

VNT VORNET VALVE

BALL VALVE



VNT VORNET VALVE

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目录 CATALOG

1-2 公司简介
Company Profile

3-4 典型产品一览
Typical Products

浮动式球阀 FLOATING BALL VALVE

5-6 设计特色
Design Features

7 结构示意
Structural Diagram

8 材料表
BOM

9 结构示意
Structural Diagram

10 材料表
BOM

11 尺寸
Size

固定式球阀 TRUNNION-MOUNTED BALL VALVE

12-14 设计特色
Design Features

15 结构示意
Structural Diagram

16 材料表
BOM

17 结构示意
Structural Diagram

18 材料表
BOM

19-21 尺寸
Size

上装式球阀 TOP ENTRY BALL VALVE

22 设计特色
Design Features

23 结构示意
Structural Diagram

24 材料表
BOM

25-27 尺寸
Size

28 产品质量担保
Product Quality Warranty

ABOUT Us

沃耐特阀门是集阀门研发、制造、服务、销售于一体的制造型企业，前身是浙江诚一阀门，自2004年以来，始终深耕阀门领域，为高温、高压、特殊工况领域的阀门用户提供零缺陷的产品。

本公司主导产品包括闸阀，截止阀，止回阀，球阀，节流阀，调节阀，泵保护阀，过滤器等。产品严格按照API、ASME、ASTM、ISO、EN、GB等规范设计和生产。产品通径NPS:1/2"~60",DN15~1500MM，压力等级CLASS:150LB~4500LB,PN16~760，工作温度-196°C~680°C，阀门主体材料有碳钢、合金钢、不锈钢、钛材、蒙乃尔、20号合金等，广泛应用于高温、高压、强腐蚀、超低温、超高温等特殊工况。

公司致力于为用户提供针对特殊工况的阀门选型、材料选择与产品定制等专业服务，提供系统解决方案。支持一件起订与批量发货。

Vornet Valve is a manufacturing enterprise integrating valve R&D, manufacturing, service, and sales. Formerly known as Zhejiang Chengyi Valve, it has been deeply engaged in the valve industry since 2004, providing zero-defect products to valve users in high-temperature, high-pressure, and special-service conditions.

Our company's leading products include gate valves, globe valves, check valves, ball valves, throttle valves, control valves, pump protection valves, strainers, and more. All products are designed and manufactured in strict accordance with specifications such as API, ASME, ASTM, ISO, EN, and GB. Product sizes range from NPS 1/2" to 60" (DN15 to DN1500 mm), pressure classes from Class 150 to Class 4500 (PN16 to PN760), and operating temperatures from -196°C to 680°C. Main body materials include carbon steel, alloy steel, stainless steel, titanium, Monel, Alloy 20, etc., and are widely used in special service conditions such as high temperature, high pressure, severe corrosion, ultra-low temperature, and ultra-high temperature.

The company is committed to providing professional services including valve selection, material choice, and product customization for special service conditions, offering systematic solutions. We support orders from a single piece to batch deliveries.

匠心制造 诚信第一

CRAFTSMANSHIP AT HEART / INTEGRITY ABOVE ALL

公司本着：品质是我们生存的根本，效益是我们发展的基础，信誉是我们立足的保障，满意是我们基本的追求。

Our company is guided by the principle that: Quality is the very root of our survival, Efficiency is the foundation of our development, Reputation is the guarantee of our foothold, Satisfaction is our fundamental pursuit.



22 YEARS
发展历程
DEVELOPMENT
COURSE

99 %
客户满意度
CUSTOMER
SATISFACTION

2004





- ① 48"300LB Direct-Buried Fully Welded Ball Valve/ 直埋式全焊接球阀
- ② 10"2500LB F51 Trunnion Mounted Ball Valve/F51 固定球阀
- ③ 20"300LB Fully Welded Ball Valve/ 全焊接球阀
- ④ 6"300LB Cryogeni Top Entry Ball Valve/ 超低温上装式球阀
- ⑤ 6"2500LB Trunnion Mounted Ball Valv/ 固定球阀
- ⑥ 3X2 1/2"1500psi Brass Ball Valve/ 铜球阀
- ⑦ 6"600LB Cast Steel Soft-Sealed Ball Valve/ 气动球阀



浮动式球阀 FLOATING BALL VALVE

产品范围 Specifications

阀门尺寸 (铸件)/ Casting Size:1/2"~10"
阀门尺寸 (锻件)/ Forging Size:1/2"~10"
温度范围/Temperature Range:-46~650°C
压力等级/Pressure Rating:150~2500LB

设计特色 Design Features

二片 / 三片侧装式
2-piece/3-piece Side-entry
低扭矩特性
Low Torque Characteristics
防吹出阀杆
Blowout-proof Stem
防火设计
Fire-safe Design
防静电装置
Anti-static Device
低泄漏设计
Low Leakage Design

设计和检验标准 Design and Inspection Standards

设计标准 /Deisgn std: ASME B16.34/API 6D
壳体壁厚 /shell: ASTM B16.34
结构长度 Face to Face: ASTM B16.10
压力试验 /Pressure Test: API 598
耐火试验 /Fire Resistance Test: API 607

连接端标准 End Connection Standards

法兰端 /Flange: ASTM B16.5
对焊端 /BW: ASTM B16.25
承插焊 /SW: ASTM B16.11
螺纹端 /NPT: ASTM B1.20.1

设计特色 / Structure Comparison

阀杆防吹出设计 Parallel Double Disc Gate Valve

阀杆与球体是独立的，阀杆靠近球体的一端设计成整体式 T 型结构。它受到阀体上凸台的保护，确保阀杆在任何压力下不被吹出，并起到上密封的作用。
The valve stem, independent from the ball, incorporates an integral T-head at its lower end. This design engages with a body shoulder to ensure blowout prevention and provide a secondary seal across all pressure conditions.

防静电装置 Anti-static Device

阀杆上装有弹簧接地塞，使球、阀杆与阀体之间保持持续接触，形成导通电路，可将电荷转移，从而避免阀门开关时摩擦产生的静电积聚。
The stem is equipped with a spring-loaded grounding plug. It maintains constant electrical contact between the ball, stem, and body to dissipate static charges from friction during operation and prevent dangerous buildup.

防火设计 Fire-safe Design

阀座采用三包围式，在靠近流道侧加工防火密封唇，当非金属密封材料被高温破坏或分解后，球体在压力推动下与防火密封唇接触，实现金属对金属的密封，起到紧急密封作用。
The valve seat is designed with an integral Fire-safe lip. This ensures immediate metal-to-metal sealing if the primary seal fails under heat, maintaining emergency shut-off.

