Class 150lb																		
L (RF)	7 178	7.5 190	8 203	9 229	15.5 394	18 457	21 533	24 610	27 686	30 762	34 864	36 914	42 1067	45 1143	49 1245	51 1295	60 1524	in mm
L1 (BW)	8.5 216	9.5 241	11.12 283	12 305	18 457	20.5 521	22 559	25 635	30 762	33 838	36 914	39 991	45 1143	49 1245	53 1346	55 1397	68 1727	in mm
H	4 120	6 150	7 180	9.25 235	9.88 250	11 280	12.62 320	15.38 390	16.5 420	21.88 555	23.62 600	25 635	28 710	29.5 750	31.5 800	34 865	38.5 980	in mm
(d)	49 1250	62 1575	74 1880	102 2590	152 3850	203 5160	254 6450	305 7740	337 8560	387 9840	438 11060	489 12460	591 14960	633 16130	684 17360	735 18670	874 22200	mm
W	16 400	16 400	24 600	24 600	24 600	24 600	32 800	32 800	32 800	32 800	32 800	32 800	40 1000	40 1000	40 1000	40 1000	40 1000	R F BW
WT (kg)	28 25	35 28	55 49	80 71	190 182	290 277	445 423	570 553	780 747	1520 1481	2300 2266	2500 2460	3950 3904	4939 4890	6362 6300	8149 7100	13570 13500	R F BW
ANSI Class 300lb																		
L (RF)	8.5 216	9.5 241	11.12 283	12 305	15.88 403	19.75 502	22.38 568	25.5 648	30 762	33 838	36 914	39 991	45 1143	49 1245	53 1346	55 1397	-	in mm
L1 (BW)	8.5 216	9.5 241	11.12 283	12 305	15.88 403	19.75 502	22.38 568	25.5 648	30 762	33 838	36 914	39 991	45 1143	49 1245	53 1346	55 1397	-	in mm
H	4 120	6 150	7 180	9.25 235	9.88 250	11 280	12.62 320	15.38 390	16.5 420	21.88 555	23.62 600	25 635	28 710	29.5 750	31.5 800	34 865	-	in mm
(d)	49 1250	62 1575	74 1880	102 2590	152 3850	203 5160	254 6450	305 7740	337 8560	387 9840	438 11060	489 12460	591 14960	633 16130	684 17360	735 18670	-	mm
W	16 400	16 400	24 600	24 600	24 600	24 600	32 800	32 800	32 800	32 800	32 800	32 800	40 1000	40 1000	40 1000	40 1000	-	R F BW
WT (kg)	30 24	40 31	60 49	90 72	200 169	325 280	490 424	690 598	990 872	1810 1665	2620 2440	2860 2635	4430 4075	5430 4880	6810 6225	7655 7115	-	R F BW
ANSI Class 600lb																		
L (RF)	11.5 292	13 330	14 356	17 432	22 559	26 660	31 787	33 838	35 889	39 991	43 1092	47 1194	55 1397	57 1448	61 1549	-	-	in mm
L1 (BW)	11.62 295	13.12 333	14.12 359	17.12 435	22.12 562	26.12 664	31.12 791	33.12 841	35.12 892	39.12 994	43.12 1095	47.25 1200	55.38 1407	57.5 1461	61.5 1562	-	-	in mm
H	6.5 165	7 180	7.88 200	11 280	12.25 310	14 355	16.12 410	18 455	19.25 490	21 535	24.88 630	25.62 650	30.12 765	31.88 810	34.62 880	-	-	in mm
(d)	51 1295	64 1625	76 1930	102 2590	152 3850	203 5160	254 6450	305 7740	337 8560	387 9840	438 11060	489 12460	591 14960	633 16130	684 17360	-	-	mm
W	16 400	24 600	24 600	32 800	32 800	32 800	32 800	32 800	32 800	32 800	40 1000	40 1000	40 1000	40 1000	40 1000	-	-	R F BW
WT (kg)	34 27	53 43	65 49	125 95	245 188	508 418	640 495	914 740	1380 1185	2250 1960	3400 3050	3850 3406	4900 4275	6700 6025	8300 7590	-	-	R F BW
ANSI Class 900lb																		
L (RF)	14.5 368	16.5 419	15 381	18 457	24 610	29 737	33 838	38 965	40.5 1029	44.5 1130	48 1219	52 1321	61 1549	-	-	-	-	in mm
L1 (BW)	14.62 371	16.62 422	15.12 384	18.12 460	24.12 613	29.12 740	33.12 841	38.12 968	40.88 1038	44.88 1140	48.88 1232	52.88 1334	61.75 1568	-	-	-	-	in mm
H	6.72 170	7.5 190	8.25 210	11.38 290	12.62 320	15.38 390	17 430	18.5 470	20.88 530	24 610	26 660	27.5 700	30.75 780	-	-	-	-	in mm
(d)	51 1295	64 1625	76 1930	102 2590	152 3850	203 5160	254 6450	305 7740	337 8560	387 9840	438 11060	489 12460	591 14960	633 16130	684 17360	-	-	mm
W	24 600	24 600	24 600	32 800	32 800	32 800	32 800	32 800	32 800	40 1000	40 1000	40 1000	40 1000	-	-	-	-	R F BW
WT (kg)	45 37	65 53	73 56	135 98	360 291	650 545	930 760	1350 1145	1890 1650	3100 2750	4300 3875	4950 4410	7100 6485	-	-	-	-	R F BW

