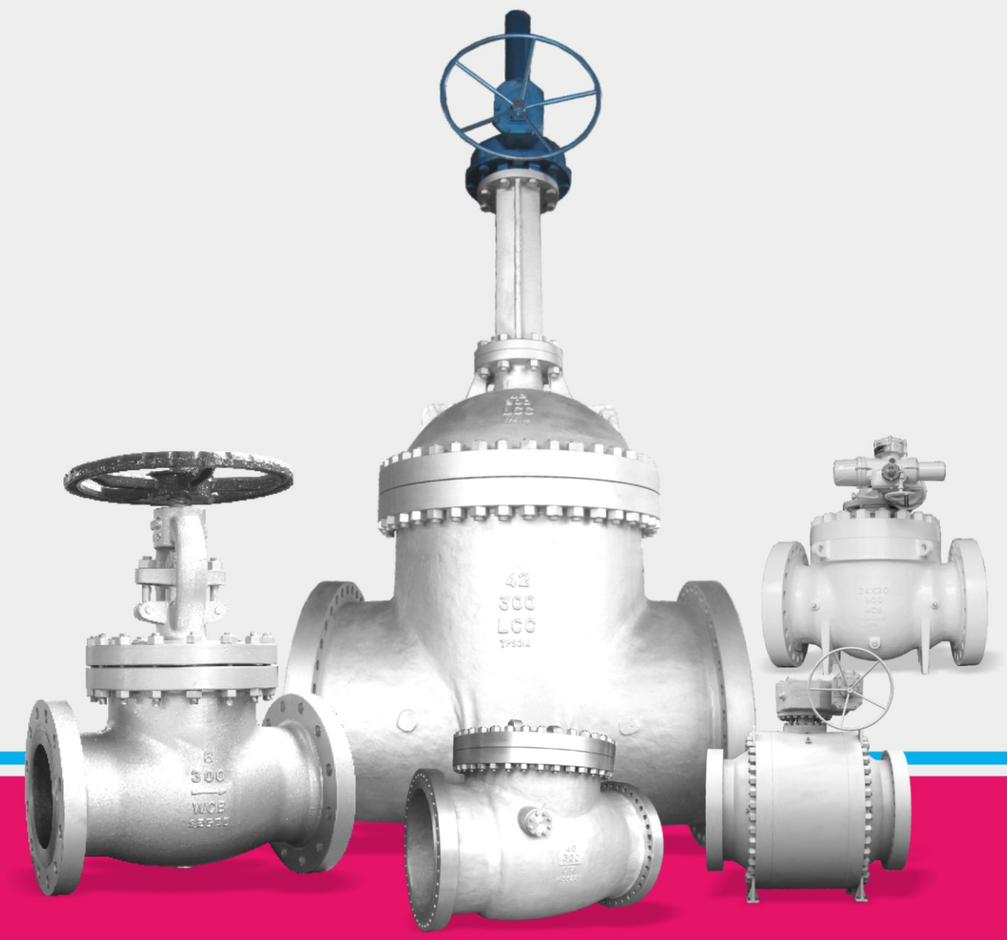


PRODUCT CATALOGUE

XIAMEN STAVAL VALVE TECHNOLOGY CO.,LTD

厦门斯嘉达阀门科技有限公司

XIAMEN STAVAL VALVE TECHNOLOGY.,LTD

Add:No.1006,Builing1,Hubin South Road,Siming District, Xiamen, China

Phone/whatsapp: +86 15759227330

Email: inquiry@stavalves.com

Web: www.stavalves.com

COMPANY PROFILE

XIAMEN STAVAL VALVE TECHNOLOGY Co., Ltd. Marketing department is located in Xiamen, China, a beautiful garden city with developed economy and convenient transportation, attracting a large number of talents and creating value for world development. And the manufacturing headquarters is located in Wenzhou, the hometown of China pumps and valves.

STAVAL is a valve company providing one-stop solution integrating production, trade and inspection services. We are committed to engineering design, manufacturing and supplying superior products, and providing excellent personal service to our customers. We have a well-established system equipped with a capable team of responsible technicians and inspectors, perfect workshop management and experienced sales department. After years of accumulation, STAVAL has a wide range of business radiation, covering South America, Europe, South Africa, the Middle East, etc, and it's still growing.

STAVAL RPODUCTS

We provide the best professional solutions for the most demanding industries, including oil and gas, chemical, petrochemical, pharmaceutical and mining. Our products include gate valves, globe valves, check valves, ball valves, butterfly valves, plug valves, strainers and so on, which sizes ranges from 1/2" all the way to 60", pressure from ANSI /ASME 125 to 4500LBS and UNI from PN6 to PN400, and the standard is according to API、ASME、ASTM、EN、DIN、GOST、GB.

STAVAL QUALITY

Outstanding quality is our first priority. STAVAL specially develops a team of experienced technicians and inspectors who have engaged in valve field for more than 10 years to control the production process and quality. From raw material selection to final shipment, we guarantee that the whole process will be under strictly monitoring.What's worthy noted is that we do 100% inspection before shipment. Inspection contents include appearance, dimensions, material chemical compositions, hydraulic test, air test, torque value, painting (type, color, thickness and painting technique), package and so on.

STAVAL ADVANTAGE

Our expertise is to figure out personalized solutions to every customer's unique requirements and provide excellent service with accurate and reasonable prices, outstanding quality and valued technical solution. We hope to be not only your business supplier, but also one part of your team!

What you want is what I want, let our indispensable advantage be your best choice!

三片式固定锻钢球阀
3PC Trunnion Forged Ball Valve

结构形式及尺寸表 Construction and Dimension

Class 900Lb

mm

Size (in)	L			H≈	H1≈	M≈	W≈(kg)	
	RF	RTJ	BW				I	II
6	610	613	610	360	250	400	352	335
8×6 ◎	737	740	737	360	250	400	462	440
10×6 ®	838	841	838	360	250	400	–	–
8	737	740	737	394	280	450	584	556
10×8 ◎	838	841	838	394	280	450	719	685
12×8 ®	965	968	965	394	280	450	–	–
10	838	841	838	502	325	500	982	935
12×10 ◎	965	968	965	502	325	500	1066	1015
14×10 ®	1029	1038	1029	502	325	500	1216	1158
16×10 ®	1130	1140	1130	502	325	500	–	–
12	965	968	965	572	380	500	1365	1300
14×12 ◎	1029	1038	1029	572	380	500	1638	1560
16×12 ◎	1130	1140	1130	572	380	500	1722	1640
18×12 ®	1219	1232	1219	572	380	500	–	–
14	1029	1038	1029	675	395	550	1727	1645
16×14 ◎	1130	1140	1130	675	395	550	1927	1835
18×14 ◎	1219	1232	1219	675	395	550	–	–
20×14 ®	1321	1334	1321	675	395	550	–	–
16	1130	1140	1130	627	406	550	2351	2239
18×16 ◎	1219	1232	1219	627	406	550	2533	2412
20×16 ◎	1321	1334	1321	627	406	550	2933	2793
18	1219	1232	1219	731	418	550	3056	2910
20×18 ◎	1321	1334	1321	731	418	550	3234	3080
20	1321	1334	1321	820	561	550	3919	3732
24×20 ◎	1549	1568	1549	820	561	550	4867	4635
24	1549	1568	1549	853	634	812	6615	6300
30×24 ◎	1880	1902	1880	853	634	914	8998	8570
26	1651	1674	1651	909	725	914	7949	7570
28×26 ◎	1753※	1775※	1753※	909	725	914	–	–
28	1753※	1775※	1753※	980	765	914	9542	9088
30×28 ◎	1880※	1902※	1880※	980	765	914	–	–
30	1880※	1902※	1880※	1095	810	914	11340	10800
32×30 ◎	2032※	2054※	2032※	1095	810	914	–	–
36×30 ◎	2286※	2315※	2286※	1095	810	914	13818	13160
32	2032※	2054※	2032※	1270	840	914	12584	11985
34	2159※	2188※	2159※	1310	860	914	18233	17365
36	2286※	2315※	2286※	1445	893	914	20497	19521

Class 1500Lb

mm

Size (in)	L			H≈	H1≈	M≈	W≈(kg)	
	RF	RTJ	BW				I	II
6	705	771	705	305	211	400	512	488
8×6 ◎	832	841	832	305	211	400	625	595
10×6 ®	991	1000	991	305	211	400	–	–
8	932	841	932	365	274	450	835	795
10×8 ◎	991	1000	991	365	274	450	1037	988
12×8 ®	1130	1146	1130	365	274	450	–	–
10	991	1000	991	440	310	500	1470	1400
12×10 ◎	1130	1146	1130	440	310	500	1580	1505
14×10 ®	1257	1276	1257	440	310	500	2251	2144
16×10 ®	1384	1407	1384	440	310	500	–	–
12	1130	1146	1130	596	485	500	1851	1763
14×12 ◎	1257	1276	1257	596	485	500	2600	2476
16×12 ◎	1384	1407	1384	596	485	500	3030	2886
18×12 ®	1537※	1559※	1537※	596	485	550	–	–
14	1257	1276	1257	661	510	550	2841	2706
16×14 ◎	1384	1407	1384	661	510	550	3360	3198
18×14 ◎	1537※	1559※	1537※	661	510	550	–	–
20×14 ®	1664※	1686※	1664※	661	510	550	–	–
16	1384	1406	1384	700	540	550	4373	4165
18×16 ◎	1537※	1559※	1537※	700	540	550	5554	5290
20×16 ◎	1664※	1686※	1664※	700	540	550	5906	5625
18	1537※	1559※	1537※	783	585	812	6332	6030
20×18 ◎	1664※	1686※	1664※	783	585	812	7521	7163
20	1664※	1686※	1664※	880	635	914	9513	9060
24×20 ◎	2043※	2071※	2043※	880	635	914	10922	10402
24	2043※	2071※	2043※	1285	720	914	15183	14460