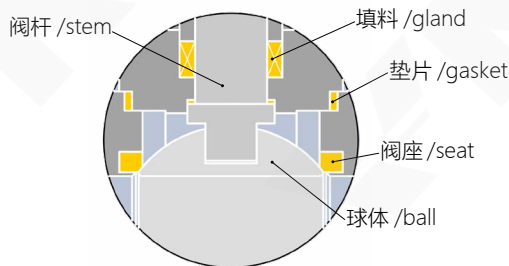


图 1

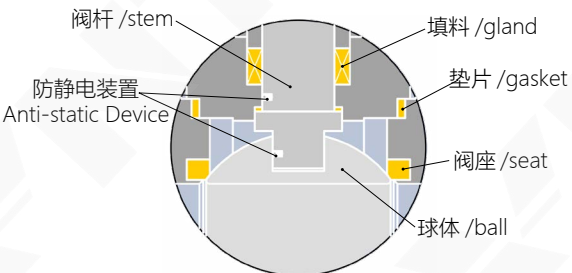
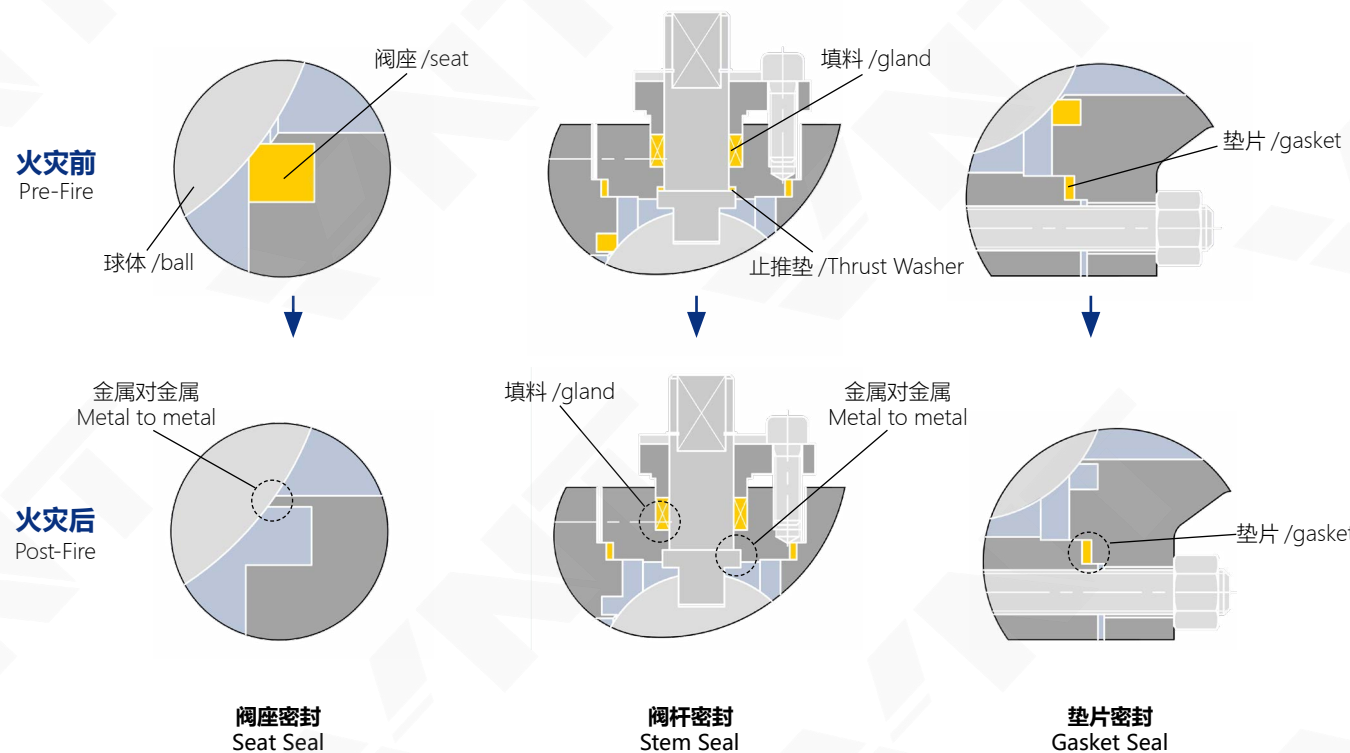
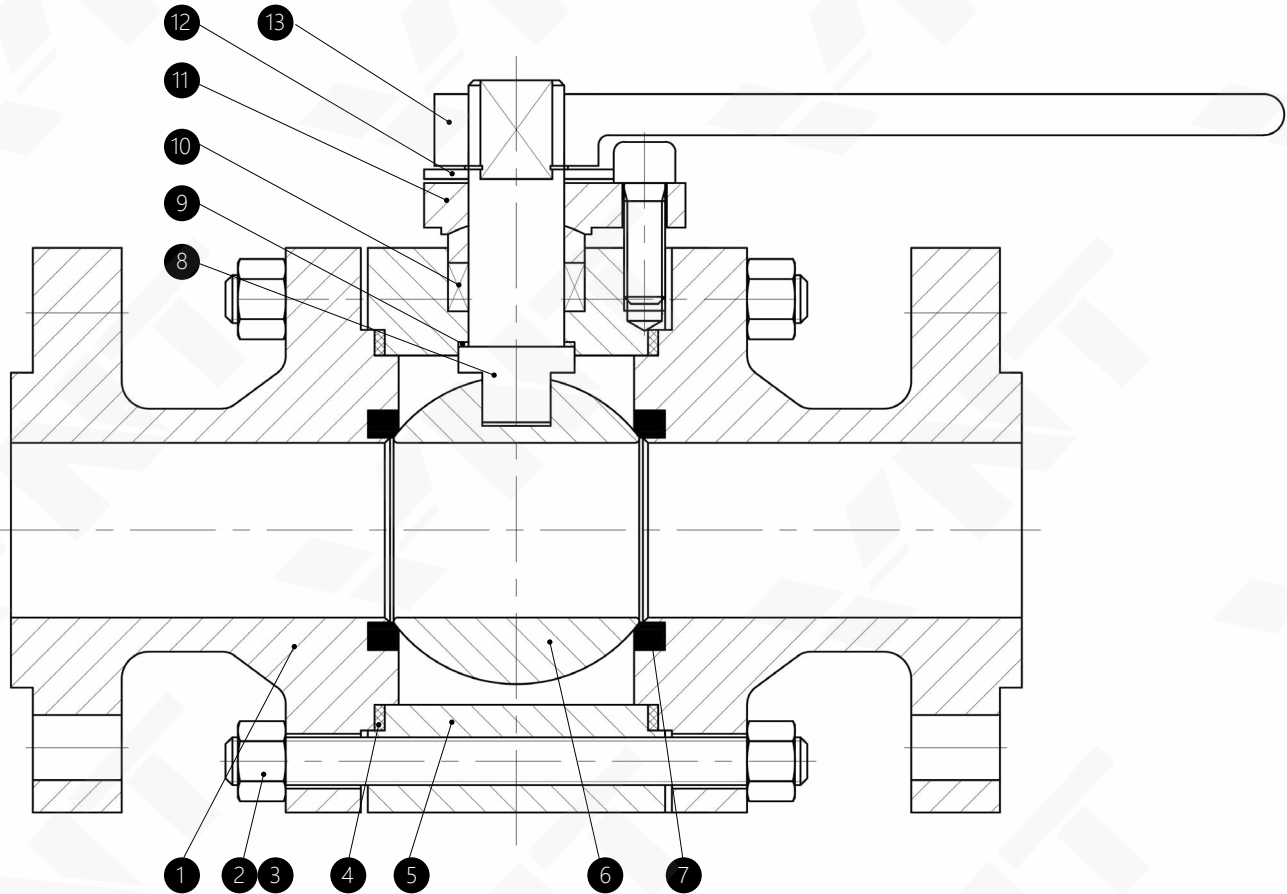


图 2





软密封球阀
Soft-seal ball valve
温度范围 /Temperature Range: -49℃ ~120℃

- 4

防泄漏垫片：采用低泄漏石墨垫片避免泄漏。
Low-Emission Gasket: Utilizes graphite gasket with low-leakage design.
- 8

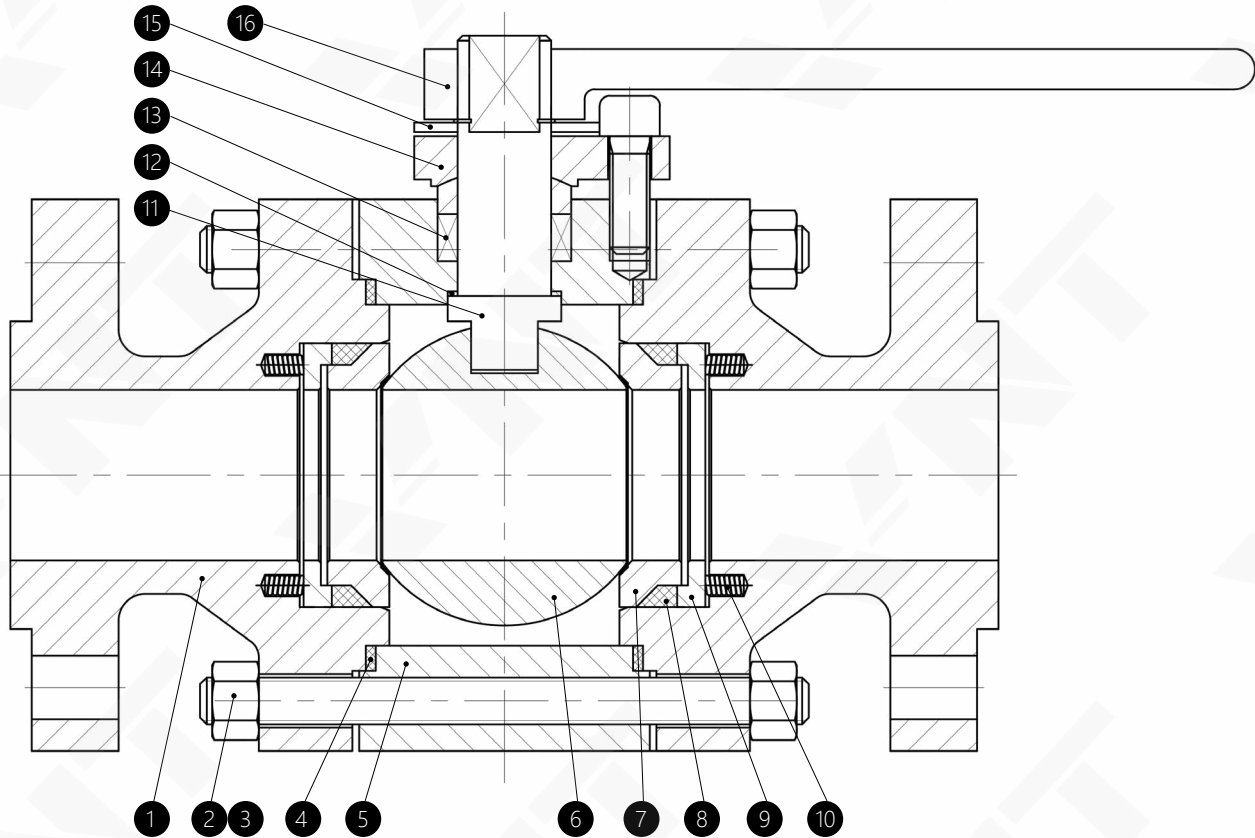
防吹出设计：阀杆底部设计成 T 型结构与阀体上整体的凸台互相配合，确保阀杆不被压力吹出。
Anti-Blowout Design: T-shaped stem bottom interlocks with integral body boss to prevent pressure ejection.
- 9

阀杆在介质作用下压紧止推垫，辅助阀杆填料密封。
The valve stem presses against a thrust washer to assist in sealing the packing.

序号 No.1	零部件 Parts Name	标准 Standard Material	酸性环境 Acid Service	低温环境 Cold Service	耐腐蚀环境 Corrosive Service
1	阀盖 /Bonnet	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 LF2	ASTM A182 F51
2	阀盖螺母 /Bonnet Nut	ASTM A194 2H	ASTM A194 2HM	ASTM A194 7	ASTM A194 8
3	阀盖螺栓 /Bonnet Bolt	ASTM A193 B7	ASTM A193 B7M	ASTM A320 L7	ASTM A193 B8
4	垫片 /Gasket	Graphite+SS304	Graphite+SS304	Graphite+SS304	Graphite+2205
5	阀体 /Body	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 LF2	ASTM A182 F51
6	球体 /Ball	ASTM A105/A105N+ENP	ASTM A105/A105N+ENP	ASTM A182 F304	ASTM A182 F51
7	阀座 /Seat	PTFE	PTFE	PTFE	PTFE
8	阀杆 /Stem	ASTM A182 F6a	ASTM A182 F6a	A182 F304	ASTM A182 F51
9	止推垫 /Thrust Washer	PTFE	PTFE	PTFE	PTFE
10	阀杆填料 /Packing	Graphite	Graphite	Graphite	Graphite
11	填料压套 /Gland	ASTM A105	ASTM A105	ASTM A182 LF2	ASTM A182 F51
12	限位片 /Stopper	SS304	SS304	SS304	SS304
13	手柄 / Lever	SS304	SS304	SS304	SS304

备注 /Note:

1. 其他材料可根据客户要求提供，请咨询销售部门。
Other materials can be provided upon customer request, Please consult the sales ofpce.
2. 可提供 ASTM 标准规定的所有铸造和锻造材料。
All ASTM-standard cast and forged materials available .
3. 根据客户要求，阀座可提供 RPTFE/PEEK/DEVLON 等。
Valve Seat Materials (Optional): RPTFE, PEEK, DEVLON.



