

奔日阀门® 擅长化工行业

— 出口欧美16年 —

截止阀系列

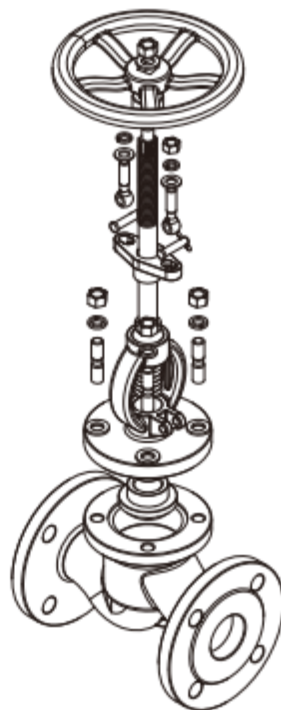
FLANGE GLOBE VALVE SERIES



GLOBE VALVE - OVERVIEW

所有截止阀运用阀门“截断流道”理念，通过阀瓣控制介质流经特定通道区域（并非闸阀那样的常规通道形式）。尽管不像闸阀那样拥有直通型通道，但截止阀有两点优势：节流和高频开关。截止阀内介质从阀瓣四周均匀地流过，而不是通过狭窄的特定区域，因此其拥有良好的节流性能。

All globe valves use the valve "truncated flow path" concept, through the disc control medium flow Specific channel area (not a conventional channel form like gate valves. Although they do not have a straight through channel like gate valves, globe valves have two advantages: throttling And high frequency switch. The globe valve medium flows evenly around the disc, rather than through the narrow Therefore, it has good throttling performance.



标准清单

产品规范 Product Specification	设计规范 Design spec.	结构长度 Face to Face	连接法兰 Connection flange	试验与检验 Test & Check	压力-温度 Pressure-temperature	产品标识 Marking	供货规范 Supply
	GB/T12234	GB/T12221	JB/T 79	JB/T 9092	GB/T 9124	GB/T 12220	JB/T 7926
	API 600	ASME B16.10	ASME B16.5	API 598	ASME B16.34		

材质清单

部件part Name	国标/GB			美标/ASME		
阀体/阀盖Body/Bonnet	WCB	ZGCr5Mo	304	A216 WCB	A217 WC6	A351 CF8
闸板Wedge	WCB	ZGCr5Mo	304	A216 WCB	A217 WC6	A351 CF8
阀杆Stem	13Cr	25Cr2MoV	304	A182F6a	A217 WC6	A351 CF8
填料Packing	聚四氟乙烯/PTFE 柔性石墨/Flexible Graphite					
垫片Gasket	304+柔性石墨/Flexible Graphite					
螺栓Bolt	35/55CrMo	25Cr2MoV	304	A193 B7	A193 B7	A193 B8
适用温度Suitable temperature	-29~425°C	-29~550°C	-40~200°C	-29~425°C	-29~540°C	-46~425°C
适用介质Applicable medium	水、油品、蒸汽 Water,Oil,Steam	水、油品、蒸汽 Water,Oil,Steam	硝酸类 Nitric Acid	水、油品、蒸汽 Water,Oil,Steam	水、油品、蒸汽 Water,Oil,Steam	硝酸类 Nitric Acid