Class 2500Lb

mm

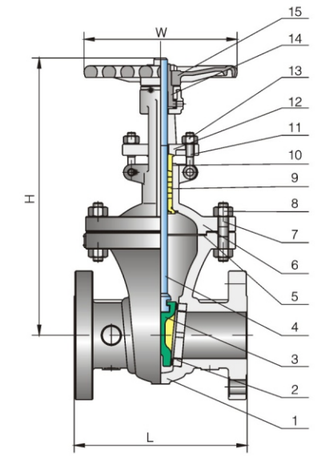
Size (in)	L			H≈	H1≈	M≈	W≈(kg)	
	RF	RTJ	BW				I	II
6	914	927	927	345	250	450	981	934
8×6 ◎	1022	1038	1038	345	250	450	1176	1120
10×6 ®	1270	1292	1292	345	250	450	–	–
8	1022	1038	1038	402	340	500	1497	1426
10×8 ◎	1270	1292	1292	402	340	500	2289	2180
12×8 ®	1422	1445	1445	402	340	500	–	–
10	1270	1292	1292	500	411	500	2527	2407
12×10 ◎	1422	1445	1445	500	411	500	3516	3350
12	1422	1445	1445	650	480	550	3967	3778

◎规则孔 Regular bore；®缩孔 Reduce bore ※L由厂方与用户协商确定 L will be confirmed by this consumer and factory.

■W 指RF法兰面球阀重量 The W in the table means weight of therefore end ball valve.

铸钢闸阀
Cast steel gate valve

铸钢闸阀Cast steel gate valve



序号No.	零件名称Part name
1	阀体Body
2	阀座Seat
3	闸板Wedge
4	阀杆Stem
5	垫片Gasket
6	阀盖Bonnet
7	螺柱Bolt
8	螺母Nut
9	填料Packing
10	填料压套Gland
11	活节螺母Gland eyebolt
12	填料压盖Gland flange
13	压盖螺母Gland nut
14	阀杆螺母Stem nut
15	手轮Handwheel

闸阀应用标准Applicable standards

设计制造Design & manufacture	API 600, BS1414, API 6D, API 603, ASME B16.34
压力温度基准 P/T class	ASME B16.34
结构长度 Face to face	ASME B16.10 API 6D DIN3202
法兰连接端 Flanged ends	ASME B16.5(≤NPS24″)DIN2501
	ASME B16.47(≥24″)
对接焊端 Butt welded ends	ASME B16.34
检查和试验 Inspection & test	API 598, ISO 5208, BS6755, API 6D

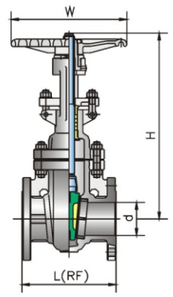
闸阀主要部件材料Material of main parts

零件名称 Part name	碳钢系列 Carbon steel			合金钢 Alloy steel			不锈钢 Stainless steel				
阀体Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 WC9	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CD4MCu
阀盖Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 WC9	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CD4MCu
阀瓣Disc	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 WC9	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CD4MCu
阀座Seat	A105	A350 LF2	A182 F304	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
阀杆Stem	A182 F6z	A182 F6a	A182 F304	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L	17–4Ph
螺柱Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A183 B8	A183 B8M	A183 B8	A183 B8M	A193 B8M
螺母Nut	A194 2H	A194 4	A194 4	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8	A194 8M	A194 8M
填料压套Gland	A276 410	A276 410	A276 304	A276 304	A276 304	A276 304	A276 304	A276 316	A276 304L	A276 316L	A182 F51
填料压板 Gland flange	A216 WCB	A352 LCB	A352 LCC	A217 WCB	A217 WC9	A217 C12	A351 CF8	A351 CF8	A351 CF8	A351 CF8	A351 CF8
填料Packing	石墨Graphite，PTFE			石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite，PTFE				
垫片GAsket	四氟垫，复合垫，缠绕垫，金属垫 Pure PTFE, Compound gasket, Spiralwounded gasket, metallic gasket			复合垫，缠绕垫，金属垫 Compound gasket, Spiralwounded gasket, metallic gasket			四氟垫，复合垫，缠绕垫，金属垫 Pure PTFE, Compound gasket, Spiralwounded gasket, metallic gasket				

材料可以由客户选择，或按客户要求Customers can choose the specific materials as per the above table or as customer's request.

铸钢闸阀
Cast steel gate valve

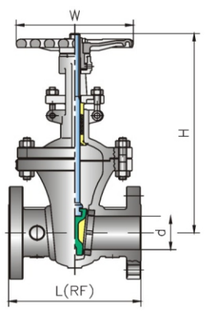
铸钢闸阀Cast steel gate valve



CLASS 150

NPS	in	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	26	28	30	32	36
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L(RF)	mm	178	190	203	229	254	267	292	330	356	381	406	432	457	508	559	610	610	660	711
L(BW)	mm	216	241	283	305	381	403	419	457	502	572	610	660	711	813	864	914	914	965	1016
L(RTJ)	mm	191	203	216	241	267	279	305	343	368	394	419	445	470	521	570	622	622	673	724
H(OPEN)	mm	395	435	485	592	675	765	960	1160	1352	1510	1703	1895	2120	2530	2920	3050	3150	3285	3825
W	mm	200	200	250	250	300	300	350	400	450	500	550	600	680	610	610	610	610	610	610
WT	kg	20	30	36	53	71	85	136	220	323	387	553	660	810	1250	1500	1935	2420	2530	3600

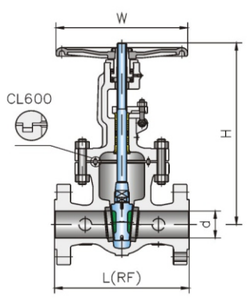
1.≥14″ 带球面推力球轴承Equipped iwth spherical thrust bearing
2.≥24″ 齿轮传动 Equipped with gear operator



CLASS 300

NPS	in	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	30
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750
L(RF)	mm	216	241	283	305	381	403	419	457	502	762	838	914	991	1143	1397
L(BW)	mm	216	241	283	305	381	403	419	457	502	762	838	914	991	1143	1397
L(RTJ)	mm	232	257	298	321	397	419	435	473	518	778	854	930	1010	1165	1422
H(OPEN)	mm	41	453	515	615	712	810	1012	1212	1415	1650	1840	2030	2240	2900	3540
W	mm	200	200	250	250	300	350	400	450	500	460	460	610	610	610	610
WT	kg	30	39	55	83	92	137	240	333	536	750	1010	1210	1750	2840	3820

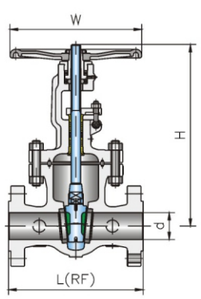
1.≥12″ 带球面推力球轴承Equipped iwth spherical thrust bearing
2.≥14″ 齿轮传动 Equipped with gear operator



CLASS 600

NPS	in	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L(RF)	mm	292	330	356	432	508	559	660	787	838	889	991	1092	11974	1397
L(BW)	mm	292	330	356	432	505	559	660	787	838	889	991	1092	1194	1397
L(RTJ)	mm	295	330	359	435	511	562	664	791	841	892	994	1095	1200	1407
H(OPEN)	mm	418	476	518	646	770	839	1024	1229	1450	1730	1835	2290	2510	3200
W	mm	250	250	300	350	400	500	600	720	610	610	610	610	760	760
WT	kg	35	50	68	104	148	208	328	496	784	1120	1448	1828	220	3360

1.≥8″ 带球面推力球轴承Equipped iwth spherical thrust bearing
2.≥12″ 齿轮传动 Equipped with gear operator

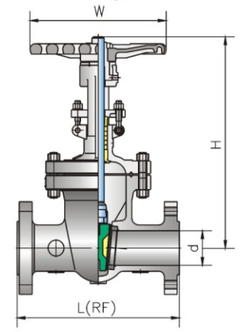


CLASS 900

NPS	in	2	2½	3	4	6	8	10	12	14	16
DN	mm	50	65	80	100	150	200	250	300	350	400
L(RF)	mm	368	419	381	457	610	737	838	965	1029	1130
L(BW)	mm	368	419	381	457	610	737	838	965	1029	1130
L(RTJ)	mm	371	422	384	460	613	740	841	968	1038	1140
H(OPEN)	mm	547	700	587	679	900	1103	1590	1795	2025	2170
W	mm	300	350	400	450	550	460	610	610	760	760
WT	kg	90	110	123	148	420	650	1160	1700	2300	2750