硬密封球阀
Metal-seated ball valve

温度范围 /Temperature Range: -49℃ ~650℃

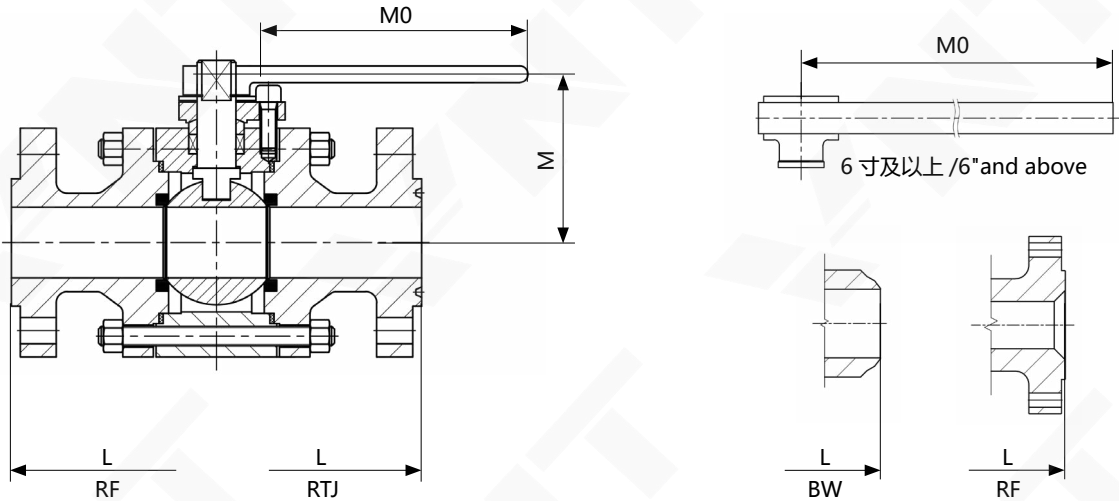
- 7 阀座采用金属硬密封，弹簧推动阀座挡圈压紧石墨自紧圈，实现阀座与阀盖，阀座与球体间的密封。
Spring-loaded graphite self-energized sealing rings provide dual sealing between the seat and bonnet, as well as between the seat and ball.
- 11 防吹出设计：阀杆底部设计成 T 型结构与阀体上整体的凸台互相配合，确保阀杆不被压力吹出。
Anti-Blowout Design: T-shaped stem bottom interlocks with integral body boss to prevent pressure ejection.
- 4 防泄漏垫片：采用低泄漏石墨垫片避免泄漏。
Low-Emission Gasket: Utilizes graphite gasket with low-leakage design.
- 12 阀杆在介质作用下压紧止推垫，辅助阀杆填料密封。
The valve stem presses against a thrust washer to assist in sealing the packing.

序号 No.1	零部件 Parts Name	标准 Standard Material	酸性环境 Acid Service	高温环境 High Temp. Service	耐腐蚀环境 Corrosive Service
1	阀盖 /Bonnet	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 F91	ASTM A182 F51
2	阀盖螺母 /Bonnet Nut	ASTM A194 2H	ASTM A194 2HM	ASTM A194 7	ASTM A194 8
3	阀盖螺栓 /Bonnet Bolt	ASTM A193 B7	ASTM A193 B7M	ASTM A193 B16	ASTM A193 B8
4	垫片 /Gasket	Graphite+SS304	Graphite+SS304	Graphite+SS304	Graphite+2205
5	阀体 /Body	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 F91	ASTM A182 F51
6	球体 /Ball	ASTM A105/A105N+TCC/Ni60	ASTM A105/A105N+TCC/Ni60	Incel 718+TCC/Ni60	ASTM A182 F51+TCC/Ni60
7	阀座 /Seat	ASTM A105/A105N+Stl.6	ASTM A105/A105N+Stl.6	Incel 718+TCC/Ni60	ASTM A182 F51+TCC/Ni60
8	自紧圈 /Pressure Seat	Graphite+SS304	Graphite+SS304	Graphite+SS304	Graphite+SS316
9	阀座压圈 / Seat Washer	ASTM A105	ASTM A105	ASTM A182 F91	ASTM A182 F51
10	弹簧 /Spring	Incel X-750	Incel X-750	Incel X-750	Incel X-750
11	阀杆 /Stem	ASTM A182 F6a	ASTM A182 F6a	XM-19	ASTM A182 F51
12	止推垫 /Thrust Washer	Graphite	Graphite	Graphite	Graphite
13	阀杆填料 /Packing	Graphite	Graphite	Graphite	Graphite
14	填料压套 /Gland	ASTM A105	ASTM A105	ASTM A182 F91	ASTM A182 F51
15	限位片 /Stopper	SS304	SS304	SS304	SS304
16	手柄 / Lever	SS304	SS304	SS304	SS304

备注 /Note:

- 1. 其他材料可根据客户要求提供，请咨询销售部门。
Other materials can be provided upon customer request, Please consult the sales ofpce.
- 2. 可提供 ASTM 标准规定的所有铸造和锻造材料。
All ASTM-standard cast and forged materials available .

尺寸 / SIZE



600LB					全通径 /Full Bore		
DN	NPS	L(RF)	L(BW)	L(RTJ)	手柄/LEVER		重量
					M	M0	Weight
mm	in	mm	mm	mm	mm	mm	kg
15	1/2	165	165	163.5	82	140	5
20	3/4	191	191	191	87	140	7
25	1	216	216	216	98	200	10
40	1 1/2	241	241	241	118	250	15
50	2	292	292	295	130	300	22
65	2 1/2	330	330	333	158	350	28
80	3	356	356	359	180	500	38
100	4	432	432	435	220	650	78

600LB		缩径 /Reduced Bore							
		DN	NPS	L(RF)	L(BW)	L(RTJ)	手柄/LEVER		重量 Weight
							M	M0	
mm	in	mm	mm	mm	mm	mm	mm	kg	
20X15	3/4X1/2	191	191	191	82	140	7		
25X20	1X3/4	216	216	216	87	140	9		
40X25	1 1/2X1	241	241	241	92	200	17		
50X40	2X1 1/2	292	292	295	108	250	20		
80X50	3X2	356	356	359	119	300	33		
100X80	4X3	432	432	435	175	500	75		
150X100	6X4	559	559	562	220	600	150		

900/1500LB					全通径 /Full Bore		
DN	NPS	L(RF)	L(BW)	L(RTJ)	手柄/LEVER		重量
					M	M0	Weight
mm	in	mm	mm	mm	mm	mm	kg
15	1/2	216	216	216	85	140	10
20	3/4	229	229	229	90	140	14
25	1	254	254	254	98	200	17
40	1 1/2	305	305	305	118	250	23
50	2	368	368	371	130	300	34
65	2 1/2	419	419	422	160	350	40

900/1500LB

缩径 /Reduced Bore

DN	NPS	L(RF)	L(BW)	L(RTJ)	手柄/LEVER		重量 Weight
					M	M0	
mm	in	mm	mm	mm	mm	mm	kg
20X15	3/4X1/2	229	229	229	85	140	11
25X20	1X3/4	254	254	254	90	140	15
40X25	1 1/2X1	305	305	305	98	200	25
50X40	2X1 1/2	368	368	368	118	250	30

2500LB

全通径 /Full Bore

DN	NPS	L(RF)	L(BW)	L(RTJ)	手柄/LEVER		重量
					M	M0	
mm	in	mm	mm	mm	mm	mm	kg
15	1/2	264	264	264	81	200	12
20	3/4	273	273	273	84	200	16
25	1	308	308	308	107	200	20

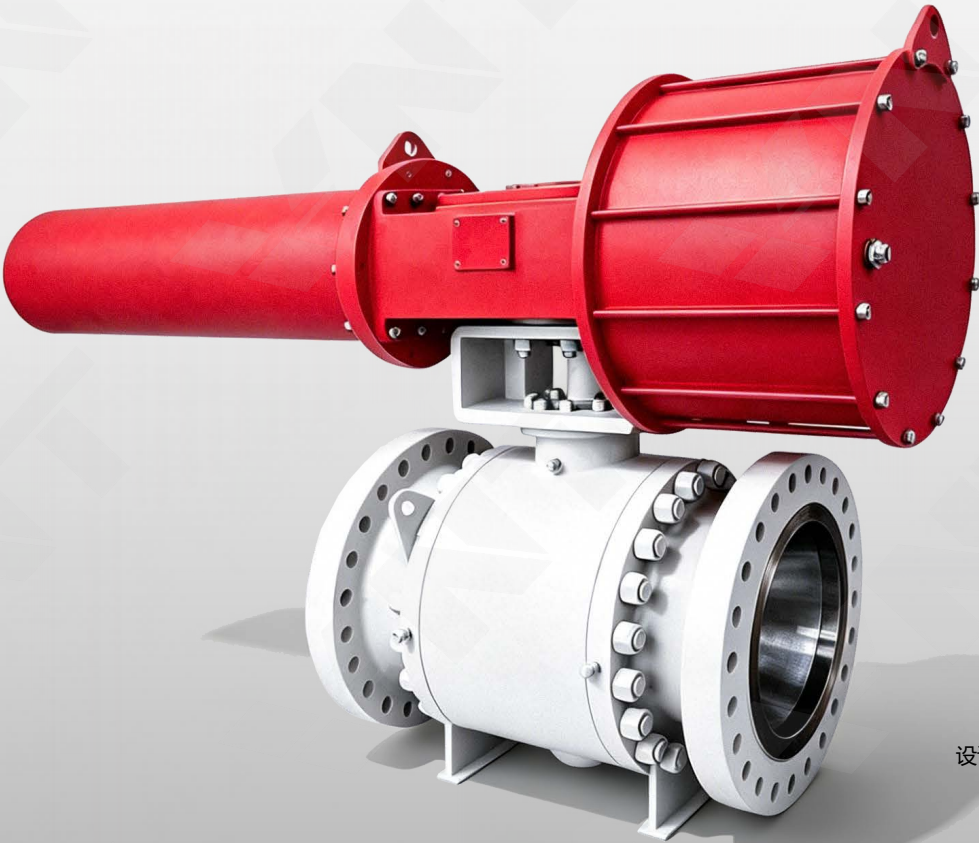
固定式球阀
Trunnion-Mounted Ball Valve

产品范围
Specifications

阀门尺寸 (铸件) / Casting Size:2"~48"
阀门尺寸 (锻件) / Forging Size:2"~60"
温度范围 /Temperature Range:-46~650°C
压力等级 /Pressure Rating:150~2500LB