结构优势与特点

Structural advantages and characteristics

- 1、产品设计制造按国家标准GB12235, 结构合理, 密封可靠, 性能优良, 造型美观。
 - 2、阀瓣、阀座密封面用铁基合金堆焊或司太立 (stellite) 钴基硬质合金堆焊而成, 耐磨、耐高温、耐腐蚀、抗擦伤性能好、使用寿命长。
 - 3、阀杆经调质及表面氮化处理, 有良好的抗腐蚀性 and 抗擦伤性。
 - 4、可采用各种配管法兰标准及法兰密封面型式, 满足各种工程需要 and 用户要求。
 - 5、阀体材料品种齐全, 填料、垫片可根据实际工况 or 用户要求合理选配, 能适用于各种压力、温度及介质工况。
 - 6、倒密封采用螺纹连接密封座 or 本体堆焊不锈钢而成, 密封可靠, 填料更换可在不停机情况下进行方便快捷不影响系统运行。
- 1、The product designed and manufactured according to national standard GB 12235, reasonable structure, reliable sealing, excellent performance and beautiful shape.
 - 2、Flap valve, the valve seat sealing surface of iron based alloy or stellite (stellite) made of cobalt-based alloy welding, wear-resistant, high temperature, corrosion, anti-abrasion performance, long life.
 - 3、Stem quenched and the nitrogen treatment, with good resistance to corrosion and scratch resistance.
 - 4、Can be used with a variety of standard pipe flanges and flange sealing surface types to meet various project needs and user requirements.
 - 5、Body material variety, packing, gasket can be based on actual working conditions or the user requests a reasonable option, can be applied with all kinds of pressure, temperature and medium conditions.
 - 6、Sealed with screw connection seal back seat or body made of stainless steel welding, sealing and reliable replacement of filling in non-stop convenient and efficient manner does not affect system operation.

标准与规范 Standards and norms

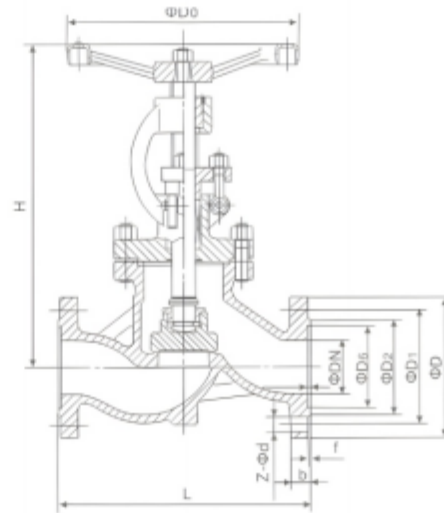
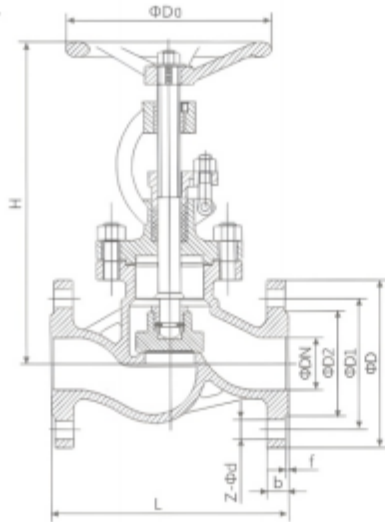
设计与制造 Design and Manufacture	结构长度 Structure Length	压力-温度等级 Pressure-Temperature rating	连接法兰 Connection flange	试验与检验 Test and Inspection
GB 12235	GB 12221	GB 12224	JB/T 79/82-1994 GB 9113 HG 20592-20635	JB/T 9092-1999 GB 13927

主要零件材料 Main components material

名称 Name	材料 Material								
阀体/阀盖 Body/Bonnet	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
阀瓣 disc	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
阀杆 Stem	F304	F304L	F316	F316L	2CR13	F304	F304	F304	F304
阀杆螺母 Stem Nut	铝青铜 Aluminium Bronze								
填料 Packing	PTFE/柔性石墨 Flexible graphite				石墨 Graphite				
垫片 Gasket	PTFE/金属缠绕垫 Metal gasket				石墨 Graphite				
压盖 Gland	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
螺栓 Bolt	不锈钢 Stainless Steel				35CrMoA				
螺母 Nut	不锈钢 Stainless Steel				45、35CrMoA				
手轮 Handwheel	铸钢 Cast Steel								

GB GLOBE VALVE (CHEMICAL)