英寸NPS 口径DN	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	2 50	2-1/2 65	3 80	4 100	6 150	8 200	10 250	in mm
ANSI Class 1500lb											ANSI Class 2500lb							
L (RF)	14.5 368	16.5 419	18.5 470	21.5 546	27.75 705	32.75 832	39 991	44.5 1130	49.5 1257	54.5 1384	17.75 451	20 508	22.75 578	26.5 673	36 914	40.25 1022	50 1270	in mm
L1 (BW)	14.62 371	16.62 422	18.62 473	21.62 549	28 711	33.12 841	39.38 1000	45.12 1146	50.25 1276	55.38 1407	17.88 454	21.25 540	23 584	26.88 683	36.5 927	470.88 1038	50.88 1292	in mm
H	6.75 170	7.5 190	8.25 210	11.38 290	13 330	15.75 4000	17.38 440	22 560	25.25 640	27.12 690	7.5 190	9 230	11 280	14.12 360	15.75 400	18.88 480	20.5 520	in mm
(d)	51 1295	64 1625	76 1930	102 2590	144 360	192 480	239 600	287 720	315 800	360 900	42 1000	52 1300	62 1550	87 2180	131 3250	179 4480	223 5580	mm
W	24 600	24 600	32 800	32 800	32 800	32 800	32 800	40 1000	40 1000	40 1000	24 600	32 800	32 800	32 800	32 800	40 1000	40 1000	R F BW
WT (kg)	55 40	75 55	95 65	150 115	540 420	880 685	1360 1025	1980 1555	3100 2600	4650 3930	104 83	140 112	202 162	305 244	760 608	1200 960	2080 1664	R F BW

锻钢闸阀FORGE STEEL GATE VALVE

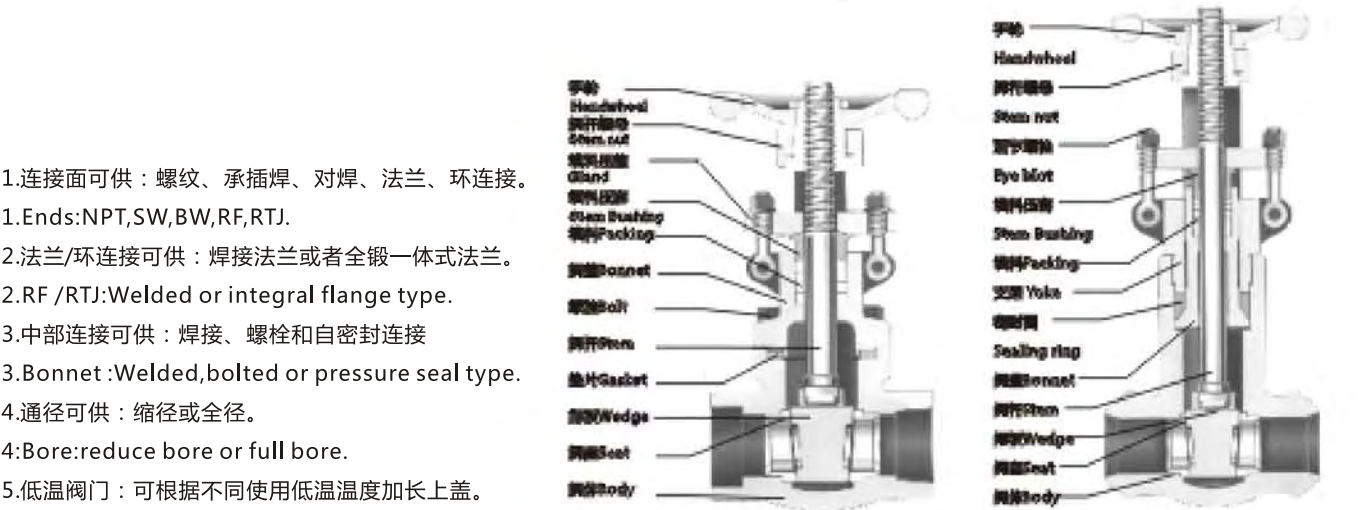
150LB/300LB/600LB/900LB/1500LB/2500LB

技术参数Technical Standard:法兰连接Flange End Connection:ASME/ANSI B16.5

设计标准Design STD.:API602,ASME/ANSI B16.34对焊连接Welded End Connection:ASME/ANSI B16.25