设计特色
Design Features

- 二片 / 三片侧装式
2-piece/3-piece Side-entry
- 低扭矩特性
Low Torque Characteristics
- 双阻断及泄放功能
Double Block and Bleed Function
- 中腔压力自排放
Automatic Cavity Pressure Relief
- 防吹出阀杆
Blowout-proof Stem
- 防火设计
Fire-safe Design
- 防静电装置
Anti-static Device
- 低泄漏设计
Low Leakage Design



设计和检验标准
Design and Inspection Standards

设计标准 /Deisgn std: ASME B16.34/API 6D
壳体壁厚 /Shell: ASTM B16.34
结构长度 Face to face: ASTM B16.10
压力试验 /Pressure Test: API 598
耐火试验 /Fire Resistance Test: API 607

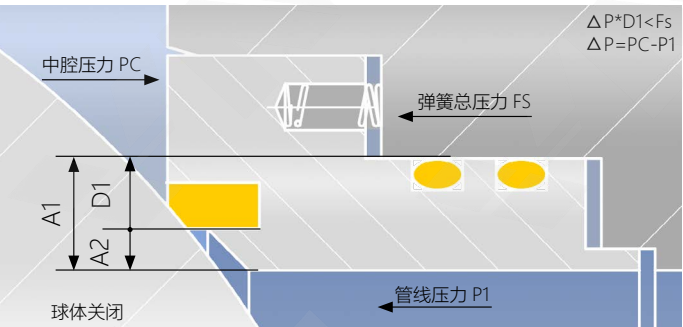
连接端标准

End Connection Standards

法兰端 /Flange: ASTM B16.5/ISO 27509
对焊端 /BW: ASTM B16.25
承插焊 /SW: ASTM B16.11
螺纹端 /NPT: ASTM B1.20.1

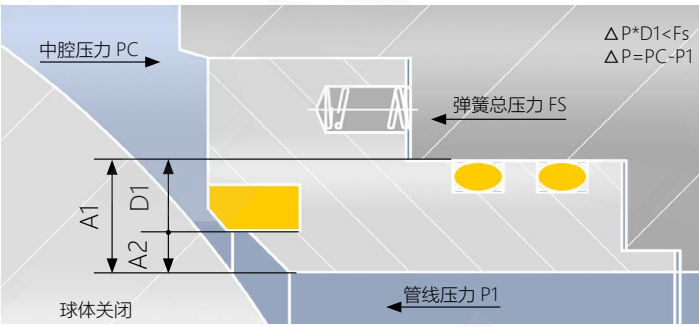
设计特色 / DESIGN FEATURES

中腔压力自动排放
Automatic Cavity Pressure Relief



当阀门中腔压力 (PC) 小于座圈弹簧的预紧力 (Fs) 和管线流体压力 (P1), 即 $P \times D1 < F_s$, 则球体和阀座紧密接触确保密封。

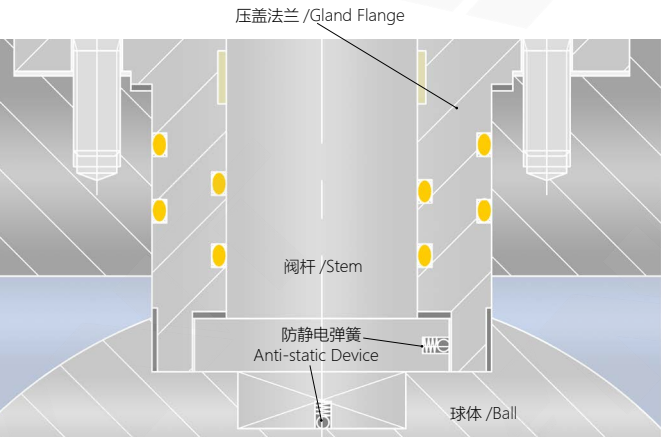
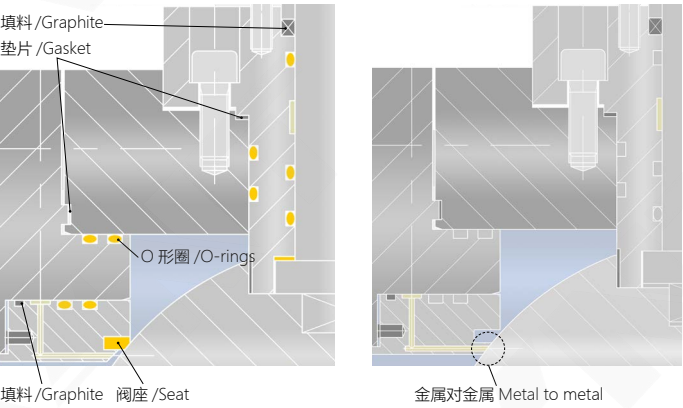
When the pressure in the valve cavity (PC) is less than the preload force of the seat spring (Fs) and the pipeline fluid pressure (P1), i.e., $P \times D1 < F_s$, the ball and the valve seat remain in close contact to ensure a seal.



反之, 当阀门中腔压力 (PC) 大于座圈弹簧的预紧力 (Fs) 和管线流体压力 (P1), 即 $P \times D1 > F_s$ 时, 中腔压力将座圈轻微推开, 使之与球体之间产生一小间隙, 这样内腔过压压力自动泄放到管线中。重新达到阀门中腔和管线 (上下游) 的、压力平衡。

When cavity pressure (PC) exceeds seat spring preload (Fs) and line pressure (P1) — i.e., $P \times D1 > F_s$ — it slightly lifts the seat, creating a small gap with the ball. This automatically relieves cavity overpressure into the line, restoring pressure balance between the cavity and the pipeline (upstream/downstream).

防火设计
Fire-safe Design



当火灾发生时, O 形圈因熔化而失效, 此时压盖石墨垫片和阀杆石墨填料将承担防止流体外泄漏功能。

软密封座圈和阀座 O 形圈被分解或熔化后, 则阀座金属座圈唇在弹簧预紧力作用下推向球体并接触, 最大程度减小阀门通道的内漏。另外, 柔性石墨座圈填料同时受座圈压缩而密封, 阻断流体在阀体与阀座间泄漏。

During a fire, O-rings melt. The graphite gasket and stem packing then prevent external leakage. If soft seats and O-rings decompose, spring force pushes the metal seat lip against the ball to minimize internal leakage. Compressed graphite seat packing also blocks body-to-seat leakage.

防静电装置
Anti-static Device

阀杆上装有弹簧接地塞, 使球、阀杆与阀体之间保持持续接触, 形成导通电路, 可将电荷转移, 从而避免阀门开关时摩擦产生的静电积聚。

A spring-loaded grounding plug in the stem ensures continuous contact between the ball, stem, and body, creating a conductive path to dissipate static charges and prevent buildup from friction during operation.

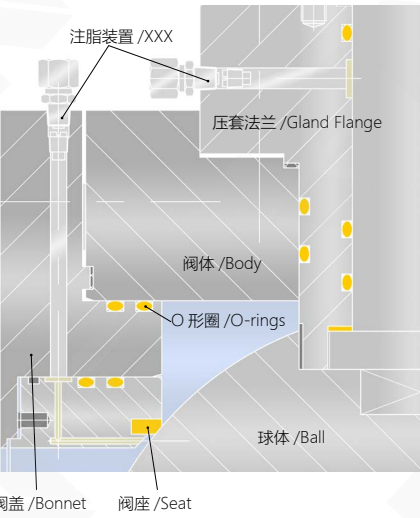
阀杆防吹出设计
Blowout-proof Stem

阀杆与球是独立的, 阀杆靠近球的一端设计成整体 T 形结构, 压盖法兰可挡住该 T 形。

The valve stem and ball are independent. The end of the stem near the ball is designed as an integral T-shaped structure, which can be retained by the gland flange.

设计特色 / STRUCTURE COMPARISON

紧急注胶装置
Anti-static Device

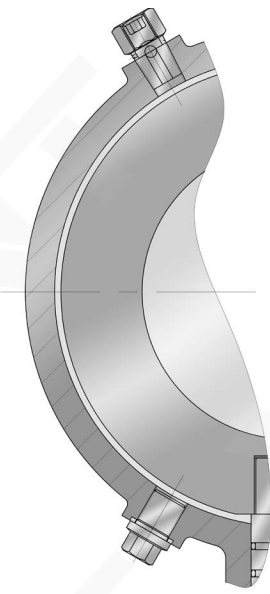


6 英寸 (DN150) 和 6 英寸以上的固定球阀, 阀杆和座圈上均装有注射密封胶装置。当密封材料 (座圈密封环或 O 形圈) 被火灾或其他意外事故破坏或分解时, 向该注射器注射密封胶可阻止来自阀杆和座圈的泄漏。该装置内设一道止回阀起后备密封防倒流作用。

For 6" (DN150) and larger fixed ball valves, the stem and seats feature sealant injection fittings. If primary seals (O-rings/seat seals) are compromised by fire or damage, injected sealant stops stem and seat leakage. A built-in check valve prevents backflow, ensuring backup sealing.