J41 W 1.6
H - 2.5 C, I, P, R
Y 40



主要外形尺寸及连接尺寸 Main external and connection dimension

JB/T79.1-1994
JB/T79.2-1994

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸(mm)										重量 Weight (Kg)
		L	D	D1	D2	D6	b-f	f2	Z-φd	H	D0	
1.6	10	130	90	60	40	/	14-2	/	4-14	198	120	4.7
	15	130	95	65	45	/	14-2	/	4-14	218	120	5.2
	20	150	105	75	55	/	14-2	/	4-14	230	140	7.1
	25	160	115	85	65	/	14-2	/	4-14	240	160	7.4
	32	180	135	100	78	/	16-2	/	4-18	250	180	8.5
	40	200	145	110	85	/	16-3	/	4-18	262	200	12.5
	50	230	160	125	100	/	16-3	/	4-18	280	240	19.2
	65	290	180	145	120	/	18-3	/	4-18	327	280	26.5
	80	310	195	160	135	/	20-3	/	8-18	355	280	29
	100	350	215	180	155	/	20-3	/	8-18	415	320	41
	125	400	245	210	185	/	22-3	/	8-18	460	360	57
	150	480	280	240	210	/	24-3	/	8-23	510	400	86.5
	200	600	335	295	265	/	26-3	/	12-23	588	400	140
	250	650	405	355	320	/	30-3	/	12-25	725	450	220
	300	750	460	410	375	/	30-4	/	12-25	925	500	325
	350	850	520	470	435	/	34-4	/	16-25	1030	600	590
	400	950	580	525	485	/	36-4	/	16-30	1170	700	750
	450	1050	640	585	545	/	40-4	/	20-30	1220	800	890
500	1150	705	650	608	/	44-4	/	20-34	1410	900	1225	
600	1350	840	770	718	/	48-5	/	20-41	1610	1000	2200	

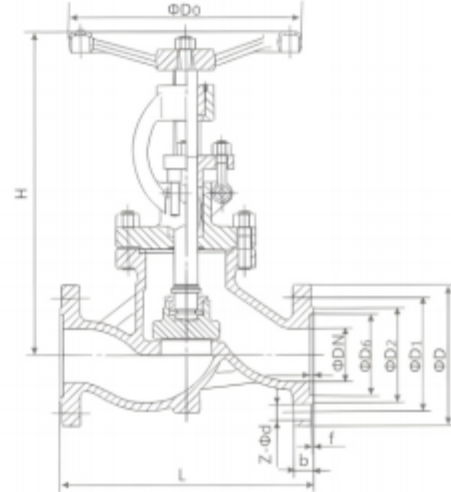
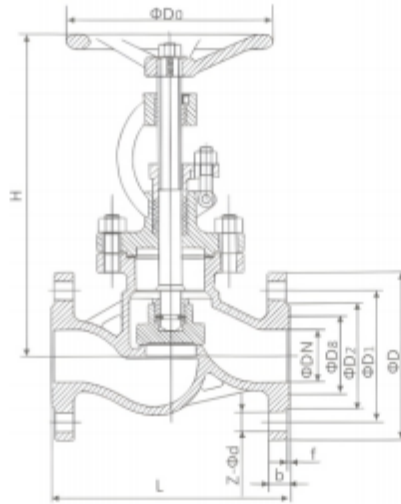
主要外形尺寸及连接尺寸 Main external and connection dimension