1.≥6″ 带球面推力球轴承Equipped iwth spherical thrust bearing
2.≥8″ 齿轮传动 Equipped with gear operator

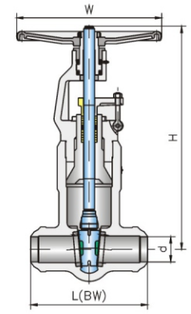
铸钢闸阀
Cast steel gate valve



CLASS 1500

NPS	in	2	2½	3	4	6	8	10	12	14	16
DN	mm	50	65	80	100	150	200	250	300	350	400
L(RF)	mm	368	419	470	546	705	832	991	1130	1257	1384
L(BW)	mm	368	419	470	546	705	832	991	1130	1257	1384
L(RTJ)	mm	371	422	473	549	711	841	1000	1146	1276	1407
H(OPEN)	mm	547	700	806	887	1079	1370	1520	1651	1945	2250
W	mm	350	400	450	550	460	610	760	760	760	760
WT	kg	93	144	185	285	584	978	1990	2850	3320	4890

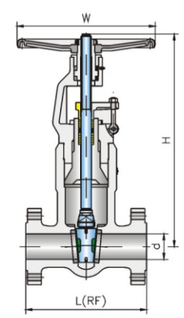
1.≥6″ 带球面推力球轴承Equipped iwth spherical thrust bearing
2.≥8″ 齿轮传动 Equipped with gear operator



CLASS 900

NPS	in	2	2½	3	4	6	8	10	12	14	16
DN	mm	50	65	80	100	150	200	250	300	350	400
L(RF)	mm	368	419	381	457	610	737	838	965	1029	1130
L(BW)	mm	216	254	305	356	508	660	787	914	991	1092
L(RTJ)	mm	371	422	384	460	613	740	841	968	1038	1140
H(OPEN)	mm	600	653	684	843	1092	1372	1494	1892	2144	2046
W	mm	300	350	400	450	550	460	610	610	760	760
WT	kg	42	45	60	120	280	465	690	942	1440	1990

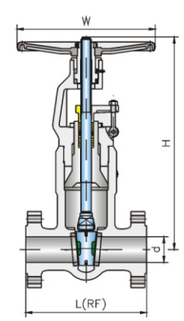
1.≥6″ 齿轮传动 Equipped with gear operator



CLASS 1500

NPS	in	2	2½	3	4	6	8	10	12	14	16
DN	mm	50	65	80	100	150	200	250	300	350	400
L(RF)	mm	368	419	470	546	705	832	991	1130	1257	1384
L(BW)	mm	216	254	305	406	559	711	864	991	1067	1194
L(RTJ)	mm	371	422	473	549	711	841	1000	1146	1276	1407
H(OPEN)	mm	600	653	700	850	1168	1372	1655	1810	2215	2330
W	mm	350	400	450	550	460	610	760	760	760	760
WT	kg	42	45	60	125	400	586	974	1464	2140	2750

1.≥6″ 齿轮传动 Equipped with gear operator

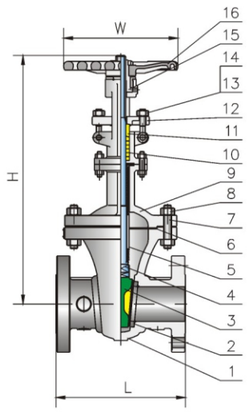


CLASS 2500

NPS	in	2	2½	3	4	6	8
DN	mm	50	65	80	100	150	200
L(RF)	mm	451	508	578	673	914	1022
L(BW)	mm	279	330	368	457	610	762
L(RTJ)	mm	454	514	584	683	927	1038
H(OPEN)	mm	620	647	760	982	933	1345
W	mm	350	400	450	550	610	610
WT	kg	52	55	80	130	480	828

1.≥6″ 齿轮传动 Equipped with gear operator

美标铸钢波纹管闸阀
API cast steel bellow seal gate valve



序号No.	零件名称Part name
1	阀体Body
2	阀座Seat
3	闸板Wedge
4	阀杆Stem
5	波纹管组件Bellow assembie
6	垫片Gasket
7	螺柱Bolt
8	螺母Nut
9	阀盖Bonnet
10	填料Packing
11	填料压套Gland
12	填料压盖Gland flange
13	活节螺母Gland eyebolt
14	压盖螺母Gland nut
15	阀杆螺母Stem nut
16	手轮Handwheel

波纹管闸阀应用标准Applicable standards

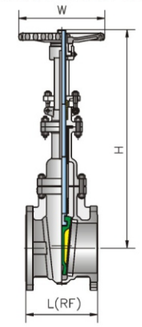
设计制造Design & manufacture	API 600, ASME B16.34, MSS-SP-117
压力温度基准 P/T class	ASME B16.34
结构长度 Face to face	ASME B16.10 API 6D
法兰连接端 Flanged ends	ASME B16.5(NPS24″)
	ASME B16.47(≥24″)
对接焊端 Butt welded ends	ASME B16.25
检查和试验 Inspection & test	API 598, ISO 5208, API 6D

波纹管闸阀主要部件材料Material of main parts

零件名称 Part name	碳钢系列 Carbon steel			不锈钢 Stainless steel			
阀体Body	A216 WCB	A352 LCB	A352 LCC	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
阀盖Bonnet	A216 WCB	A352 LCB	A352 LCC	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
闸板Seat	A216 WCB	A352 LCB	A352 LCC	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
阀座Seat	A105	A350 LF2	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
波纹管Bellow	F304、F316L、Inconel 625、Hastelloy C276、Monel、SS321						
阀杆Stem	A182 F6z	A182 F6a	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
螺柱Bolt	A193 B7	A320 L7	A320 L7	A183 B8	A183 B8M	A183 B8	A183 B8M
螺母Nut	A194 2H	A194 4	A194 4	A194 8	A194 8M	A194 8	A194 8M
填料压套Gland	A276 410	A276 410	A276 304	A276 304	A276 316	A276 304L	A276 316L
填料压板 Gland flange	A216 WCB	A352 LCB	A352 LCC	A351 CF8	A351 CF8	A351 CF8	A351 CF8
填料Packing	石墨Graphite，PTFE			石墨Graphite，PTFE			
垫片Gasket	柔性石墨+不锈钢Flexible Graphite+stainless steel			柔性石墨+不锈钢Flexible Graphite+stainless steel			

材料可以由客户选择，或按客户要求Customers can choose the specific materials as per the above table or as customer's request.

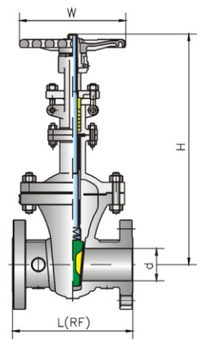
美标铸钢波纹管闸阀
API cast steel bellow seal gate valve



CLASS 150

NPS	in	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L(RF)	mm	178	190	203	229	267	267	292	330	356	381	400	432	457	508
L(BW)	mm	216	241	283	305	403	403	419	457	502	572	610	660	711	813
H(OPEN)	mm	570	680	755	865	1120	1120	1460	1790	2270	2670	3110	3500	4160	5170
W	mm	200	200	250	250	300	300	350	400	450	500	550	600	680	610
WT	kg	300	50	650	80	125	125	160	260	340	500	610	780	900	1350

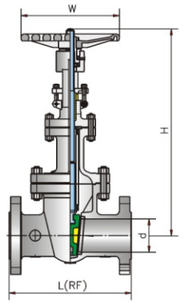
1.≥14″ 带球面推力球轴承Equipped iwth spherical thrust bearing
2.≥24″ 齿轮传动 Equipped with gear operator



CLASS 300

NPS	in	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L(RF)	mm	178	241	283	305	381	403	419	457	502	762	838	914	991	1143
L(BW)	mm	216	241	283	305	381	403	419	457	502	762	838	914	991	1143
H(OPEN)	mm	570	830	950	1175	1300	1500	1800	2150	2480	2800	3250	3600	4300	5300
W	mm	200	200	250	250	300	3500	400	450	500	460	460	610	610	6100
WT	kg	300	53	80	95	130	220	300	490	700	940	1150	1600	2600	300

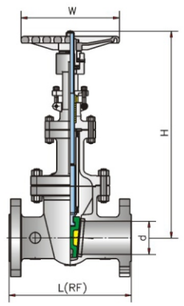
1.≥12″ 带球面推力球轴承Equipped iwth spherical thrust bearing
2.≥14″ 齿轮传动 Equipped with gear operator