双阻断及泄放功能 (DBB)
Double Block and Bleed Function

阀座上方排放孔 / Seat Drain Hole



阀座底部泄放孔 / Seat relief hole at bottom

固定球阀处于全关位置时两只阀座能够同时承受两端全压差介质的压力, 实现双阻断功能; 当球阀处于全开或全关位置时, 此时阀门中腔独立于通道, 阀门中腔可实现介质泄放功能。

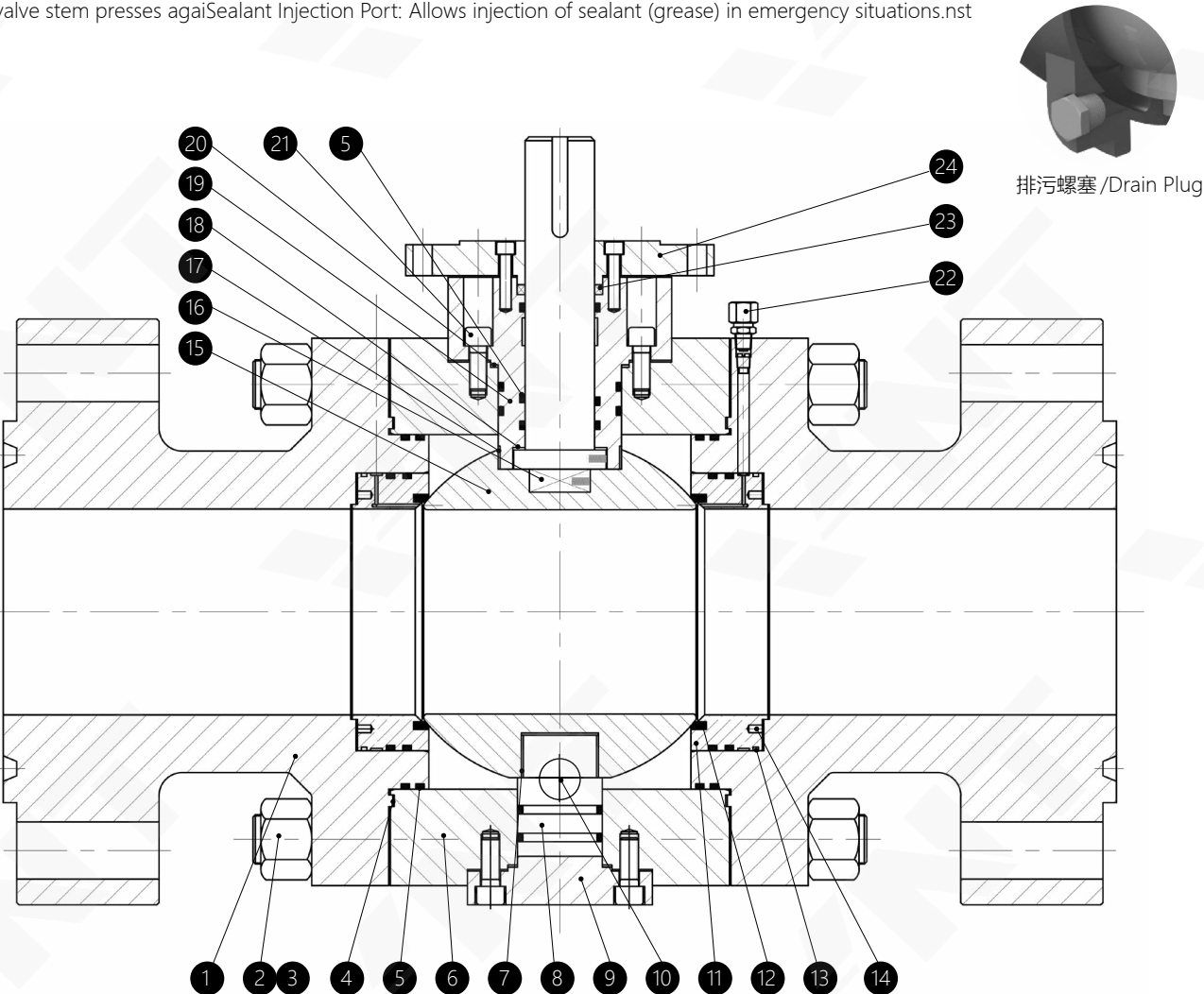
When Valve Fully closed, Both seats withstand full differential pressure from both ends - double block function. When Fully open or closed, Isolated cavity allows media relief.

结构示意 / STRUCTURAL DIAGRAM

软密封球阀
Soft-seal ball valve

温度范围 /Temperature Range: -49℃ ~120℃

- 4
- O 形圈与密封垫片组合防止体盖连接部位的泄漏。
O-rings combined with gaskets prevent leakage at the body-cover connection.
- 5
- 双道 O 形密封圈防止阀杆部位的泄漏。
Dual O-ring seals prevent leakage at the valve stem.
- 10
- 螺塞，排放阀腔内的污物。
Drain Plug: Used to discharge contaminants from the valve cavity.
- 11
- 装有预紧弹簧的浮动阀座，即使在低压时也能确保密封。
Preloaded Spring Floating Seat: Ensures tight sealing even under low pressure.
- 12
- 当软密封材料在火灾破坏后，金属阀座受压推向金属球体，切断管线防止介质泄漏。
Fire-safe Design: If soft seals are destroyed by fire, the metal seat is forced against the metal ball, cutting off the pipeline to prevent medium leakage.
- 19
- 压套法兰通过螺钉固定在阀体上，一端压住阀杆台阶部位，保证各种压力下的阀杆安全，不被吹出。
The gland flange is fixed to the valve body with screws, clamping the valve stem step to prevent the stem from being blown out under any pressure.
- 22
- 注射密封胶(脂)装置：在紧急情况下，通过注胶，防止阀座部位泄漏。
The valve stem presses agaiSealant Injection Port: Allows injection of sealant (grease) in emergency situations.nst



材料表 / BOM

序号 No.1	零部件 Parts Name	标准 Standard	Material	酸性环境 Acid Service	低温环境 Cold Service	耐腐蚀环境 Corrosive Service
1	阀盖 /Bonnet	ASTM A105/A105N		ASTM A105/A105N	ASTM A182 LF2	ASTM A182 F51
2	阀盖螺母 /Bonnet Nut	ASTM A194 2H		ASTM A194 2HM	ASTM A194 7	ASTM A194 8
3	阀盖螺栓 /Bonnet Bolt	ASTM A193 B7		ASTM A193 B7M	ASTM A320 L7	ASTM A193 B8
4	垫片 /Gasket	Graphite+SS304		Graphite+SS304	Graphite+SS304	Graphite+2205
5	O 型圈 /O-Rings	NBR/Viton		NBR/Viton	NBR/Viton	NBR/Viton
6	阀体 /Body	ASTM A105/A105N		ASTM A105/A105N	ASTM A182 LF2	ASTM A182 F51
7	轴套 /Bushing	PTFE		PTFE	PTFE	PTFE
8	下阀杆 /Lower Stem	ASTM A182 F6a		ASTM A182 F6a	ASTM A182 F304	ASTM A182 F51
9	下阀杆压盖 / Lower Stem Gland	ASTM A105		ASTM A105	ASTM A182 LF2	ASTM A182 F51
10	排污螺塞 /Drain Plug	SS304		SS304	SS304	2205
11	阀座固定圈 /Seat Retainer	ASTM A105/A105N		ASTM A105/A105N	ASTM A182 LF2	ASTM A182 F51
12	阀座环 /Seat Ring	PTFE		PTFE	PTFE	PTFE
13	防火圈 /Fire collar	Graphite		Graphite	Graphite	Graphite
14	弹簧 /Spring	Inconel X-750		Inconel X-750	Inconel X-750	Inconel X-750
15	球体 /Ball	ASTM A105/A105N+ENP		ASTM A105/A105N+ENP	ASTM A182 F304	ASTM A182 F51
16	阀杆 /Stem	ASTM A182 F6a		ASTM A182 F6a	ASTM A182 F304	ASTM A182 F51
17	轴套 /Bushing	PTFE		PTFE	PTFE	PTFE
18	止推垫 /Thrust Washer	PTFE		PTFE	PTFE	PTFE
19	压套法兰 /Gland Flange	ASTM A105		ASTM A105	ASTM A182 LF2	ASTM A182 F51
20	垫片 /Gasket	Graphite+SS304		Graphite+SS304	Graphite+SS304	Graphite+2205
21	内六角螺钉 /SHCS	ASTM A193 B7		ASTM A193 B7M	ASTM A320 L7	ASTM A193 B8
22	注脂装置 /GID	SS304		SS304	SS304	2205
23	阀杆填料 /Packing	Graphite		Graphite	Graphite	Graphite
24	顶法兰 /Top Flange	ASTM A105		ASTM A105	ASTM A182 LF2	ASTM A182 F51

备注 /Note:

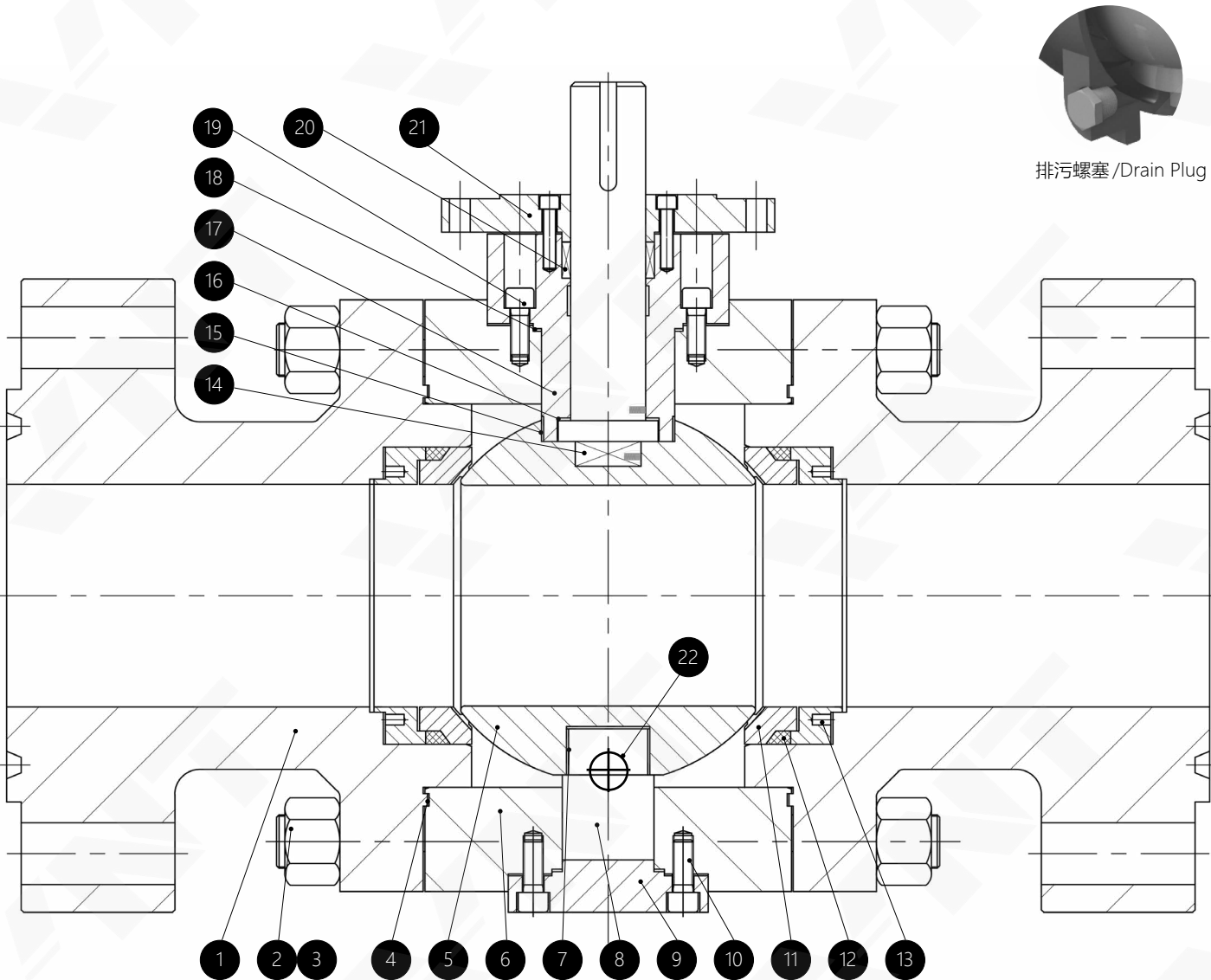
1. 其他材料可根据客户要求提供，请咨询销售部门。
Other materials can be provided upon customer request, Please consult the sales office.
2. 可提供 ASTM 标准规定的所有铸造和锻造材料。
All ASTM-standard cast and forged materials available .
3. 根据客户要求，阀座可提供 RPTFE, PEEK, DEVLON, 石墨等。
Valve Seat Materials (Optional): RPTFE, PEEK, DEVLON, Graphite.