结构长度Face To Face:ASME/ANSI B16.10检验和测试Inspection And Test:API598

序号 No	部件名称 Part Name	材料 ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP.Material	低温钢 Low TEMP.Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A105	A182-F11	A350-LF2	A182-F304	A182-F316	A182-F51
2	阀座Seat	A182-F6a	A182-F6a	A182-F6a	A182-F304	A182-F316	A182-F51
3	闸板Wedge	A182-F6a	A182-F6a	A182-F6a	A182-F304	A182-F316	A182-F51
4	阀杆Stem	A276-410	A276-410	A276-410	A276-F304	A276-F316	A182-F51
5	垫片Gasket	石墨Graphite+304					
6	密封圈Sealing Ring	石墨Graphite					
7	支架Yoke	A216-WCB	A216-WCB	A216-WCB	A351 CF8	A351 CF8M	A351 CF8M
8	阀盖Bonnet	A105	A182-F11	A350-LF2	A182-F304	A182-F316	A182-F51
9	螺栓Bonnet Stud	A193-B7	A193-B16	A320-L7	PTFE A193-B8	A193-B8M	A320-L7M+镀锌Zn
10	填料Packing	石墨Graphite					
11	填料压套Stem Bushing	A276-410	A276-410	A276-410	A276-304	A276-316	A276-321
12	填料压盖Gland	A216-WCB	A216-WCB	A216-WCB	A351 CF8	A351 CF8M	A351 CF8M
13	活节螺栓Eye bolt	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M+镀锌Zn
14	阀杆螺母Stem Nut	A276-410					
15	手轮Handwheel	碳钢Carbon Steel					



- 1.连接面可供：螺纹、承插焊、对焊、法兰、环连接。
- 1.Ends:NPT,SW,BW,RF,RTJ.
- 2.法兰/环连接可供：焊接法兰或者全锻一体式法兰。
- 2.RF /RTJ:Welded or integral flange type.
- 3.中部连接可供：焊接、螺栓和自密封连接
- 3.Bonnet :Welded,bolted or pressure seal type.
- 4.通径可供：缩径或全径。
- 4.Bore:reduce bore or full bore.
- 5.低温阀门：可根据不同使用低温温度加长上盖。
- 5.Low TEMP. :Can supply with extended bonnet type
- 6.最新供应：1) 可供到12" 为止的锻钢阀。
- 2) 可直接雕刻不同商标。
- 6.NEW*:1) We can supply up to 12" forged type.
- 2) Carve different logo on valve body.

锻钢截止阀FORGE STEEL GLOBE VALVE

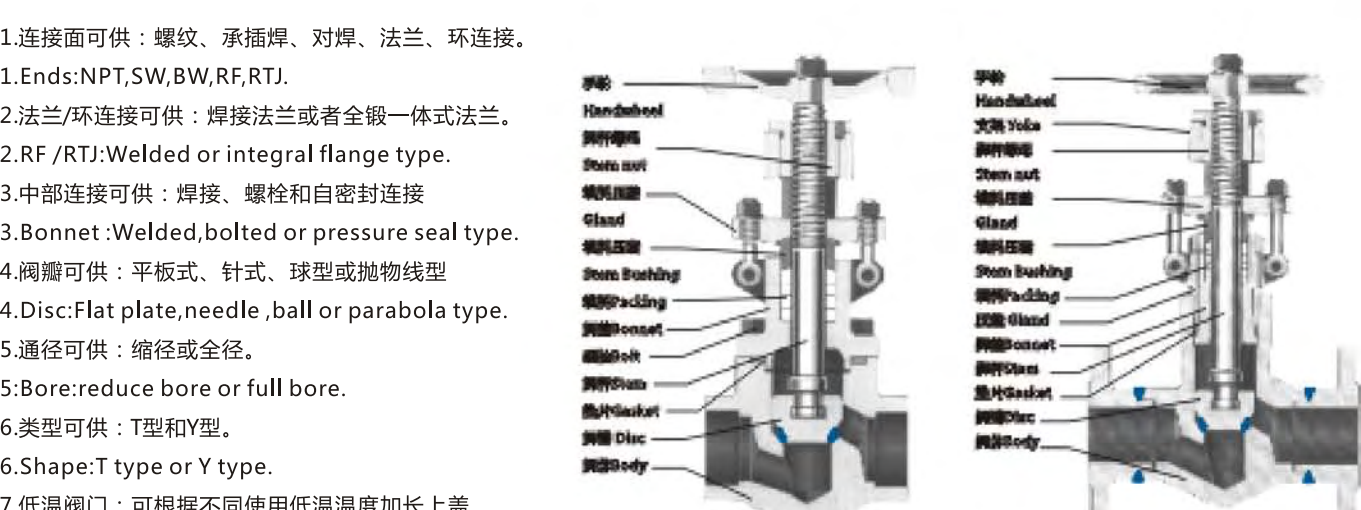
150LB/300LB/600LB/900LB/1500LB/2500LB

技术参数Technical Standard:法兰连接Flange End Connection:ASME/ANSI B16.5

设计标准Design STD.:API602,ASME/ANSI B16.34对焊连接Welded End Connection:ASME/ANSI B16.25