CLASS 600

NPS	in	2	2½	3	4	5	6	8	10	12	14	16	18	20
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500
L(RF)	mm	292	330	356	432	508	559	660	787	838	889	991	1092	1194
L(BW)	mm	292	330	356	432	508	559	660	787	838	889	991	1092	1194
H(OPEN)	mm	920	980	1010	1190	1380	1730	2100	2370	2770	3080	3570	3950	4700
W	mm	250	250	300	350	400	500	600	720	610	610	610	610	760
WT	kg	50	70	95	120	180	250	440	680	900	1280	1480	1990	3030

1.≥8″ 带球面推力球轴承Equipped iwth spherical thrust bearing
2.≥8″ 齿轮传动 Equipped with gear operator



CLASS 900

NPS	in	2	2½	3	4	6	8	10	12	14	16
DN	mm	50	65	80	100	150	200	250	300	350	400
L(RF)	mm	368	419	381	457	610	737	838	965	1029	1130
L(BW)	mm	368	419	381	457	610	737	838	965	1029	1130
L(RTJ)	mm	371	422	384	460	613	740	841	968	1038	1140
H(OPEN)	mm	547	700	587	679	900	1103	1590	1795	2025	2170
W	mm	300	350	400	450	550	460	610	610	760	760
WT	kg	90	110	123	148	420	650	1160	1700	2300	2750

1.≥6″ 带球面推力球轴承Equipped iwth spherical thrust bearing
2.≥8″ 齿轮传动 Equipped with gear operator

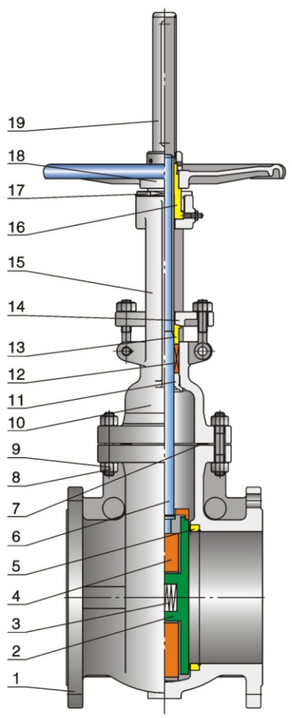
平板阀系列
Flat gate valve series

双闸板平板闸阀 Double-disc Parallel Gate Valve

闸阀应用标准Applicable standards

设计制造Design & manufacture	API 600, BS1414, API 6D, API 603, ASME B16.34
压力温度基准 P/T class	ASME B16.34
结构长度 Face to face	ASME B16.10 API 6D DIN3202
法兰连接端 Flanged ends	ASME B16.5(≤NPS24″)DIN2501
	ASME B16.47(≥24″)
对接焊端 Butt welded ends	ASME B16.34
检查和试验 Inspection & test	API 598, ISO 5208, BS6755, API 6D

主要零件材料 Major Parts Material Form

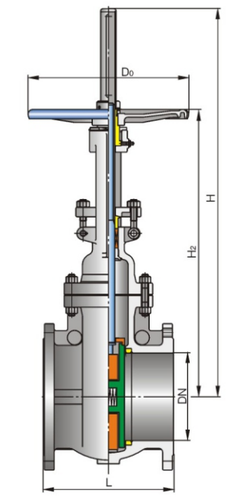


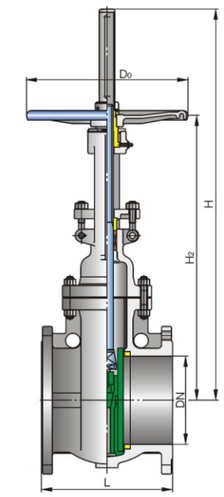
序号 No.	零件名称 Accessory name	材 料 Material			
		普通型 Ordinary type		抗硫型 Antisulphur type	
		GB	ASTM	GB	ASTM
1	阀体 Body	WCB	A216-WCB	WCB	A216-WCB
2	闸板 Disc	25+STL	A105+STL	1Cr18Ni9+STL	A276-304+STL
3	弹簧 Spring	65MM Inconel X-750			
4	闸板架 Disc frame	WCB	A216-WCB	WCB	A216-WCB
5	阀座 Seat	25+STL	A105+STL	1Cr18Ni9+STL	A276-304+STL
6	阀杆 Stem	2Cr13	A276-410	1Cr18Ni9	A276-304
7	垫片 Gasket	柔性石墨+1Cr18Ni9 Graphite+1Cr18Ni9	柔性石墨+304 Graphite+304	柔性石墨+1Cr18Ni9 Graphite+1Cr18Ni9	柔性石墨+304 Graphite+304
8	螺柱 Stud	35CrMoA	A193-B7	35CrMoA	A193-B7
9	螺母 Nut	35	A194-2H	35	A194-2H
10	阀盖 Bonnet	WCB	A216-WCB	WCB	A216-WCB
11	上密封座 Back seat	1Cr13	A276-410	1Cr18Ni9	A276-304
12	填料 Packing	柔性石墨 Graphite			
13	填料压套 Packing press-sleeve	2Cr13	A276-420	2Cr13	A276-420
14	填料压盖 Packing gland	WCB	A276-WCB	WCB	A216-WCB
15	支架 Yoke	WCB	A216-WCB	WCB	A216-WCB
16	阀杆螺母 Stem nut	ZQA19-4	C95500	ZQA19-4	C95500
17	压盖 Gland	25	A105	25	A105
18	手轮 Hand wheel	QT400-17	A536-60-40-18	QT400-17	A536-60-40-18
19	指示罩 Indicating cover	25	A105	25	A105

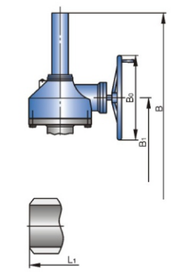
注：阀门主要零部件材质可根据实际工况条件或用户特殊要求设计选用。
Note: The major parts of the valves can be designed and selected according to actual work condition or customers' specific requirement.

平板阀系列
Flat gate valve series

自动补偿平衡式双平板闸阀 Auto Compensation Balanced Double Parallel Gate Valve
双闸板平板闸阀 Double-disc Parallel Gate Valve







主要外形尺寸 Main Size of Outside

PN1.6、2.5MPa PN2.0MPa API 6D Class150

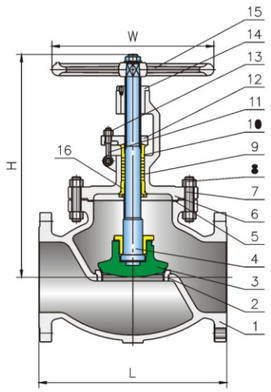
DN (mm)	NPS (in)	法兰Flange L		对焊 Butt welding	手 动 Hand-operated			齿 动 Geared driving		
		GB	API	L_1	H	H_2	D_0	B	B_1	B_0
50	2	250	178	216	475	360	250	–	–	–
65	2½	280	190	241	535	425	300	–	–	–
80	3	310	203	283	600	460	300	–	–	–
100	4	350	229	305	700	535	350	–	–	–
150	6	450	267	403	910	685	350	–	–	–
200	8	550	292	419	1095	815	350	1235	900	310
250	10	650	330	457	1370	965	450	1510	1050	310
300	12	750	356	502	1470	1100	500	1610	1185	310
350	14	850	381	572	1730	1250	600	1890	1345	460
400	16	950	406	610	1870	1375	650	2030	1470	460
450	18	1050	432	660	2185	1485	700	2415	1625	460
500	20	1150	457	711	2335	1575	800	2565	1715	460
600	24	1350	508	813	2815	1995	1000	3045	2135	460
700	28	1450	610	914	–	–	–	–	–	–
800	32	1650	660	965	–	–	–	–	–	–
900	36	1880	813	1016	–	–	–	–	–	–

主要外形尺寸 Main Size of Outside

PN4.0MPa PN5.0MPa API 6D Class300

DN (mm)	NPS (in)	法兰Flange L		对焊 Butt welding	手 动 Hand-operated			齿 动 Geared driving		
		GB	API	L_1	H	H_2	D_0	B	B_1	B_0
50	2	250	216	216	475	360	250	–	–	–
65	2½	280	241	241	535	425	300	–	–	–
80	3	310	283	283	600	460	300	–	–	–
100	4	350	305	305	700	535	350	–	–	–
150	6	450	403	403	910	685	350	–	–	–
200	8	550	419	419	1095	815	350	1235	900	310
250	10	650	457	457	1370	965	450	1510	1050	310
300	12	750	502	502	1470	1100	500	1610	1185	310
350	14	850	762	762	1730	1250	600	1890	1345	460
400	16	950	838	838	1870	1375	650	2030	1470	460
450	18	1050	914	914	2185	1485	700	2415	1625	460
500	20	1150	991	991	2335	1575	800	2565	1715	460
600	24	1350	1143	1143	2815	1995	1000	3045	2135	460
700	28	1450	1346	1346	–	–	–	–	–	–
800	32	1650	1524	1524	–	–	–	–	–	–
900	36	1880	1727	1727	–	–	–	–	–	–