结构示意 / STRUCTURAL DIAGRAM

硬密封球阀
Metal-seated ball valve

温度范围 /Temperature Range: -49℃ ~650℃

- 4
- 11
- 17
- 22
- Body and bonnet, and body and gland Bange connections are sealed with gaskets.
- Metal-to-metal seat seals. Springs press the seat retaining ring against the self-tightening graphite ring to seal between seat & bonnet and seat & ball.
- Gland flange is bolted to the body, holding the stem step to prevent stem blowout under all pressures.
- Drain Plug: Used to discharge contaminants from the valve cavity.



材料表 / BOM

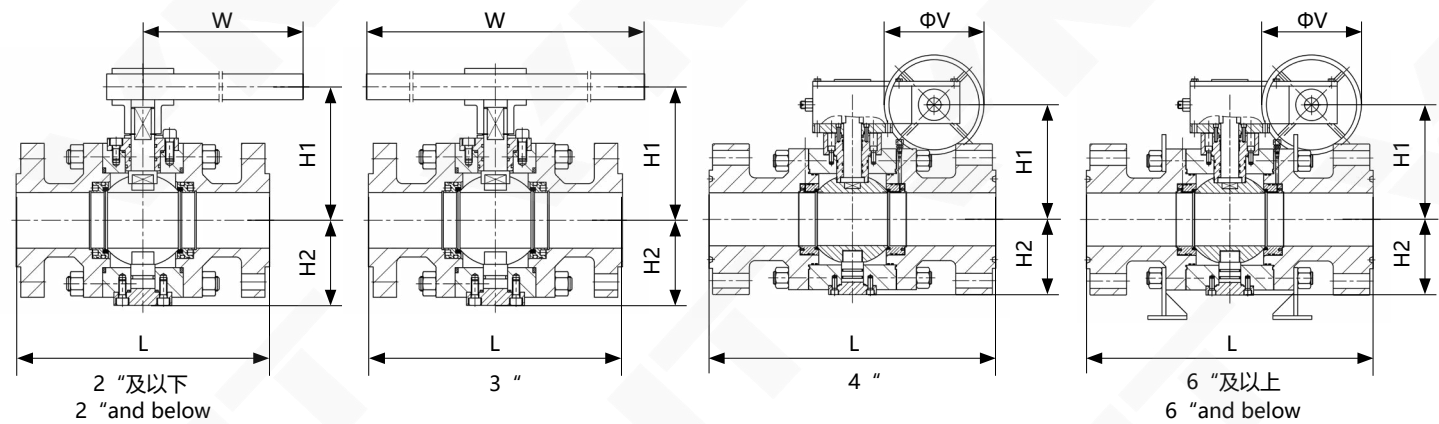
序号 No.1	零部件 Parts Name	标准 Standard Material	酸性环境 Acid Service	高温环境 Cold Service	耐腐蚀环境 Corrosive Service
1	阀盖 /Bonnet	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 F91	ASTM A182 F51
2	阀盖螺母 /Bonnet Nut	ASTM A194 2H	ASTM A194 2HM	ASTM A194 7	ASTM A194 8
3	阀盖螺栓 /Bonnet Bolt	ASTM A193 B7	ASTM A193 B7M	ASTM A193 B16	ASTM A193 B8
4	垫片 /Gasket	Graphite+SS304	Graphite+SS304	Graphite+SS304	Graphite+2205
5	球体 /Ball	ASTM A105/A105N+TCC/Ni60	ASTM A105/A105N+TCC/Ni60	Inconel 718+TCC/Ni60	ASTM A182 F51+TCC/Ni60
6	阀体 /Body	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 F91	ASTM A182 F51
7	轴套 /Bushing	B62	Inconel 718	Inconel 718	Inconel 718
8	下阀杆 /Lower Stem	ASTM A182 F6a	ASTM A182 F6a	XM-19	ASTM A182 F51
9	下阀杆压盖 / Lower Stem Gland	ASTM A105	ASTM A105	ASTM A182 F91	ASTM A182 F51
10	内六角螺钉 /SHCS	ASTM A193 B7	ASTM A193 B7M	ASTM A193 B16	ASTM A193 B8
11	阀座 /Seat	ASTM A105/A105N+Stl.6	ASTM A105/A105N+Stl.6	Inconel 718+TCC/Ni60	ASTM A182 F51+TCC/Ni60
12	自紧圈 /Pressure Seat	Graphite+SS304	Graphite+SS304	Graphite+SS304	Graphite+SS316
13	弹簧 /Spring	Inconel X-750	Inconel X-750	Inconel X-750	Inconel X-750
14	阀杆 /Stem	ASTM A182 F6a	ASTM A182 F6a	XM-19	ASTM A182 F51
15	轴套 /Bushing	Inconel 718	Inconel 718	Inconel 718	Inconel 718
16	止推垫 /Thrust Washer	Graphite	Graphite	Graphite	Graphite
17	压套法兰 /Gland Flange	ASTM A105	ASTM A105	ASTM A182 F91	ASTM A182 F51
18	垫片 /Gasket	Graphite+SS304	Graphite+SS304	Graphite+SS304	Graphite+2205
19	内六角螺钉 /SHCS	ASTM A193 B7	ASTM A193 B7M	ASTM A193 B16	ASTM A193 B8
20	阀杆填料 /Packing	Graphite	Graphite	Graphite	Graphite
21	顶法兰 /Top Flange	ASTM A105	ASTM A105	ASTM A182 F91	ASTM A182 F51
22	排污螺塞 /Drain Plug	SS304	SS304	SS304	2205

备注 /Note:

1. 其他材料可根据客户要求提供，请咨询销售部门。
Other materials can be provided upon customer request, Please consult the sales office.
2. 可提供 ASTM 标准规定的所有铸造和锻造材料。
All ASTM-standard cast and forged materials available .