结构长度Face To Face:ASME/ANSI B16.10检验和测试Inspection And Test:API598

序号 No	部件名称 Part Name	材料 ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP.Material	低温钢 Low TEMP.Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A105	A182-F11	A350-LF2	A182-F304	A182-F316	A182-F51
2	阀瓣Disc	A182-F6a	A182-F6a	A182-F6a	A182-F304	A182-F316	A182-F51
3	阀杆Stem	A182-F6a	A182-F6a	A182-F6a	A182-F304	A182-F316	A182-F51
4	垫片Gasket	石墨Graphite+304					
5	密封圈Sealing Ring	石墨Graphite					
6	支架Yoke	A216-WCB	A216-WCB	A216-WCB	A351 Cf8	A351 CF8M	A351 CF8M
7	阀盖Bonnet	A105	A182-F11	A350-LF2	A182-F304	A182-F316	A182-F51
8	填料压盖Gland	A216-WCB	A216-WCB	A216-WCB	A351 CF8	A351 CF8M	A351 CF8M
9	螺栓Bonnet Bolt	A193-B7	A193-B16	A320-L7	PTFE A193-B8	A193-B8M	A320-L7M+镀锌Zn
10	填料Packing	石墨Graphite					
11	填料压套Stem Bushing	A276-410	A276-410	A276-410	A276-304	A276-316	A276-321
12	填料压盖Packing Gland	A216-WCB	A216-WCB	A216-WCB	A351 CF8	A351 CF8M	A351 CF8M
13	活节螺栓Eye bolt	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M+镀锌Zn
14	阀杆螺母Stem Nut	A276-410					
15	手轮Handwheel	碳钢Carbon Steel					



- 1.连接面可供：螺纹、承插焊、对焊、法兰、环连接。
- 1.Ends:NPT,SW,BW,RF,RTJ.
- 2.法兰/环连接可供：焊接法兰或者全锻一体式法兰。
- 2.RF /RTJ:Welded or integral flange type.
- 3.中部连接可供：焊接、螺栓和自密封连接
- 3.Bonnet :Welded,bolted or pressure seal type.
- 4.阀瓣可供：平板式、针式、球型或抛物线型
- 4.Disc:Flat plate,needle ,ball or parabola type.
- 5.通径可供：缩径或全径。
- 5.Bore:reduce bore or full bore.
- 6.类型可供：T型和Y型。
- 6.Shape:T type or Y type.
- 7.低温阀门：可根据不同使用低温温度加长上盖。
- 7.Low TEMP. :Can supply with extended bonnet type
- 8.最新供应：1)可供到12" 为止的锻钢阀。
- 2)可直接雕刻不同商标。
- 8.NEW*:1) We can supply up to 12" forged type.
- 2) Carve different logo on valve body.

锻钢止回阀FORGE STEEL CHECK VALVE

150LB/300LB/600LB/900LB/1500LB/2500LB

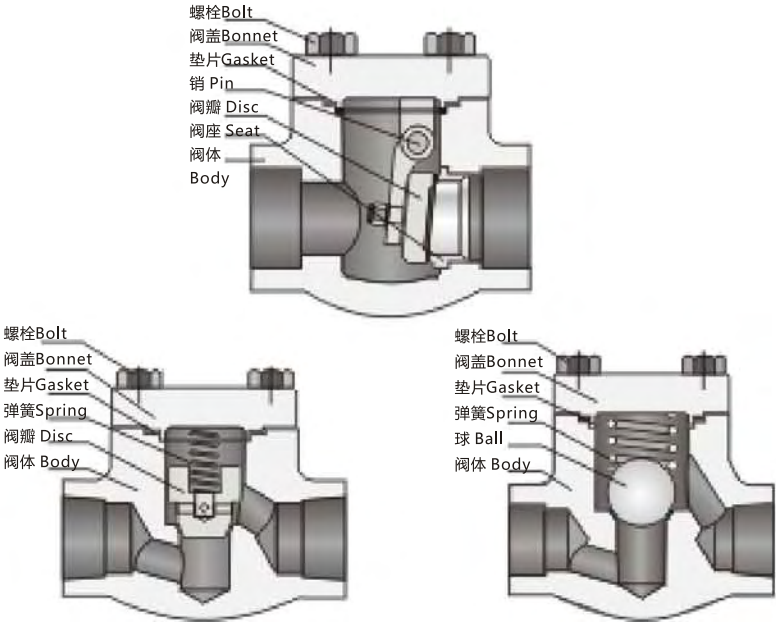
技术参数Technical Standard:法兰连接Flange End Connection:ASME/ANSI B16.5

设计标准Design STD.:API602,ASME/ANSI B16.34对焊连接Welded End Connection:ASME/ANSI B16.25

结构长度Face To Face:ASME/ANSI B16.10检验和测试Inspection And Test:API598

序号 No	部件名称 Part Name	材料 ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP.Material	低温钢 Low TEMP.Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	阀体Body	A105	A182-F11	A350-LF2	A182-F304	A182-F316	A182-F51
2	阀座Seat	A182-F6a	A182-F6a	A182-F6a	A182-F304	A182-F316	A182-F51
3	阀瓣/球Disc/Ball	A182-F6a	A182-F6a	A182-F6a	A182-F304	A182-F316	A182-F51
4	横销Pin	A276-410	A276-410	A275-410	A276-304	A276-316	A276-321
5	弹簧Spring	合金钢 Alloy steel	合金钢 Alloy steel	合金钢 Alloy steel	不锈钢SS	不锈钢SS	不锈钢SS
6	垫片Gasket	石墨Graphite+304					
7	阀盖Cover	A105	A182-F11	A350-LF2	A182-F304	A182-F316	A182-F51
8	螺栓Bonnet Bolt	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M-Zn

- 1.连接面可供：螺纹、承插焊、对焊、法兰、环连接。
- 1.Ends:NPT,SW,BW,RF,RTJ.
- 2.法兰/环连接可供：焊接法兰或者全锻一体式法兰。
- 2.RF /RTJ:Welded or integral flange type.
- 3.中部连接可供：焊接、螺栓和自密封连接
- 3.Bonnet :Welded,bolted or pressure seal type.
- 4.阀瓣可供：升降式或旋启式。
- 4.Disc:lift or swining type .
- 5.通径可供：缩径或全径。
- 5.Bore:reduce bore or full bore.
- 6.类型可供：T型和Y型。
- 6.Shape:T type or Y type.
- 7.最新供应：①可供到12" 为止的锻钢阀。
- ②可直接雕刻不同商标。
- 7.NEW*:1) We can supply up to 12" forged type.
- 2).Carve different logo on valve body.