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸(mm)										重量 Weight (Kg)
		L	D	D1	D2	D6	b-f	f2	Z-φd	H	D0	
2.5	10	130	90	60	40	/	16-2	/	4-14	198	120	4.9
	15	130	95	65	45	/	16-2	/	4-14	218	120	5.4
	20	150	105	75	55	/	16-2	/	4-14	258	140	7
	25	160	115	85	65	/	16-2	/	4-14	275	160	7.4
	32	180	135	100	78	/	18-2	/	4-18	280	180	8.5
	40	200	145	110	85	/	18-3	/	4-18	330	200	12.5
	50	230	160	120	100	/	20-3	/	4-18	350	240	20
	65	290	180	145	120	/	22-3	/	8-18	400	280	29
	80	310	195	160	135	/	22-3	/	8-18	355	280	32
	100	350	230	190	160	/	24-3	/	8-23	415	320	45
	125	400	270	220	188	/	28-3	/	8-25	460	360	63
	150	480	300	250	218	/	30-3	/	8-25	510	400	90
	200	600	360	310	278	/	34-3	/	12-25	710	400	160
	250	650	425	370	332	/	36-3	/	12-30	786	450	240
	300	750	485	430	390	/	40-4	/	16-30	925	500	390
	350	850	550	490	448	/	44-4	/	16-34	1030	600	650
	400	950	610	550	505	/	48-4	/	16-41	1170	700	820
	450	1050	660	600	555	/	50-4	/	20-34	1220	800	960
500	1150	730	660	610	/	52-4	/	20-41	1450	900	1310	
600	1350	840	770	718	/	56-5	/	20-41	1810	1000	2420	
4.0	10	130	90	60	40	35	16-2	4	4-14	198	120	4.9
	15	130	95	65	45	40	16-2	4	4-14	233	120	5.7
	20	150	105	75	55	51	16-2	4	4-14	275	140	7
	25	160	115	85	65	58	16-2	4	4-14	285	160	8.8
	32	180	135	100	78	66	18-2	4	4-18	302	180	11.8
	40	200	145	110	85	76	18-3	4	4-18	355	200	16.5
	50	230	160	125	100	88	20-3	4	4-18	373	240	24
	65	290	180	145	120	110	22-3	4	8-18	408	280	33
	80	310	195	160	135	121	22-3	4	8-18	436	320	44
	100	350	230	190	160	150	24-3	4.5	8-23	480	360	60
	125	400	270	220	188	176	28-3	4.5	8-25	558	400	89
	150	480	300	250	218	204	30-3	4.5	8-25	611	400	98
	200	600	375	320	282	260	38-3	4.5	12-30	720	400	190
	250	650	445	385	345	313	42-3	4.5	12-34	665	500	265
	300	750	510	450	408	364	46-4	4.5	16-34	720	550	430
	350	850	570	510	465	422	52-4	5	16-34	860	600	715
	400	950	655	585	535	474	58-4	5	16-41	1010	700	900
	450	1050	680	610	560	524	60-4	5	20-41	1190	800	1440
500	1150	755	670	612	576	62-4	5	20-48	1260	900	2660	

注：电动或齿轮传动，价格另计。 Note: Electric or gear drive, the price extra.

GB GLOBE VALVE (CHEMICAL)