固定式球阀系列
TRUNNION-MOUNTEDBALL VALVE

尺寸 / SIZE

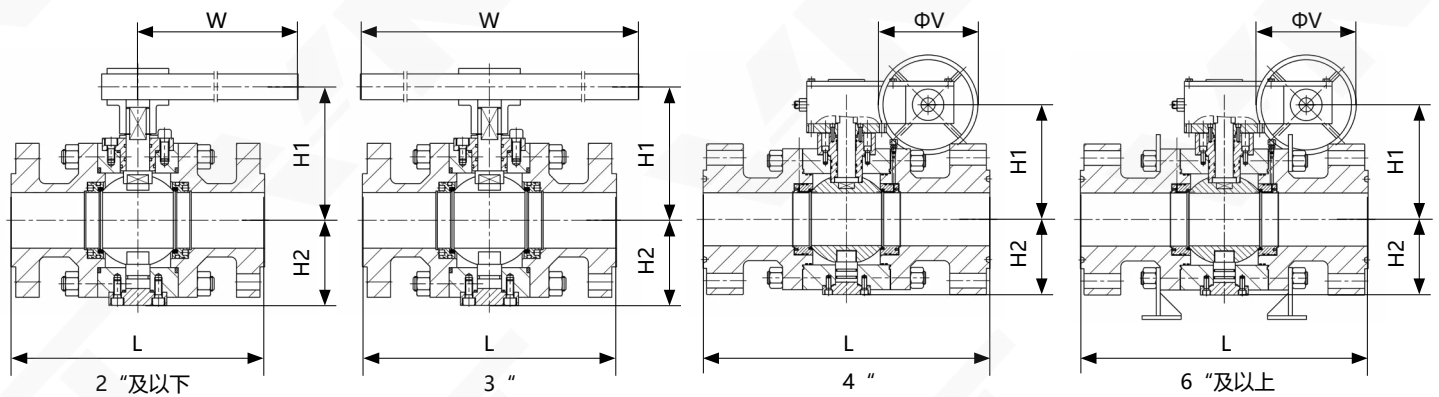


600LB

口径 /DIA		D		L/RF		L/BW		L/RTJ		H1		H2		W		V		重量 /Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	Kg
2	50	1.93	49	11.50	292	11.50	292	11.61	295	7.33	186.3	3.59	91.3	15.75	400			83.78	38
3	80	2.91	74	14.02	356	14.02	356	14.13	359	10.28	261.0	3.38	85.8	32.09	815			171.96	78
4	100	3.94	100	17.01	432	17.01	432	17.13	435	8.56	217.5	4.07	103.3			400	400	257.94	117
6	150	5.91	150	22.01	559	22.01	559	22.13	562	11.20	284.5	10.37	263.5			815	400	606.27	275
8	200	7.91	201	25.98	660	25.98	660	26.14	664	12.68	322.0	11.98	304.3			19.69	500	965.62	438
10	250	9.92	252	30.98	787	30.98	787	31.14	791	14.96	380.0	13.82	351.0			23.62	600	1631.42	740
12	300	11.93	303	32.99	838	32.99	838	33.11	841	20.00	508.0	15.45	392.5			23.62	600	2270.76	1030
14	350	13.15	334	35.00	889	35.00	889	35.12	892	22.32	567.0	16.57	421.0			23.62	600	2969.62	1347
16	400	15.16	385	39.02	991	39.02	991	39.13	994	24.13	613.0	18.23	463.0			23.62	600	4321.06	1960
18	450	17.17	436	42.99	1092	42.99	1092	43.11	1095	26.56	674.5	19.90	505.5			27.56	700	4817.09	2185
20	500	19.17	487	47.01	1194	47.01	1194	47.24	1200	23.78	604.0	21.59	548.5			29.92	760	7165.02	3250
22	550	21.18	538	50.98	1295	50.98	1295	51.38	1305	26.71	678.5	23.70	602.0			29.92	760	8172.53	3707
24	600	23.19	589	55.00	1397	55.00	1397	55.39	1407	28.25	717.5	25.24	641.0			29.92	760	9810.56	4450
26	650	24.92	633	57.01	1448	57.01	1448	57.52	1461	30.65	778.5	27.26	692.5			29.92	760	13568.11	6154
28	700	26.93	684	60.98	1549	60.98	1549	61.50	1562	38.11	968.0	28.72	729.5			29.92	760	14963.20	6787
30	750	28.94	735	65.00	1651	65.00	1651	65.51	1664	39.86	1012.5	30.53	775.5			29.92	760	16518.78	7493
32	800	30.67	779	70.00	1778	70.00	1778	70.63	1794	41.18	1046.0	31.81	808.0			35.43	900	19321.29	8764
34	850	32.68	830	75.98	1930	75.98	1930	76.61	1946	42.68	1084.0	33.27	845.0			35.43	900	20889.22	9475
36	900	34.41	874	82.01	2083	82.01	2083	82.64	2099	46.44	1179.5	34.94	887.5			31.50	800	26296.71	11928
40	1000	38.43	976	85.00	2159	85.00	2159	—	—	43.52	1105.5	33.83	859.3			35.43	900	36296.86	16464
42	1050	40.16	1020	85.63	2175	85.63	2175	—	—	47.24	1200.0	35.11	891.8			31.50	800	40519.15	18379
48	1200	45.91	1166	95.87	2435	95.87	2435	—	—	57.80	1468.0	39.32	998.8			31.50	800	59754.02	27104
54	1350	51.65	1312	—	—	—	—	—	—	58.78	1493.0	43.23	1098.0			39.37	1000	80495.09	36512
56	1400	53.54	1360	106.69	2710	106.69	2710	—	—	59.80	1519.0	44.91	1140.8			39.37	1000	111423.96	50541
60	1500	57.40	1458	—	—	—	—	—	—	62.64	1591.0	47.75	1212.8			39.37	1000	118520.37	53760

关于 60"以上阀门的资料请联系销售部
Please contact us for information above 60" valves.

尺寸 / SIZE



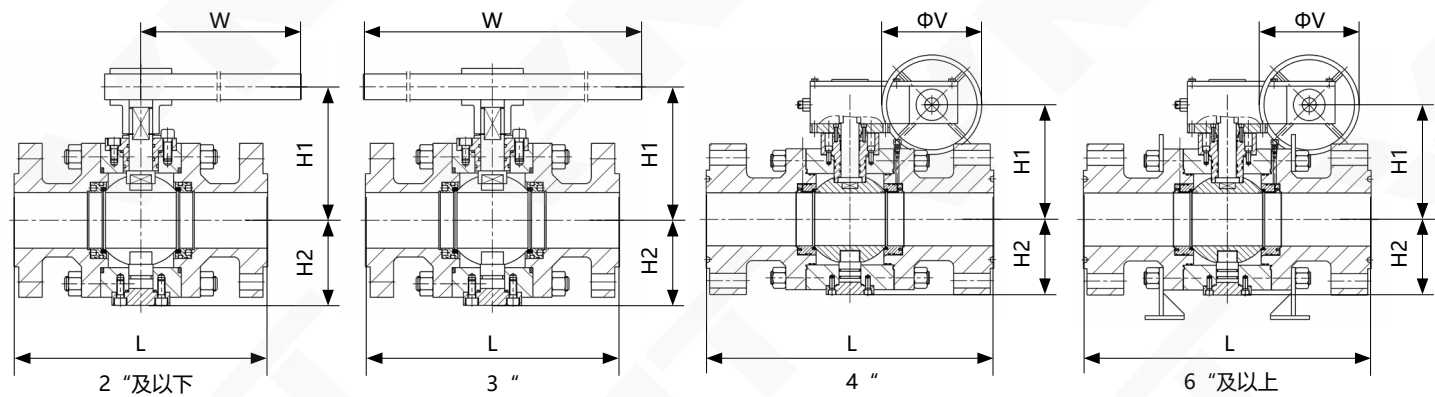
900LB

口径 /DIA		D		L/RF		L/BW		L/RTJ		H1		H2		W		V		重量 /Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	Kg
2	50	1.93	49	14.49	368	14.49	368	14.61	371	7.59	192.8	3.70	94.0	15.75	400			125.66	57
3	80	2.91	74	15.00	381	15.00	381	15.12	384	7.66	194.5	4.25	108.0			11.81	300	185.19	84
4	100	3.94	100	17.99	457	17.99	457	18.11	460	8.88	225.5	5.45	138.5			15.75	400	284.40	129
6	150	5.91	150	24.02	610	24.02	610	24.13	613	11.52	292.5	10.75	273.0			19.69	500	1164.04	528
8	200	7.91	201	29.02	737	29.02	737	29.13	740	13.58	345.0	12.50	317.5			23.62	600	1311.75	595
10	250	9.92	252	32.99	838	32.99	838	33.11	841	18.54	471.0	14.21	361.0			23.62	600	2103.21	954
12	300	11.93	303	37.99	965	37.99	965	38.11	968	22.17	563.0	16.26	413.0			23.62	600	3097.49	1405
14	350	12.68	322	40.51	1029	40.51	1029	40.87	1038	23.64	600.5	17.26	438.5			27.56	700	4259.33	1932
16	400	14.69	373	44.49	1130	44.49	1130	44.88	1140	21.28	540.5	19.27	489.5			29.92	760	5317.54	2412
18	450	16.65	423	47.99	1219	47.99	1219	48.50	1232	22.99	584.0	21.18	538.0			29.92	760	7433.98	3372
20	500	18.54	471	52.01	1321	52.01	1321	52.52	1334	26.12	663.5	22.85	580.5			29.92	760	9153.58	4152
22	550	20.55	522	—	—	—	—	—	—	34.00	863.5	24.70	627.5			29.92	760	11666.85	5292
24	600	22.44	570	60.98	1549	60.98	1549	61.73	1568	35.57	903.5	26.57	675.0			29.92	760	14542.56	6596
26	650	24.29	617	65.00	1651	65.00	1651	65.87	1673	37.80	960.0	28.43	722.0			29.92	760	19701.37	8936
28	700	26.18	665	69.02	1753	69.02	1753	69.88	1775	38.35	974.0	30.30	769.5			29.92	760	26989.84	12242
30	750	28.03	712	74.02	1880	74.02	1880	74.88	1902	43.09	1094.5	31.85	809.0			31.50	800	30270.31	13730
32	800	29.92	760	80.00	2032	80.00	2032	80.87	2054	45.16	1147.0	33.56	852.5			35.43	900	32016.37	14522
34	850	31.81	808	85.00	2159	85.00	2159	86.14	2188	41.50	1054.0	29.36	745.8			35.43	900	46196.49	20954
36	900	33.66	855	90.00	2286	90.00	2286	91.14	2315	42.81	1087.5	30.68	779.3			35.43	900	53318.29	24185

关于 36"以上阀门的资料请联系销售部
Please contact us for information above 36" valves.

固定式球阀系列
TRUNNION-MOUNTED BALL VALVE

尺寸 / SIZE



1500LB

口径 /DIA		D		L/RF		L/BW		L/RTJ		H1		H2		W		V		重量 /Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	Kg
2	50	1.93	49	14.49	368	14.49	368	14.61	371	7.59	192.8	3.94	100.0	15.75	400			138.89	63
3	80	2.91	74	18.50	470	18.50	470	18.62	473	8.35	212.0	4.78	121.3			15.75	400	266.21	121
4	100	3.94	100	21.50	546	21.50	546	21.61	549	9.57	243.0	5.98	152.0			15.75	400	425.49	193
6	150	5.67	144	27.76	705	27.76	705	27.99	711	12.42	315.5	11.54	293.0			23.62	600	1572.78	713
8	200	7.56	192	32.76	832	32.76	832	33.11	841	18.27	464.0	13.64	346.5			23.62	600	2039.19	925
10	250	9.41	239	39.02	991	39.02	991	39.37	1000	21.93	557.0	15.67	398.0			27.56	700	3240.46	1470
12	300	11.30	287	44.49	1130	44.49	1130	45.12	1146	20.08	510.0	17.83	453.0			29.92	760	5884.35	2669
14	350	12.40	315	49.49	1257	49.49	1257	50.24	1276	21.20	538.5	18.90	480.0			29.92	760	6101.29	2768
16	400	14.17	360	54.49	1384	54.49	1384	55.39	1407	23.68	601.5	20.77	527.5			29.92	760	7484.24	3395
18	450	15.98	406	60.51	1537	60.51	1537	61.38	1559	30.69	779.5	23.05	585.5			29.92	760	9886.79	4485
20	500	17.87	454	65.51	1664	65.51	1664	66.38	1686	32.46	824.5	25.04	636.0			29.92	760	12194.44	5531
22	550	19.69	500	—	—	—	—	—	—	35.57	903.5	26.69	678.0			35.43	900	15540.65	7049
24	600	21.50	546	76.50	1943	76.50	1943	77.64	1972	40.37	1025.5	28.64	727.5			31.50	800	19391.24	8796

关于 24"以上阀门的资料请联系销售部
Please contact us for information above 24" valves.