铸钢截止阀
Cast steel globe valve



序号No.	零件名称Part name
1	阀体Body
2	阀座Seat
3	闸板Wedge
4	阀杆Stem
5	垫片Gasket
6	阀盖Bonnet
7	螺柱Bolt
8	螺母Nut
9	填料Packing
10	填料压套Gland
11	活节螺栓Gland eyebolt
12	填料压盖Gland flange
13	压盖螺母Gland nut
14	阀杆螺母Stem nut
15	手轮Handwheel
16	上密封座Backseat

截止阀应用标准Applicable standards

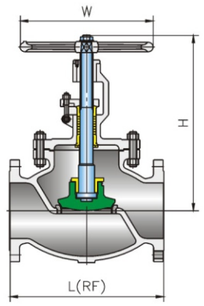
设计制造Design & manufacture	BS1873, API 603, ASME B16.34
压力温度基准 P/T class	ASME B16.34
结构长度 Face to face	ASME B16.10 DIN3202
法兰连接端 Flanged ends	ASME B16.5(≥NPS24″)DIN2501
对接焊端 Butt welded ends	ASME B16.25
检查和试验 Inspection & test	API 598, ISO 5208, BS6755,

截止阀主要部件材料Material of main parts

零件名称 Part name	碳钢系列 Carbon steel			合金钢 Alloy steel			不锈钢 Stainless steel				
阀体Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 WC9	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CD4MCu
阀盖Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 WC9	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CD4MCu
阀瓣Disc	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 WC9	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CD4MCu
阀座Seat	A105	A350 LF2	A182 F304	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
阀杆Stem	A182 F6z	A182 F6a	A182 F304	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L	17–4Ph
螺柱Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A183 B8	A183 B8M	A183 B8	A183 B8M	A193 B8M
螺母Nut	A194 2H	A194 4	A194 4	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8	A194 8M	A194 8M
填料压套Gland	A276 410	A276 410	A276 304	A276 304	A276 304	A276 304	A276 304	A276 316	A276 304L	A276 316L	A182 F51
填料压板 Gland flange	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 WC9	A217 C12	A351 CF8	A351 CF8	A351 CF8	A351 CF8	A351 CF8
填料Packing	石墨Graphite，PTFE			石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite，PTFE				
垫片GAsket	四氟垫，复合垫，缠绕垫，金属垫 Pure PTFE, Compound gasket, Spiralwounded gasket, metallic gasket			复合垫，缠绕垫，金属垫 Compound gasket, Spiralwounded gasket, metallic gasket			四氟垫，复合垫，缠绕垫，金属垫 Pure PTFE, Compound gasket, Spiralwounded gasket, metallic gasket				

材料可以由客户选择，或按客户要求Customers can choose the specific materials as per the above table or as customer's request.

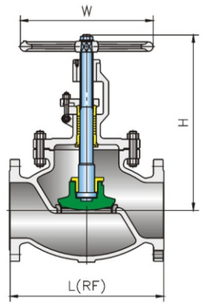
铸钢截止阀
Cast steel globe valve



CLASS 150

NPS	in	2	2½	3	4	5	6	8	10	12	14	16
DN	mm	50	65	80	100	125	150	200	250	300	350	400
L(RF)	mm	203	216	241	292	356	406	495	622	698	787	914
L(BW)	mm	203	216	241	292	356	406	495	622	698	787	914
L(RTJ)	mm	216	229	254	305	368	419	508	635	711	800	927
H(OPEN)	mm	373	390	421	515	538	567	626	712	862	950	994
W	mm	200	250	250	300	350	350	400	500	460	460	460
WT	kg	21	28	42	64	77	105	154	288	507	640	870

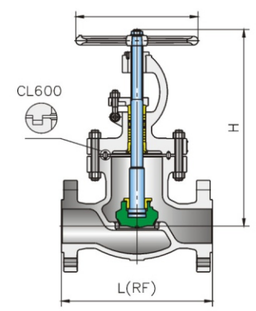
1.≥12″ 齿轮传动 Equipped with gear operator



CLASS 300

NPS	in	2	2½	3	4	5	6	8	10	12	14	16
DN	mm	50	65	80	100	125	150	200	250	300	350	400
L(RF)	mm	267	292	318	356	400	444	559	622	711	838	864
L(BW)	mm	267	292	318	356	400	444	559	622	711	838	864
L(RTJ)	mm	283	308	333	371	416	460	575	638	727	854	880
H(OPEN)	mm	398	436	462	560	620	694	982	1130	1049	1385	1560
W	mm	200	250	250	350	400	450	560	864	460	610	610
WT	kg	31	43	57	86	130	168	280	385	724	820	1060

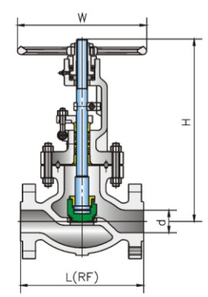
1.≥12″ 齿轮传动 Equipped with gear operator



CLASS 600

NPS	in	2	2½	3	4	6	8	10	12
DN	mm	50	65	80	100	150	200	250	300
L(RF)	mm	292	330	356	432	559	660	787	838
L(BW)	mm	292	330	356	432	559	660	787	838
L(RTJ)	mm	295	333	359	435	562	664	791	840
H(OPEN)	mm	425	502	520	620	886	932	1040	1280
W	mm	250	300	350	450	720	460	610	760
WT	kg	39	58	73	120	327	482	700	900

1.≥8″ 齿轮传动 Equipped with gear operator

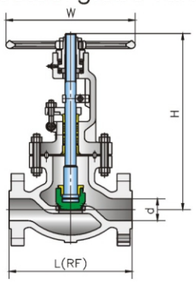


CLASS 900

NPS	in	2	2½	3	4	6	8
DN	mm	50	65	80	100	150	200
L(RF)	mm	368	419	381	457	610	737
L(BW)	mm	368	419	381	457	610	737
L(RTJ)	mm	371	422	384	460	613	740
H(OPEN)	mm	535	630	675	780	935	1050
W	mm	350	400	450	560	460	610
WT	kg	75	94	105	185	340	630

1.≥6″ 齿轮传动 Equipped with gear operator

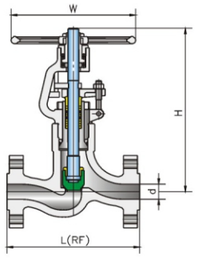
铸钢截止阀
Cast steel globe valve



CLASS 1500

NPS	in	2	2½	3	4	6	8
DN	mm	50	65	80	100	150	200
L(RF)	mm	368	419	470	546	705	832
L(BW)	mm	368	419	470	546	705	832
L(RTJ)	mm	371	422	473	549	711	841
H(OPEN)	mm	592	660	692	907	1015	1145
W	mm	350	400	450	460	610	610
WT	kg	84	115	183	277	415	615

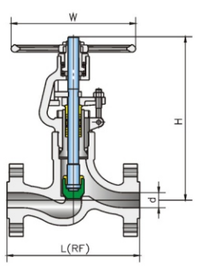
1.≥6″ 齿轮传动 Equipped with gear operator



CLASS 900

NPS	in	2	2½	3	4	6	8	10	12	14
DN	mm	50	65	80	100	150	200	250	300	350
L(RF)	mm	368	419	381	457	610	737	838	965	1029
L(BW)	mm	371	422	384	460	613	740	841	968	1039
L(RTJ)	mm	216	254	305	356	508	660	787	914	990
H(OPEN)	mm	457	457	457	584	825	990	1186	1320	1524
W	mm	350	400	450	560	460	610	910	910	910
WT(BW)	kg	55	65	80	120	261	437	727	1030	1534
WT	kg	75	94	105	185	340	630	950	1350	2050

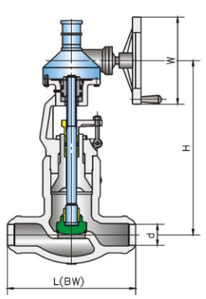
1.≥6″ 齿轮传动 Equipped with gear operator



CLASS 1500

NPS	in	2	2½	3	4	6	8	10	12
DN	mm	50	65	80	100	150	200	250	300
L(RF)	mm	368	419	470	546	705	832	991	1130
L(BW)	mm	371	422	473	549	711	841	1001	1146
L(RTJ)	mm	216	254	305	406	559	711	864	991
H(OPEN)	mm	592	660	692	907	1015	1145	1270	1447
W	mm	350	400	450	460	610	610	910	1060
WT(BW)	kg	55	65	100	160	367	626	1163	1835
WT	kg	84	115	183	277	510	852	1533	2390

1.≥6″ 齿轮传动 Equipped with gear operator

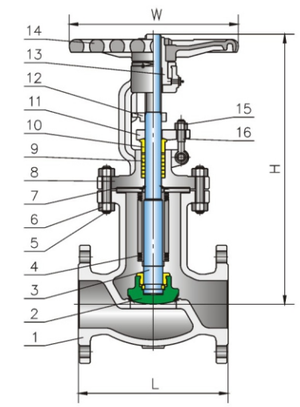


CLASS 2500

NPS	in	2	2½	3	4	6	8	10	12
DN	mm	50	65	80	100	150	200	250	300
L(RF)	mm	451	508	578	673	914	1022	1270	1422
L(BW)	mm	454	524	584	683	927	1038	1292	1444
L(RTJ)	mm	279	330	368	457	610	762	914	1041
H(OPEN)	mm	592	660	692	907	1015	1200	1416	1524
W	mm	400	400	450	460	710	910	1060	1060
WT(BW)	kg	74	74	114	240	459	767	1320	1905
WT	kg	120	120	195	360	770	1238	2222	3310