J41 W 6.3
H - 100 C, I, P, R
Y 16.0



主要外形尺寸及连接尺寸 Main external and connection dimension

JB/T79.4-1994

JB/T79.2-1994

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸(mm)											重量 Weight(Kg)
		L	D	D1	D2	D6	D8	b-f	f2	Z-φd	H	D0	
6.3	10	170	100	70	50	35	/	18-2	4	4-14	198	120	5.7
	15	170	105	75	55	40	/	18.2	4	4-14	195	140	10
	20	190	125	90	68	51	/	20-2	4	4-18	228	160	13
	25	210	135	100	78	58	/	22-2	4	4-18	275	180	14.5
	32	230	150	110	82	66	/	24-2	4	4-23	325	200	19
	40	260	165	125	95	76	/	24-3	4	4-23	360	240	25
	50	300	175	135	105	88	/	26-3	4	4-23	410	280	35
	65	340	200	160	130	110	/	28-3	4	8-23	450	320	48
	80	380	210	170	140	121	/	30-3	4	8-23	485	360	56
	100	430	250	200	168	150	/	32-3	4.5	8-25	537	400	70
	125	500	295	240	202	176	/	36-3	4.5	8-30	631	400	100
	150	550	340	280	240	204	/	38-3	4.5	8-34	646	450	152
	200	650	405	345	300	260	/	44-3	4.5	12-34	813	500	283
	250	775	470	400	352	313	/	48-3	4.5	12-41	985	550	462
300	900	530	460	412	364	/	54-4	4.5	16-41	1214	600	555	
350	1025	595	525	475	422	/	60-4	5	16-41	1432	650	1554	
400	1150	670	585	525	474	/	66-4	5	16-48	1650	700	1850	
10.0	10	170	100	70	50	/	35	20-2	/	4-14	198	120	6
	15	170	105	75	55	/	45	20-2	/	4-14	202	140	11
	20	190	125	90	68	/	50	22-2	/	4-18	228	160	13.2
	25	210	135	100	78	/	65	24-2	/	4-18	250	180	14
	32	230	150	110	82	/	75	24-2	/	4-23	326	220	15
	40	260	165	125	95	/	85	26-3	/	4-23	359	240	59
	50	300	195	145	112	/	110	28-3	/	4-25	414	280	49
	65	340	220	170	138	/	115	32-3	/	8-25	434	320	65
	80	380	230	180	148	/	145	34-3	/	8-25	547	400	95
	100	430	265	210	172	/	145	38-3	/	8-30	621	450	115
	125	500	310	250	210	/	175	42-3	/	8-34	732	450	149
	150	550	350	290	250	/	205	46-3	/	12-34	840	500	310
	200	650	430	360	312	/	265	54-3	/	12-41	925	550	590
	250	775	500	430	382	/	320	60-3	/	12-41	1155	600	991
300	900	585	500	442	/	375	70-4	/	16-48	1340	700	1361	
16.0	15	170	100	75	52	/	35	24-2	/	4-18	148	140	12.2
	20	190	130	90	62	/	45	26-2	/	4-23	156	160	15
	25	210	140	100	72	/	50	28-2	/	4-23	125	180	17
	32	230	165	115	85	/	65	30-2	/	4-25	200	200	21.4
	40	260	175	125	92	/	75	32-3	/	4-27	231	240	32
	50	300	215	165	132	/	95	36-3	/	8-25	262	250	52
	65	340	245	190	152	/	110	44-3	/	8-30	303	320	69
	80	380	260	205	168	/	130	46-3	/	8-30	341	400	98
	100	430	300	240	200	/	160	48-3	/	8-34	485	450	119
	150	550	390	318	270	/	190	74-3	/	12-41	630	550	446
200	650	480	400	345	/	205	78-3	/	12-48	775	700	930	

API GLOBE VALVE (PETROCHEMICAL)

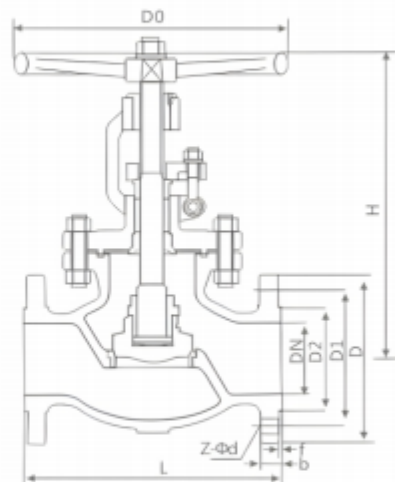
产品概述 Products overview

美标截止阀主要有API和ASME标准, ASTM, ASTM是材料标准, 不是阀门本身的标准; 按美国标准设计, 制造, 生产, 检测的截止阀叫做美标截止阀。

American standard Globe valve mainly include API and ASME standard, ASTM, ASTM material standard, not the standard valve itself; According to the American standard design, manufacturing, production, testing, the cut-off valve American standard Globe valve.