锻钢球阀FORGE STEEL BALL VALVE

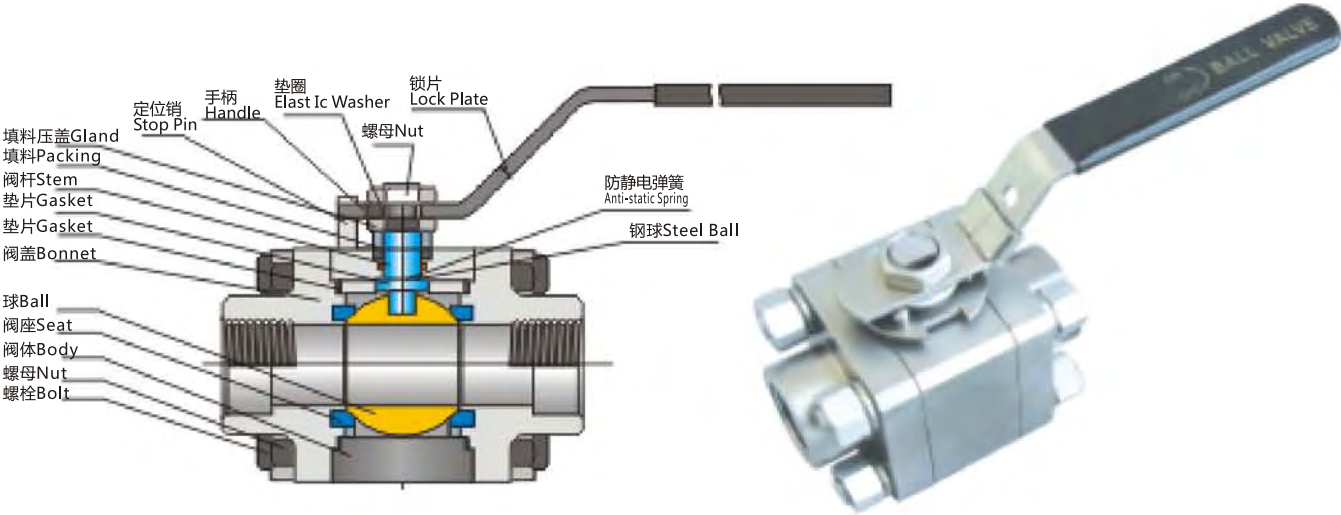
150LB/300LB/600LB/900LB/1500LB

技术参数Technical Standard:承插焊连接 Scket Welded End Connection:ASME/ANSI B16.11

设计标准Design STD.:BS5351,ASME/ANSI B16.34对焊连接Welded End Connection:ASME/ANSI B16.25

结构长度Face To Face: ASME/ANSI B16.10检验和测试Inspection And Test:API598

序号 No	部件名称 Part Name	材料 ASTM Material					
		碳钢 Carbon Steel	高温钢 High TEMP.Material	低温钢 Low TEMP.Material	不锈钢 Stainless steel	不锈钢 Stainless steel	双相钢 Duplex SS
1	螺栓Bolt	A193-B7	A193-B16	A320-L7	A193-B8	A193-B8M	A320-L7M+镀锌Zn
2	螺母Nut	A194-2H	A194-4	A194-4	A194-8	A194-8M	A194-7M+锌Zn
3	阀体Body	A105	A182-F11	A350-LF2	A182-F304	A182-F316	A182-F51
4	阀座Seat	VITON					
5	球Ball	A182-F6a	A182-F304	A182-F304	A182-F304	A182-F316	A182-F51
6	阀盖Bonnet	A105	A182-F11	A350-LF2	A182-F304	A182-F316	A182-F51
7	垫片Gasket	PTFE					
8	垫片Gasket	PTFE					
9	阀杆Stem	A182-F6a	A182-F6a	A182-F6a	A182-F304	A182-F316	A182-F51
10	填料Packing	PTFE					
11	填料压盖Gland	A276-410	A276-410	A276-410	A276-304	A276-316	A276-321
12	定位销Stop Pin	碳钢Carbon Steel	碳钢Carbon Steel	碳钢Carbon Steel	碳钢Carbon Steel+镀锌Zn	碳钢Carbon Steel+镀锌Zn	碳钢Carbon Steel+镀锌Zn
13	手柄Handle	碳钢Carbon Steel					
14	垫圈Elast Ic Washer	304	304	304	304	316	321
15	螺母Nut	A194-8	A194-8	A194-8	A194-8	A194-8	A194-8
16	锁片Lock Plate	304	304	304	304	304	304
17	防静电弹簧 Anti-static Spring	304	304	304	304	304	304
18	钢球Steel Ball	304	304	304	304	304	304



Example:

Sample	8	G	P	9	B	05	A	-	B
Code	I	II	III	IV	V	VI	VII		VIII

I	Valve NPS.	Design Standard
NPS	Nominal Pipe Size	API,ANSI
DN	Nominal Diamete	BS,EN,DIN

II	Valve Type	
G	Gate Valve	
B	Ball Valve	
C	Check Valve	
GL	Globe Valve	
P	Plug Valve	
S	Strainer	

III	Special Code ¹⁾	Suitable Valve
R	Reduced Port	
C	Cryogenic	
P	Pressure Seal	G/C/GL Valve
N	Non-Rising Stem	
B	Bellows Type	G/GL Valve
A	Adjustment-type Disc	
M	Trunnion Mounted	Globe valve
T	Top Entry	
W	All-Welded	Ball Valve
V	Vertical	Check Valve
H	Horizontal	
D	Dual-plate, Butterfly Type	
S	Single-plate	
Y	Y-type	Strainer

NOTE: 1) More codes can be used simultaneity.

IV	ANSI, Pound Class	PN, Nominal Pressure
0		PN 1.6MPa
1	ANSI Class 150Lb	PN 2.0MPa
2		PN 2.5MPa
3	ANSI Class 300Lb	PN 5.0MPa
4		PN 4.0MPa
5	ANSI Class 400Lb	PN 6.3MPa
6	ANSI Class 600Lb	PN 10.0MPa
8	ANSI Class 800Lb	
9	ANSI Class 900Lb	PN 15.0MPa
15	ANSI Class 1500Lb	PN 25.0MPa
25	ANSI Class 2500Lb	PN 42.0MPa

WINDMILL valve figure numbers is comprised of significant numbers and letters that describe the configurations of valve. When ordering, we recommend you to select figure numbers to make your requirements more distinct. However a detailed detailed description must accompany any special orders.

V	Type of Connection	Stand. Code
F	Raised Face Flange End	RF
L	Flat Face Flange End	FF
R	Ring Joint Flange End	RTJ
B	Butt Welding End	BW
S	Socket Welding End	SW
T	Screwed End, Internal Thread, NPT	SC
W	Wafer Type	WF

VI	Trim Material				
CODE	API CN	Surface		Brinell Hardness	Stem Material
		Closure Member	Seat		
01	1	13Cr	13Cr	250 HB min.	13Cr
02	2	18Cr-8Ni	18Cr-8Ni	Not Specified	18Cr-8Ni
03	3	20Cr-20Ni	20Cr-20Ni	Not Specified	20Cr-20Ni
04	4	13Cr	13Cr	750 HB min.	13Cr
05	5	HF	HF	350 HB min.	13Cr
06	6	13Cr	CuNi	250 HB/175 HB min.	13Cr
07	7	13Cr	13Cr	250 HB/750 HB min.	13Cr
08	8	13Cr	HF	250 HB/350 HB min.	13Cr
09	9	NiCu alloy	NiCu alloy	Not Specified	NiCu alloy
10	10	18Cr-8Ni-Mo	18Cr-8Ni-Mo	Not Specified	18Cr-8Ni-Mo
11	11	NiCu alloy	HF	350 HB min.	NiCu alloy
12	12	18Cr-8Ni-Mo	HF	350 HB min.	18Cr-8Ni-Mo
13	13	19Cr-29Ni	19Cr-29Ni	Not Specified	19Cr-29Ni
14	14	19Cr-29Ni	HF	350 HB min.	19Cr-29Ni
50	/	A105+ENP ²⁾	Soft Seat ¹⁾	Not Specified	13Cr
55	/	13Cr	Soft Seat ¹⁾	Not Specified	13Cr
56		18Cr-8Ni	Soft Seat ¹⁾	Not Specified	13Cr
57	/	18Cr-8Ni	Soft Seat ¹⁾	Not Specified	18Cr-8Ni
58	/	18Cr-8Ni-Mo	Soft Seat ¹⁾	Not Specified	13Cr
59	/	18Cr-8Ni-Mo	Soft Seat ¹⁾	Not Specified	18Cr-8Ni-Mo
00 ³⁾	/	/	/	/	/

- NOTES:
- 1) Soft seat including PTFE, NYLON and PEEK, see part list for details.
- 2) ENP=Electroless Nickel Plating.
- 3) Applicable to Strainer.
- a.Cr=Chromium; Ni=Nickel; Co=Cobalt; Mo=Molybdenum.
- b. HF=Hard Facing using CoCr welding alloy.
- c. Other materials can be used upon discussion between buyer and manufacturer.