1 ≥6″ 齿轮传动 Equipped with gear operator

美标铸钢波纹管截止阀
API cast steel bellow seal gate valve



序号No.	零件名称Part name
1	阀体Body
2	阀瓣Disc
3	阀杆Stem
4	波纹管组件Bellow assembie
5	螺柱Bolt
6	螺母Nut
7	垫片Gasket
8	阀盖Bonnet
9	填料Packing
10	填料压套Gland
11	填料压盖Gland flange
12	定位块Guiding piece
13	阀杆螺母Stem nut
14	手轮Handwheel
15	活节螺栓Gland eyebolt
16	压盖螺母Gland nut

波纹管截止阀应用标准Applicable standards

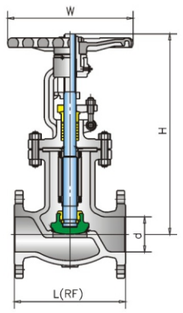
设计制造Design & manufacture	BS1873, ASME B16.34, MSS-SP-117
压力温度基准 P/T class	ASME B16.34
结构长度 Face to face	ASME B16.10
法兰连接端 Flanged ends	ASME B16.5
对接焊端 Butt welded ends	ASME B16.25
检查和试验 Inspection & test	API 598

波纹管截止阀主要部件材料Material of main parts

零件名称 Part name	碳钢系列 Carbon steel			不锈钢 Stainless steel			
阀体Body	A216 WCB	A352 LCB	A352 LCC	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
阀盖Bonnet	A216 WCB	A352 LCB	A352 LCC	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
阀瓣Bonnet	A216 WCB	A352 LCB	A352 LCC	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
波纹管Bellow	F304、F316L、Inconel 625、Hastelloy C276、Monel、SS321						
阀杆Stem	A182 F6z	A182 F6a	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
螺柱Bolt	A193 B7	A320 L7	A320 L7	A183 B8	A183 B8M	A183 B8	A183 B8M
螺母Nut	A194 2H	A194 4	A194 4	A194 8	A194 8M	A194 8	A194 8M
填料压套Gland	A276 410	A276 410	A276 304	A276 304	A276 316	A276 304L	A276 316L
填料压板 Gland flange	A216 WCB	A352 LCB	A352 LCC	A351 CF8	A351 CF8	A351 CF8	A351 CF8
填料Packing	石墨Graphite，PTFE			石墨Graphite，PTFE			
垫片Gasket	柔性石墨+不锈钢Flexible Graphite+stainless steel			柔性石墨+不锈钢Flexible Graphite+stainless steel			

材料可以由客户选择，或按客户要求Customers can choose the specific materials as per the above table or as customer's request.

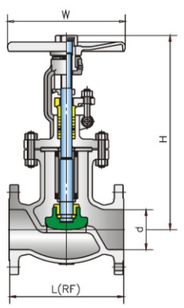
美标铸钢波纹管截止阀
API cast steel bellow seal gate valve



CLASS 150

NPS	in	2	2½	3	4	5	6	8	10	12	14	16
DN	mm	50	65	80	100	125	150	200	250	300	350	400
L(RF)	mm	203	216	241	292	356	406	495	622	698	787	994
L(BW)	mm	203	216	241	292	356	406	495	622	698	787	994
H(OPEN)	mm	470	560	560	660	700	750	900	1300	1600	1800	1950
W	mm	220	250	280	320	350	400	450	560	460	460	460
WT	kg	24	32	48	74	89	121	177	331	583	736	1000

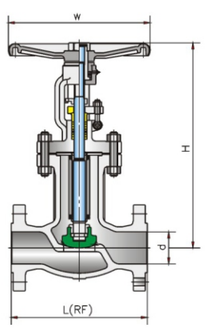
1.≥12″ 齿轮传动 Equipped with gear operator



CLASS 300

NPS	in	2	2½	3	4	5	6	8	10	12	14	16
DN	mm	50	65	80	100	125	150	200	250	300	350	400
L(RF)	mm	267	292	318	356	400	444	559	622	711	838	864
L(BW)	mm	267	292	318	356	400	444	559	622	711	838	864
H(OPEN)	mm	510	560	560	660	700	850	1080	1300	1600	1900	1950
W	mm	250	280	300	350	400	450	560	560	460	610	610
WT	kg	31	43	57	86	130	168	288	424	798	902	1060

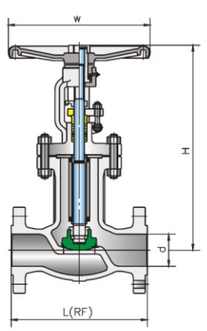
1.≥12″ 齿轮传动 Equipped with gear operator



CLASS 600

NPS	in	2	2½	3	4	5	6	8	10	12
DN	mm	50	65	80	100	125	150	200	250	300
L(RF)	mm	292	330	356	432	559	559	660	787	838
L(BW)	mm	292	330	356	432	559	559	660	787	838
H(OPEN)	mm	510	650	650	720	710	960	1200	1450	1700
W	mm	250	300	350	450	720	720	460	610	760
WT	kg	39	58	73	120	327	327	530	840	1150

1.≥12″ 齿轮传动 Equipped with gear operator

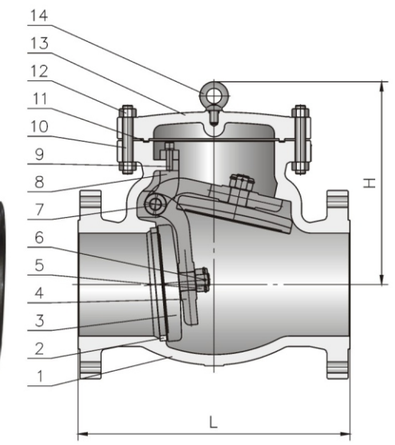


CLASS 900

NPS	in	2	2½	3	4	5	6	8	10	12
DN	mm	50	65	80	100	125	150	–	–	–
L(RF)	mm	368	419	381	457	559	610	–	–	–
L(BW)	mm	368	419	381	457	559	610	–	–	–
H(OPEN)	mm	600	700	760	885	1065	1200	–	–	–
W	mm	350	350	400	450	550	650	–	–	–
WT	kg	55	68	95	160	270	410	–	–	–

1.≥12″ 齿轮传动 Equipped with gear operator

铸钢止回阀
Cast steel check valve



序号No.	零件名称Part name
1	阀体Body
2	阀座Seat
3	阀瓣Disc
4	摇杆Hinge
5	阀瓣螺母Disc nut
6	开口销Lock pin
7	销轴Pin
8	挂架Yoke
9	螺钉Screw
10	螺柱Bolt
11	垫片Gasket
12	螺母Nut
13	阀盖Bonnet
14	吊环Hook screw

止回阀应用标准Applicable standards

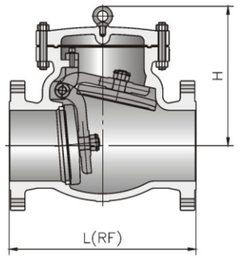
设计制造 Design & manufacture	旋启式Swing type	API 6D, BS 1868, ASME B16.34
	升降式Lift type	BS 1873, ASME B16.34
	双瓣式Dual plates type	API 6D, API 594, ASME B16.34
压力温度基准 P/T class		ASME B16.34
结构长度 Face to face	旋启式Swing type	ASME B16.10 API 6D DIN3202
	升降式Lift type	ASME B16.10 DIN 3202
	双瓣式Dual plates type	API 6D, API 594
法兰连接端 Flanged ends		ASME B16.5(≥NPS24″)DIN2501
		ASME B16.47(≥24″)
对接焊端 Butt welded ends		ASME B16.25
检查和试验 Inspection & test		API 598, ISO 5208, BS6755, API 6D

止回阀主要部件材料Material of main parts

零件名称 Part name	碳钢系列 Carbon steel			合金钢 Alloy steel			不锈钢 Stainless steel				
阀体Body	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 WC9	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CD4MCu
阀盖Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 WC9	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CD4MCu
阀瓣Disc	A216 WCB	A352 LCB	A352 LCC	A217 WC6	A217 WC9	A217 C12	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CD4MCu
阀座Seat	A105	A350 LF2	A182 F304	A182 F11	A182 F22	A182 F9	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
阀杆Stem	A182 F6a	A182 F6a	A182 F304	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L	17–4Ph
螺柱Bolt	A193 B7	A320 L7	A320 L7	A193 B16	A193 B16	A193 B16	A183 B8	A183 B8M	A183 B8	A183 B8M	A193 B8M
螺母Nut	A194 2H	A194 4	A194 4	A194 4	A194 4	A194 4	A194 8	A194 8M	A194 8	A194 8M	A194 8M
垫片GAsket	四氟垫，复合垫，缠绕垫，金属垫 Pure PTFE, Compound gasket, Spiralwounded gasket, metallic gasket			复合垫，缠绕垫，金属垫 Compound gasket, Spiralwounded gasket, metallic gasket			四氟垫，复合垫，缠绕垫，金属垫 Pure PTFE, Compound gasket, Spiralwounded gasket, metallic gasket				