产品优点 Product advantages

1. 流体阻力小: 美标截止阀的流体阻力系数与同长度的管段相等, 使得流体在通过阀门时阻力较小, 有利于提高系统的效率。
2. 适用范围广: 美标截止阀适用于多种流体介质, 包括气体和液体, 从高空至高压力的应用场景都能胜任。其阀体材质多样, 如碳钢、不锈钢、合金钢等, 可根据介质特性和工作环境选择, 确保阀门在不同工况下的耐腐蚀性和承压能力。
3. 操作方便: 美标截止阀的开关操作简便, 从全开到全关只需旋转90°, 便于远距离控制。这种设计特别适用于需要频繁开关的场合。
4. 密封可靠: 美标截止阀的密封面材料广泛使用硬质合金或不锈钢堆焊而成, 提高了密封性能和使用寿命。即使在高温、高压或腐蚀性介质的环境中, 也能保持良好的密封性。
5. 维护方便: 美标截止阀的结构简单, 维修方便。密封圈一般都是活动的, 拆卸更换都比较容易。此外, 其阀座为可更换式设计, 可根据工况需求选择合适的密封面材料, 进一步延长了阀门的使用寿命。



1. Low fluid resistance: The fluid resistance coefficient of the American standard globe valve is equal to that of a pipe section of the same length, resulting in relatively low resistance when fluid passes through the valve, which is beneficial to improving the efficiency of the system.
2. Wide application range: American standard globe valves are suitable for various fluid media, including gases and liquids, and can be used in application scenarios ranging from high vacuum to high pressure. They come in a variety of valve body materials, such as carbon steel, stainless steel, and alloy steel. These materials can be selected according to the medium characteristics and working environment to ensure the corrosion resistance and pressure-bearing capacity of the valve under different working conditions.
3. Convenient operation: The opening and closing operation of the American standard globe valve is simple and convenient, requiring only a 90° rotation from fully open to fully closed, which facilitates remote control. This design is particularly suitable for occasions that require frequent opening and closing.
4. Reliable sealing: The sealing surface of the American standard globe valve is widely made of cemented carbide or stainless steel surfacing, which improves the sealing performance and service life. It can maintain good sealing performance even in environments with high temperature, high pressure or corrosive media.
5. Easy maintenance: The American standard globe valve has a simple structure and is convenient for maintenance. The sealing ring is generally movable, making disassembly and replacement relatively easy. In addition, its valve seat is of a replaceable design, and the appropriate sealing surface material can be selected according to working conditions, which further extends the service life of the valve.

标准 Standard

设计与制造 Design and Manufacture	结构长度 Length	法兰尺寸 size	对焊连接尺寸 butt welding connection	压力-温度 Pressure-temperature	试验-检验 Test and Inspection
ANSI B16.34 BS1873	ANSI B16.10	ANSI B16.5	ANSI B16.25	ANSI B16.34	API598

压力试验 Pressure test

公称压力 PN(MPa)	强度试验 Strength test		水密封试验 Water seal test		气密封试验 Gas seal test	
	Mpa	Lbf/in2	MPa	Lbf/in2	MPa	Lbf/in2
150	3.0	430	2.2	315	0.4-0.7	60-100
300	7.7	1110	5.7	815		
600	15.3	2220	11.3	1630		
900	23.0	3330	17.0	2445		
1500	38.4	5560	28.2	4080		
2500	64.0	9255	47.0	6790		

主要零件材料及性能 Major parts material and the performance

体盖 Body cover	阀杆 Steam	密封面 Sealing surface	垫片(环) Gasket(ring)	填料 packing	工作温度 Work temperature	适用介质 Applicable temperature
WCB	20Cr13	CF8/13Cr/STL 本体材料/尼龙 CF8 Body material/ nylon/13Cr/STL	增强柔性石墨13Cr/柔性石墨SFB-2 08软钢F304 F316 F304LF316L Reinforced Flexible Graphite 13Cr/ Flexible Graphite SFB-2 08 mild steel F304 F316 F304LF316L	柔性石墨 增强柔性石墨 Flexible graphite Reinforced flexible graphite	≤425	水蒸汽油品 Water steam oil products
WC1	38CrMoAl 25Cr2MoV				≤425	
WC6					≤540	
WC9					≤570	
C5 C12					≤540	
CF8					≤200	
CF8M	F316					
CF3	F304L					
CF3M	F316L					