SHELL MATERIAL

VII	SHELL MATERIAL							
CODE	ASTM Spec.Grade	Nominal Designation	Service Recommendations	Min.TEMP		Min.TEMP		
				°F	°C	°F	°C	
A	A216-WCB	Cast Carbon Steel	W.O.G(Water, Oil & Gas)Steam and General Service	-20	-29	800	425	
B	A352-LCB	Cast Carbon Steel	Low Temperature and General Service	-50	-46	650	343	
C	A352-LCC	Cast Carbon Steel	Low Temperature and General Service	-50	-46	650	343	
D	A217-WC6	Chrome-Molybdenum Steel 1¼Cr-1½Mo	High Temperature, Steam Oil vapour and General Service	-20	-29	1100	593	
E	A217-WC9	Chrome-Molybdenum Steel 2¼Cr-1Mo	High Temperature, Steam Oil vapour and General Service	-20	-29	1100	593	
F	A217-C5	Chrome-Molybdenum Steel 5Cr-½Mo	Corrosive Erosive Oil Refinery Service	-20	-29	1200	649	
G	A217-C12	Chrome-Molybdenum Steel 9Cr-1Mo	Corrosive Erosive Oil Refinery Service	-20	-29	1200	649	
K	A351-CF8	Cast Stainless Steel 18Cr-10Ni, 304 SS	Corrosive of extremely high temperature non- corrosive services between-450°F(-268°F) and 1200°F(649°F), Above 100°F(540°F) specify carbon content of 0.04% or greater.	-20	-29	1100	593	
L	A351-CF8M	Cast Stainless Steel 18Cr-10Ni-2Mo,316 SS		-20	-29	1100	593	
M	A351-CF3	Cast Low Carbon Stainless Steel 18Cr-10Ni,304L SS		-20	-29	800	425	
N	A351-CF3M	Cast Low Carbon Stainless Steel 18Cr-10Ni-2Mo,316L SS		-20	-29	850	454	
P	A351-CN7M	Cast Stainless Steel 19Cr-29Ni, Alloy-20	Corrosion Resistance	-20	-29	800	425	
R	A494 M-35-1	Cast Ni Alloy Steel Monel	Weldable grade, Good resistance to corrosion by all common organic acids and salt water.	-20	-29	750	400	
U	A494 CW-6M	Cast Ni Alloy Steel Hastelloy C	Good resistance to strong oxidation conditions. Good properties at high temperatures, high resistance to formic, phosphoric, sulphurous and sulfuric acids.	-20	-29	1200	649	
V	A494 CY-40	Cast Ni Alloy Steel Inconel	Very good for high temperature service. Good resistance to strongly corrosive media.	-20	-29	1200	649	
FA	A105(N)	Forged Carbon steel	W.O.G(Water, Oil & Gas)Steam and General Service	-40	-40	800	425	
FB	A350-LF2	Forged Carbon steel	W.O.G(Water, Oil & Gas) and General Service	-50	-46	650	343	
FD	A182-F11	Chrome-Molybdenum Steel 1¼Cr-½Mo-Si	High Temperature, Steam Oil vapour and General Service	-40	-40	1100	593	
FK	A182-F304	Forged Stainless steel 18Cr-10Ni, 304 SS	Corrosive or extremely high temperature non- corrosive services between-450°F(-268°C) and 1200°F(649°C). Above 1000°F(540°C)specify carbon content of 0.04% or greater.	-20	-29	1100	593	
FL	A182-F316	Forged Stainless Steel 18Cr-10Ni-2Mo, 316 SS		-20	-29	1100	593	
FM	A182-F304L	Forged Low Carbon Stainless Steel 18Cr-10Ni, 304L SS		-20	-29	800	425	
FN	A182-F316L	Forged Low Carbon Stainless Steel 18Cr-10Ni-2Mo, 316L SS		-20	-29	850	454	
NOTE: The soft seal valve maximum working temperature depending upon the seat material.			Seat Material	R.PTFE	-320	-196	250	121
				NYLON	-58	-50	176	80
				PEEK	-185	-120	483	250

VIII	Actuator Device
B	Bevel Gear Actuator
W	Worm Gear Actuator
E	General Electric Actuator
EX	Explosion-Proof Electric Actuator
P	Double Pneumatic Actuator
PS	Single Pneumatic Actuator
H	Hydraulic Actuator
EH	Electro-Hydraulic Actuator
PH	Pneumatic-Hydraulic Actuator

NOTES: a.N/A for Handwheel or Lever operated.
b.N/A for Check valve and Strainer.