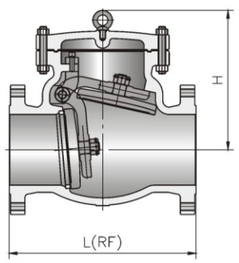
材料可以由客户选择，或按客户要求Customers can choose the specific materials as per the above table or as customer's request

铸钢止回阀
Cast steel check valve



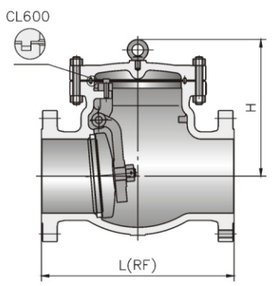
CLASS 150

NPS	in	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	30	36
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750	900
L(RF)	mm	203	216	241	292	330	356	495	622	698	787	864	978	978	1295	1524	1955
L(BW)	mm	203	216	241	292	330	356	495	622	698	787	864	978	978	1295	1524	1955
L(RTJ)	mm	216	229	254	305	343	368	508	635	711	800	876	991	991	1308	1537	1968
H	mm	150	168	180	204	230	275	340	355	410	480	556	620	680	740	980	1935
WT	kg	17	21	30	42	72	74	110	182	285	375	570	665	810	1450	1890	2250



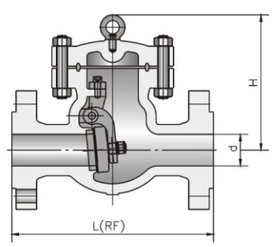
CLASS 300

NPS	in	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	30
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750
L(RF)	mm	267	292	318	356	400	444	533	622	711	838	864	978	1016	1346	1594
L(BW)	mm	267	292	318	356	400	444	533	622	711	838	864	978	1016	1346	1594
L(RTJ)	mm	283	308	333	371	416	460	549	638	727	854	879	994	1036	1368	1619
H	mm	180	185	210	270	345	360	370	385	440	520	554	590	614	725	866
WT	kg	21	32	43	61	84	131	220	385	455	680	840	1025	1320	2040	2830



CLASS 600

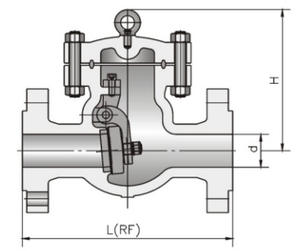
NPS	in	2	2½	3	4	6	8	10	12	14	16	18	20	24
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L(RF)	mm	292	330	356	432	559	660	787	838	889	991	1092	1194	1397
L(BW)	mm	292	330	356	432	559	660	787	838	889	991	1092	1194	1397
L(RTJ)	mm	295	333	359	435	562	664	791	841	892	994	1095	1200	1407
H	mm	197	207	231	281	362	437	490	528	572	660	720	746	960
WT	kg	36	49	68	111	230	416	673	875	944	1220	1620	2120	3100



CLASS 900

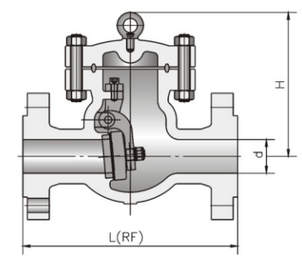
NPS	in	2	2½	3	4	6	8	10	12	14	16
DN	mm	50	65	80	100	150	200	250	300	350	400
L(RF)	mm	368	419	381	457	610	737	838	965	1029	1130
L(BW)	mm	368	419	381	457	610	737	838	965	1029	1130
L(RTJ)	mm	371	422	384	460	508	740	841	968	1038	1140
H	kg	240	260	280	320	382	530	560	590	630	700
WT		69	93	91	145	259	565	900	1200	1500	2130

铸钢止回阀
Cast steel check valve



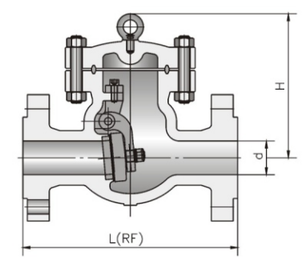
CLASS 900

NPS	in	2	2½	3	4	6	8	10	12
DN	mm	50	65	80	100	150	200	250	300
L(RF)	mm	368	419	470	546	705	832	991	1130
L(BW)	mm	368	419	470	546	705	832	991	1130
L(RTJ)	mm	371	422	473	549	711	841	1000	1146
H	kg	310	330	350	375	400	530	560	650
WT		69	93	140	232	490	990	1490	1970



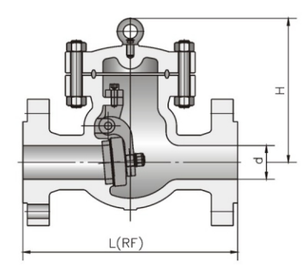
CLASS 900

NPS	in	2	2½	3	4	6	8	10	12	14	16
DN	mm	50	65	80	100	150	200	250	300	350	400
L(RF)	mm	368	419	381	457	610	737	838	965	1029	1130
L(BW)	mm	371	422	381	460	613	740	841	968	1038	1140
L(RTJ)	mm	216	254	305	356	508	660	787	914	991	1092
H	kg	240	260	280	320	382	530	560	590	630	700
WT		55	66	80	100	200	460	700	1020	1220	1350



CLASS 1500

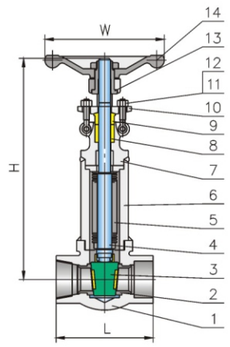
NPS	in	2	2½	3	4	6	8	10	12	14	16
DN	mm	50	65	80	100	150	200	250	300	350	400
L(RF)	mm	368	419	470	546	705	832	991	1130	1257	1384
L(BW)	mm	371	422	473	549	711	841	1000	1146	1276	1406
L(RTJ)	mm	216	254	305	406	559	711	867	991	1067	1194
H	kg	310	330	350	375	400	530	560	650	770	850
WT		55	66	100	130	290	600	900	1200	1500	1700



CLASS 2500

NPS	in	2	2½	3	4	6	8	10	12	14	16
DN	mm	50	65	80	100	150	200	250	300	350	400
L(RF)	mm	451	508	578	673	914	1022	1270	1422	–	–
L(BW)	mm	454	514	584	683	927	1038	1292	1445	–	–
L(RTJ)	mm	279	330	368	457	610	762	914	1041	1118	1245
H	kg	310	330	350	375	473	599	650	705	790	870
WT		65	85	120	170	460	900	1300	1800	2450	3200

美标锻钢波纹管闸阀
API forged steel bellow seal gate valve



序号No.	零件名称Part name
1	阀体Body
2	阀座Seat
3	阀板Wedge
4	阀杆Stem
5	波纹管组件Bellow assembie
6	换管Cupling pipe
7	支架Yoke
8	填料Packing
9	填料压套Gland
10	填料压盖Gland flange
11	活节螺栓Gland eyebolt
12	压盖螺母Gland nut
13	阀杆螺母Stem nut
14	手轮Handwheel

波纹管闸阀应用标准Applicable standards

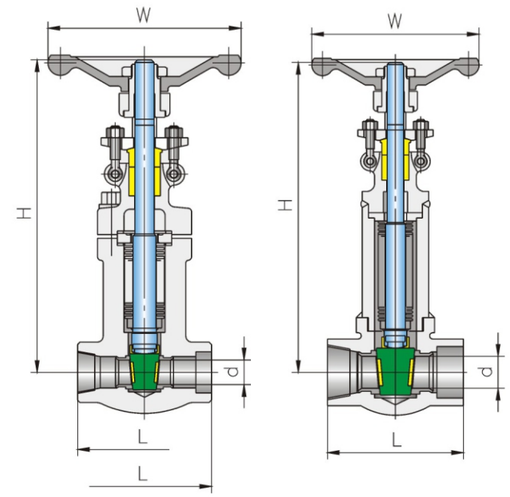
设计制造Design & manufacture	API 602，MSS-SP-117
压力温度基准 P/T class	ASME B16.34
承插端Cocket ends	ANSI B16.11
螺纹端Screw ends	ANSI B1.20.1
法兰连接端 Flanged ends	ASME B16.5
对接焊端 Butt welded ends	ASME B16.25
检查和试验 Inspection & test	API 598

波纹管闸阀主要部件材料Material of main parts

零件名称 Part name	碳钢系列 Carbon steel		不锈钢 Stainless steel			
阀体Body	A105	A352 LF2	A182 F304	A182 F316	A182 F304L	A182 F316L
阀盖Bonnet	A105	A352 LF2	A182 F304	A182 F316	A182 F304L	A182 F316L
阀板Wedge	A276 420	A267 420	A182 F304	A182 F316	A182 F304L	A182 F316L
阀座Seat	A276 420	A276 410	A182 F304	A182 F316	A182 F304L	A182 F316L
波纹管Bellow	F304、F316L、Inconel 625、Hastelloy C276、Monel、SS321					
阀杆Stem	A182 F6C	A182 F6C	A182 F304	A182 F316	A182 F304L	A182 F316L
螺柱Bolt	A193 B7	A320 L7	A193 B8	A193 B8M	A193 B8	A193 B8M
螺母Nut	A194 2H	A194 4	A194 8	A194 8M	A194 8	A194 8M
填料压套Gland	A276 420	A276 420	A182 F304	A182 F316	A182 F304L	A182 F316L
填料压板 Gland flange	A105	A352 LF2	A182 F304	A182 F316	A182 F304L	A182 F316L
填料Packing	石墨Graphite，PTFE		石墨Graphite，PTFE			
垫片Gasket	柔性石墨+不锈钢Flexible Graphite+stainless steel		柔性石墨+不锈钢Flexible Graphite+stainless steel			

材料可以由客户选择，或按客户要求Customers can choose the specific materials as per the above table or as customer's request.