主要尺寸和重量 Main dimensions and weight

DN		150Lb凸面法兰(RF)主要尺寸(mm) 150 Lb flange (RF) main size(mm)								重量 weight
mm	in	L	D	D1	D2	b	N-φd	H	D0	
15	1/2	108	89	60.5	35	11.2	4-16	241	100	6.9
20	3/4	117	98	69.9	43	12.8	4-16	241	100	9.8
25	1	127	108	79.2	51	14.2	4-16	242	125	13.5
32	1¼"	140	117	89	63	16	4-16	280	160	19.5
40	1½"	165	127	98.6	73	17.5	4-16	286	160	28.5
50	2	203	152	120.7	92	19	4-19	368	200	18
65	2½"	216	178	139.7	105	22.4	4-19	387	200	30
80	3	241	190	152.4	127	24	4-19	411	250	41
100	4	292	229	190.5	157	24	4-19	454	250	64
125	5	356	254	216.0	186	24	8-22.5	455	350	86
150	6	406	279	241.3	216	25.4	8-22.5	541	350	113
200	8	495	343	298.5	270	28.4	8-22.5	651	450	178
250	10	622	406	362.0	324	30.2	12-25.4	800	450	270
300	12	698	483	437.8	381	32	12-25.4	1231	600	350
350	14	787	533	476.3	413	35	12-29	1450	600	460
400	16	914	597	539.8	470	36.6	16-29	1645	600	590

DN		300Lb凸面法兰(RF)主要尺寸(mm) 300Lb flange (RF) main size(mm)								重量 weight
mm	in	L	D	D1	D2	b	N-φd	H	D0	
15	1/2	152	95	66.5	35	14.2	4-16	241	140	7.7
20	3/4	178	117	82.5	43	16	4-19	241	140	11.3
25	1	203	123	89	51	17.5	4-19	283	160	16.8
32	1¼"	216	133	98.5	63	19	4-19	320	200	21.2
40	1½"	229	155	114.3	73	20.6	4-22.5	322	200	32.6
50	2	267	165	127	92	22.4	8-19	399	200	25
65	2½"	292	190	149.4	105	25.4	8-22.5	438	250	30
80	3	318	210	168.1	127	28.5	8-22.5	464	280	35
100	4	356	254	200.2	157	31.8	8-22.5	565	350	56
125	5	400	279	235	186	35	8-22.5	614	350	96
150	6	444	318	269.7	216	36.6	12-25.4	717	400	120
200	8	559	381	330.2	270	41.2	12-25.4	930	500	212
250	10	622	444	387.4	324	47.8	16-28.5	1012	550	330
300	12	711	521	450.8	381	50.8	16-32	1231	600	472
350	14	838	584	514.4	413	54	20-32	1450	600	715
400	16	864	648	571.5	470	57.2	20-35	1645	600	920

DN		600Lb凸面法兰(RF)主要尺寸(mm) 600Lb flange (RF) main size(mm)								重量 weight
mm	in	L	D	D1	D2	b	N-φd	H	D0	
15	1/2	165	95	66.5	35	14.5	4-16	285	100	7.8
20	3/4	190	117	82.5	43	16	4-19	285	125	12.5
25	1	216	124	89	51	17.5	4-19	313	160	17.5
32	1¼"	229	133	98.5	63	21	4-19	328	160	23.5
40	1½"	241	156	114.3	73	22.5	4-22.5	365	180	38.5
50	2	292	165	127	92	33	8-19	444	200	35
65	2½"	330	190	149.4	105	36	8-22.5	483	250	50
80	3	356	210	168.1	127	39	8-27.5	533	250	60
100	4	432	273	216	157	45	8-25.4	622	350	110
125	5	508	330	266.7	186	52	8-28.5	750	350	200
150	6	559	356	292.1	216	55	12-28.5	800	450	230
200	8	660	419	349.3	270	63	12-32	927	500	410
250	10	787	508	431.8	324	71	16-35	1257	600	625
300	12	838	559	489	381	74	20-35	1468	680	860