You reliable business partner

MATERIALS																	
ASTM		Chemical Compositions %										Mechanical			Hardness Charpy		
Code	C ≤	Mn ≤	P ≤	S ≤	Si ≤	Cr ≤	Mo ≤	Ni ≤	Cu ≤	V ≤	Nb ≤	Tensile MPa, ≥	Yield MPa, ≥	ElonGation %, ≥	Reduce %, ≥	Brinell HB, ≤	J, ≥
A105	0.35	0.60~1.05	0.035	0.040	0.010~0.35	0.30	0.12	0.4	0.40	0.08	0.02	485	250	30	30	187	
A182F11	0.05~0.15	0.30~0.60	0.030	0.030	0.50~1.00	1.00~1.50	0.44~0.65					415	205	20	45	121~174	
A182F22	0.05~0.15	0.30~0.60	0.040	0.040	0.50	2.00~2.50	0.87~14.13					415	205	20	35	170	
A182F304	0.08	2.00	0.045	0.030	1.00	18.0~20.0		8.0~11.0				515	205	30	50		
A182F304L	0.030	2.00	0.045	0.030	1.00	18.0~20.0		8.0~13.0				485	170	30	50		
A182F316	0.08	2.00	0.045	0.030	1.00	16.0~18.0	2.00~3.00	10.0~14.0				515	205	30	50		
A182F316L	0.030	2.00	0.045	0.030	1.00	16.0~18.0	2.00~3.00	10.0~15.0				485	170	30	50		
A182F51	0.030	2.00	0.030	0.020	1.00	21.0~23.0	2.5~3.5	4.5~6.5				620	450	25	45		
A182F6a	0.15	1.00	0.040	0.030	1.00	11.5~13.5		0.50				585	380	18	35	167~229	
A193B7	0.37~0.49	0.65~1.10	0.035	0.040	0.15~0.35	0.75~1.20	0.15~0.25					860	720	16	50	321	
A193B7M	0.37~0.49	0.65~1.10	0.035	0.040	0.15~0.35	0.75~1.20	0.15~0.25	8.0~11.0				690	550	18	50	235	
A193B8	0.08	2.00	0.045	0.030	1.00	18.0~20.0		10.0~14.0		0.25~0.35		515	205	30	50	223	
A193B8M	0.08	2.00	0.045	0.030	1.00	16.0~18.0	2.00~3.00					515	205	30	50	223	
A193B16	0.36~0.47	0.45~0.70	0.035	0.040	0.15~0.35	0.80~1.15	0.50~0.65					860	720	18	50	321	
A1942H	≥0.40	1.00	0.040	0.050	0.04											248~352	
A1942HM	≥0.40	1.00	0.040	0.050	0.04					8.0~11.0						159~237	
A1948	0.08	2.00	0.045	0.030	1.00	18.0~20.0			10.0~14.0							126~300	
A1948M	0.08	2.00	0.045	0.030	1.00	16.0~18.0	2.00~3.00									126~300	
A216WCB	0.30	1.00	0.04	0.045	0.60	0.50	0.20	0.50	0.30	0.03		485~655	250	22	35		
A216WCC	0.25	1.20	0.04	0.045	0.60	0.50	0.2	0.50	0.30	0.03		485~655	275	22	35		
A217C5	0.20	0.40~0.70	0.04	0.045	0.75	4.00~6.50	0.45~0.65	0.50	0.50			620~795	415	18	35		
A217CA15	0.15	1.00	0.040	0.040	1.50	11.5~14.0	0.50	1.00				620~795	450	18	30		
A217WC6	0.05~0.20	0.50~0.80	0.04	0.045	0.60	1.00~1.50	0.45~0.65	0.50	0.50			485~655	275	20	35		
A217WC9	0.05~0.18	0.40~0.70	0.04	0.045	0.60	2.00~2.75	0.90~1.250			0.50		485~655	275	20	35		
A276410	0.08~0.15	1.00	0.040	0.030	1.00	11.5~13.5						480	275	20	45		
A276420	≥0.15	1.00	0.040	0.030	1.00	12.0~14.0											241
A320L7	0.38~0.048	0.75~1.00	0.035	0.040	0.15~0.35	0.80~1.10	0.15~0.25					860	725	16	50		Avg:27; min:20
A320L7M	0.38~0.048	0.75~1.00	0.035	0.040	0.15~0.358	0.80~1.10	0.15~0.25					690	550	18	50	235	Avg:27; min:20
A336F22	0.05~0.15	0.30~0.60	0.025	0.025	0.50	2.00~2.50	0.90~1.10					515~690	310	19	40		
A350LF1	0.30	0.60~1.35	0.035	0.040	0.15~0.30	0.30	0.12	0.40	0.40	0.08	0.02	415~585	205	28	38		Avg:18; min:14
A350LF2	0.30	0.60~1.35	0.035	0.040	0.15~0.30	0.30	0.12	0.40	0.40	0.08	0.02	485~655	250	30	30		Avg:20; min:16
A351CF3	0.03	1.50	0.040	0.040	2.00	1.70~21.0	0.50	8.0~12.0				485	205	35.0			
A351CF3M	0.03	1.50	0.040	0.040	1.50	17.0~21.0	2.0~3.00	9.0~13.0				485	205	30.0			
A351CF8	0.08	1.50	0.040	0.040	2.00	18.0~21.0	0.50	8.0~11.0				485	205	35.0			
A351CF8M	0.08	1.50	0.040	0.040	1.50	18.0~21.0	2.0~3.00	9.0~12.0				485	205	30.0			
A351CF8C	0.08	1.50	0.040	0.040	2.00	18.0~21.0	0.50	9.0~12.0	03.0~4.0			485	2085	30.0			
A351CN7M	0.07	1.50	0.040	0.040	1.50	19.0~22.0	2.0~3.00	27.5~30.5				425	170	35			
A352LC1	0.25	0.50~0.80	0.04	0.045	0.60			0.45~0.65				450~620	240	24	35		
A352LC2	0.25	0.50~0.80	0.04	0.045	0.60			2.00~3.00				485~655	275	24	35		Avg:18; min:14
A352LC3	0.15	0.50~0.80	0.04	0.045	0.60			3.00~4.00				485~655	275	24	35		Avg:20; min:16
A352LCB	0.30	1.00	0.04	0.045	0.60	0.50	0.20	0.50	0.30	0.03		450~620	240	24	35		Avg:20; min:16
A352LCC	0.25	1.20	0.04	0.045	0.60	0.50	0.20	0.50	0.03			485~655	275	22	35	139~202	Avg:18; min:14
A439D2	3.00	0.70~14.25	0.08		1.50~3.00	1.75~2.75	18.00~22.00					400	207	8.0			