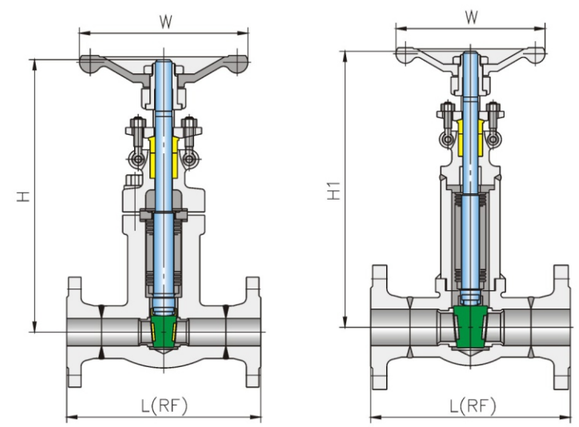
锻钢波纹管闸阀
Forged steel bellows gate valve



阀门结构特点：锻钢波纹管阀门分螺栓连接阀盖（BB）和焊接阀盖（WB），使用明杆支架QS & Y
The valves structure characteristics: Forged steel bellows valve includes Bolted Bonnet (BB) and Welding Cover (WB), use of OS & Y.

CLASS 800螺纹及承插焊连接
Thread socket welding

NPS(in)	缩径(RP)		1/2	3/4	1	1¼	1½	2
	全径(FP)	1/4	3/8	1/2	3/4	1	1¼	1/2
d	mm	7.5	10.5	13.5	18	24	29	36.5
L	mm	79	79	92	111	120	120	140
H(OPEN)	mm	255	255	285	345	545	545	594
W	mm	100	100	100	125	160	160	180
WT	Kg	3	3	3.3	5.9	10.2	10.2	16.2

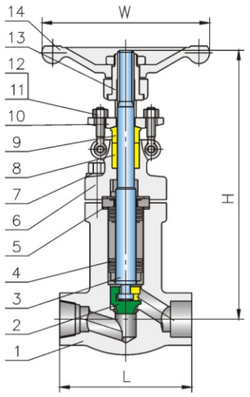


CLASS 150、300、600法兰及对焊连接
Flange butt welding

NPS		in	1/2	3/4	1	1¼	1½	2
DN		mm	15	20	25	32	40	50
150Lb	L(RF)	mm	108	117	127	140	165	178
	L(RTJ)	mm	119	130	140	152	170	191
	L(BW)	mm	108	117	127	140	165	218
	H(OPEN)	mm	225	285	345	445	545	594
300Lb	L(RF)	mm	140	152	165	178	190	216
	L(RTJ)	mm	151	165	178	191	203	232
	L(BW)	mm	140	152	165	178	190	216
	H(OPEN)	mm	255	285	345	445	545	594
600Lb	L(RF)	mm	165	190	216	229	241	292
	L(RTJ)	mm	164	191	216	229	241	295
	L(BW)	mm	165	190	216	229	241	292
	H(OPEN)	mm	255	285	345	450	545	294
W		mm	100	100	125	160	160	180
WT	150Lb	Kg	5	6	9	13	15.2	24
	300Lb	Kg	6	8	11	16	19	28
	600Lb	Kg	7	10	13	18	22	32

结构长度Face to face：ASME B16.10

美标锻钢波纹管截止阀
API forged steel bellow seal globe valve



序号No.	零件名称Part name
1	阀体Body
2	阀瓣Disc
3	阀杆Stem
4	波纹管组件Bellow assembie
5	垫片Gasket
6	阀盖Bonnet
7	螺柱Bolt
8	填料Packing
9	填料压套Gland
10	填料压盖Gland flange
11	活节螺栓Gland eyebolt
12	压盖螺母Gland nut
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波纹管Bellow	F304、F316L、Inconel 625、Hastelloy C276、Monel、SS321					
阀杆Stem	A182 F6a	A182 F6a	A182 F304	A182 F316	A182 F304L	A182 F316L
螺柱Bolt	A193 B7	A320 L7	A193 B8	A193 B8M	A193 B8	A193 B8M
螺母Nut	A194 2H	A194 4	A194 8	A194 8M	A194 8	A194 8M
填料压套Gland	A276 420	A276 420	A182 F304	A182 F316	A182 F304L	A182 F316L
填料压板 Gland flange	A105	A352 LF2	A182 F304	A182 F316	A182 F304L	A182 F316L
填料Packing	石墨Graphite，PTFE		石墨Graphite，PTFE			
垫片Gasket	柔性石墨+不锈钢Flexible Graphite+stainless steel		柔性石墨+不锈钢Flexible Graphite+stainless steel			

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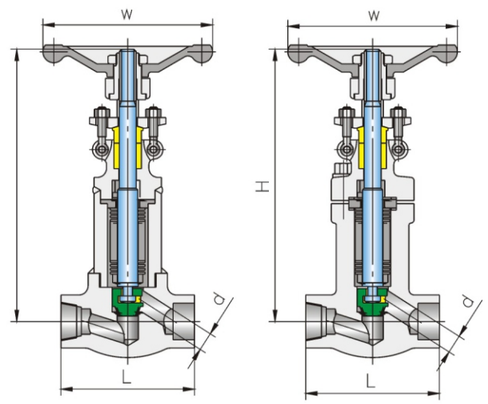

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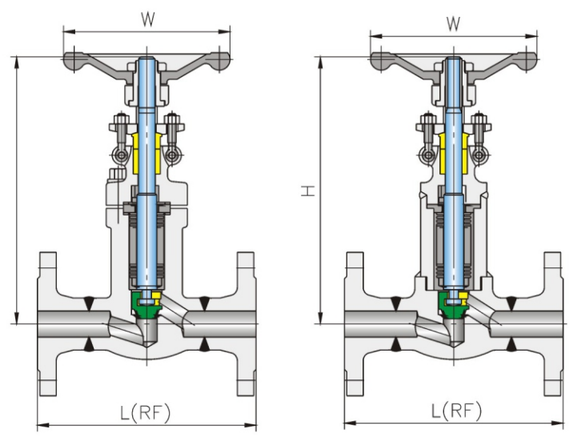
CLASS 800螺纹及承插焊连接
Thread socket welding

NPS(in)	缩径(RP)		1/2	3/4	1	1¼	1½	2	1½
	全径(FP)	1/4	3/8	1/2	3/4	1	1¼	1/2	2
d	mm	7	9	13	17.5	23	30	35	46
L	mm	79	79	92	111	120	152	172	200
H(OPEN)	mm	237	237	239	270	298	340	395	470
W	mm	100	100	100	125	160	160	180	200
WT	Kg	2.6	2.6	2.7	4.4	6.7	8.8	15	18.8

CLASS 150、300、600法兰及对焊连接
Flange butt welding



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DN		mm	15	20	25	32	40	50
150Lb	L(RF)	mm	109	117	127	140	165	203
	L(RTJ)	mm	119	130	140	152	178	216
	L(BW)	mm	108	117	127	140	165	203
	H(OPEN)	mm	237	239	270	298	340	395
300Lb	L(RF)	mm	152	178	203	216	229	267
	L(RTJ)	mm	164	191	216	229	241	283
	L(BW)	mm	152	178	203	216	229	267
	H(OPEN)	mm	237	239	270	298	340	395
600Lb	L(RF)	mm	165	190	216	229	241	292
	L(RTJ)	mm	164	191	216	229	241	295
	L(BW)	mm	165	190	216	229	241	292
	H(OPEN)	mm	237	239	270	298	30450	395
W		mm	100	100	125	160	160	180
WT	150Lb	Kg	4.2	4.8	7.7	12.5	14	21.5
	300Lb	Kg	4.5	5.2	8.3	14.5	16	24
	600Lb	Kg	6.3	8.6	13.5	19.5	26	34

结构长度Face to face：ASME B16.10