2500LB

口径 /DIA		D		L/RF		L/BW		L/RTJ		H1		H2		W		V		重量 /Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	Kg
2	50	1.65	42	17.76	451	17.76	451	17.87	454	7.24	184	5.26	133.5	15.75	400			238.10	108
3	80	2.44	62	22.76	578	22.76	578	22.99	584	8.64	219.5	6.16	156.5			23.62	600	529.11	240
4	100	3.43	87	26.50	673	26.50	673	26.89	683	10.12	257	7.32	186			23.62	600	1018.53	462
6	150	5.16	131	35.98	914	35.98	914	36.50	927	8.54	217	13.62	346			23.62	600	2058.23	934
8	200	7.05	179	40.24	1022	40.24	1022	40.87	1038	7.72	196	16.18	411			27.56	700	3576.78	1622
10	250	8.78	223	50.00	1270	50.00	1270	50.87	1292	3.35	85	18.43	468			29.92	760	5653.53	2564
12	300	10.43	265	55.98	1422	55.98	1422	56.89	1445	4.29	109	19.92	506			29.92	760	8642.99	3920

关于 12"以上阀门的资料请联系销售部
Please contact us for information above 12" valves.

上装式球阀
TOP ENTRY BALL VALVE

产品范围
Specifications

阀门尺寸 (铸件) / Casting Size: 2"~48"
阀门尺寸 (锻件) / Forging Size: 2"~36"
温度范围 / Temperature Range: -46~650°C
压力等级 / Pressure Rating: 150~2500LB

设计特色
Design Features

- 防吹出阀杆
Blowout-proof Stem
- 低扭矩特性
Low Torque Characteristics
- 双阻断及泄放功能
Double Block and Bleed Function
- 中腔压力自排放
Automatic Cavity pressure Relief
- 防火设计
Fire-safe Design
- 防静电装置
Anti-static Device
- 低泄漏设计
Low Leakage Design

设计和检验标准
Design and Inspection Standards

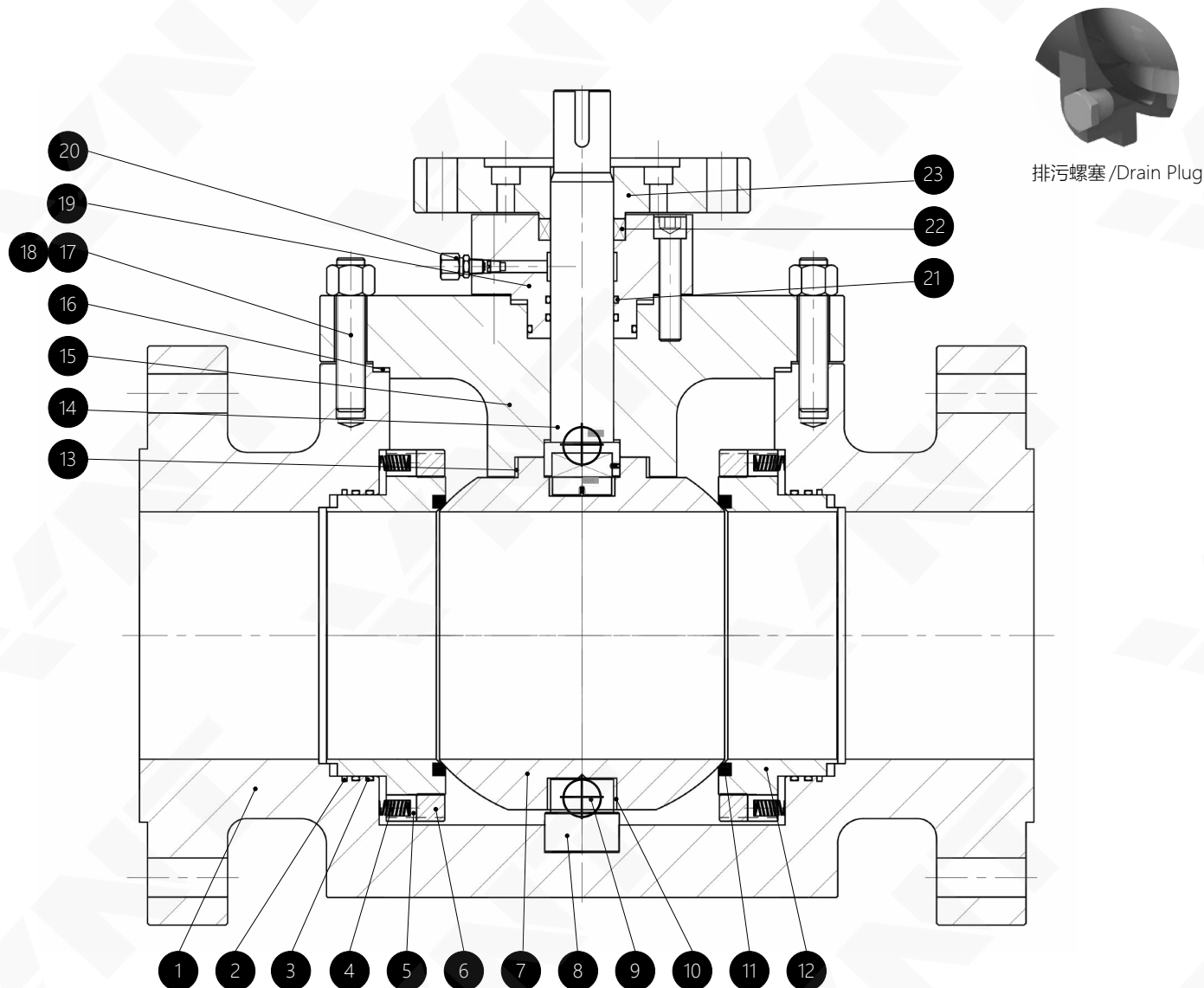
设计标准 / Design std: ASME B16.34/API 6D
壳体壁厚 / Shell: ASTM B16.34
结构长度 Face to face: ASTM B16.10
压力试验 / Pressure Test: API 598
耐火试验 / Fire Resistance Test: API 607

连接端标准

End Connection Standards

法兰端 / Flange: ASTM B16.5/ISO 27509
对焊端 / BW: ASTM B16.25
承插焊 / SW: ASTM B16.11
螺纹端 / NPT: ASTM B1.20.1





软密封球阀
Soft-seal ball valve

温度范围 / Temperature Range: -49℃ ~120℃

- ① O 形圈与密封垫片组合防止体盖连接部位的泄漏。
O-rings combined with gaskets prevent leakage at the body-cover connection.
- ⑩ 装有预紧弹簧的浮动阀座, 即使在低压时也能确保密封。
Preloaded Spring Floating Seat: Ensures tight sealing even under low pressure.
- ⑪ 当软密封材料在火灾破坏后, 金属阀座受压推向金属球体, 切断管线防止介质泄漏。
Fire-safe Design: If soft seals are destroyed by Pre, the metal seat is forced against the metal ball, cutting off the pipeline to prevent medium leakage.
- ⑫ 双道 O 形密封圈防止阀杆部位的泄漏。
Dual O-ring seals prevent leakage at the valve stem.
- ⑬ 注射密封胶(脂)装置: 在紧急情况下, 通过注胶, 防止阀座部位泄漏。
Sealant Injection Device: In emergency situations, sealant can be injected to prevent leakage at the seat area.

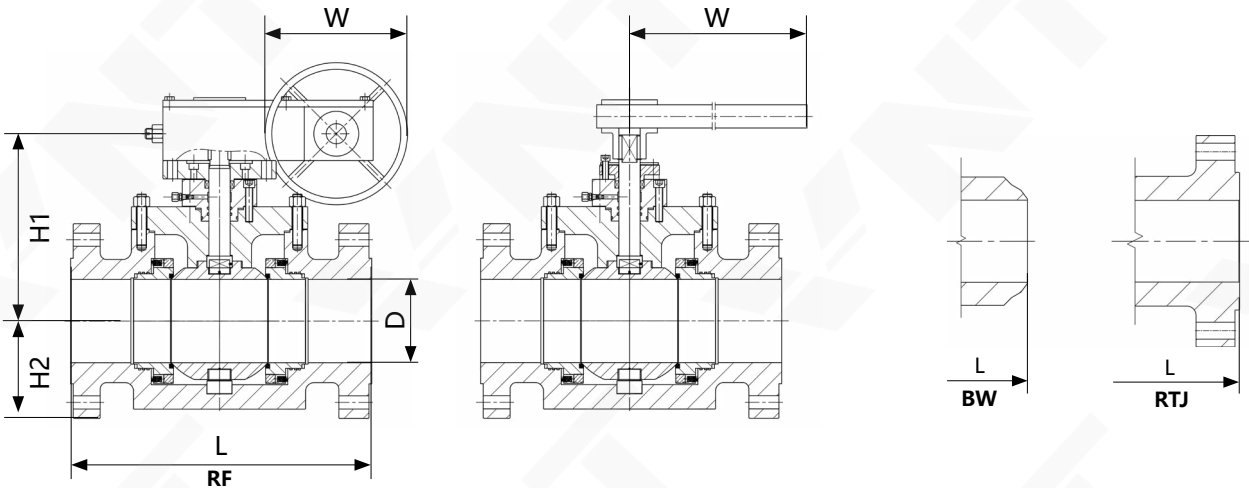
序号 No.1	零部件 Parts Name	标准 Standard Material	酸性环境 Acid Service	低温环境 Cold Service	耐腐蚀环境 Corrosive Service
1	阀体 /Body	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 LF2	ASTM A182 F51
2	防火圈 /Fireproof Sleeve	Graphite	Graphite	Graphite	Graphite
3	O 型圈 /O-Rings	NBR/Viton	NBR/Viton	NBR/Viton	NBR/Viton
4	弹簧 /Spring	Inconel X-750	Inconel X-750	Inconel X-750	Inconel X-750
5	阀座弹簧圈 /Seat Spring Ring	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 LF2	ASTM A182 F51
6	阀座并帽 /Seat Nut	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 LF2	ASTM A182 F51
7	球体 /Ball	ASTM A105/A105N+ENP	ASTM A105/A105N+ENP	ASTM A182 F304	ASTM A182 F51
8	下阀杆 /Lower Stem	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F51
9	排污螺塞 /Drain Plug	SS304	SS304	SS304	2205
10	轴套 /Bushing	Inconel 718	Inconel 718	Inconel 718	Inconel 718
11	阀座环 /Seat Ring	PTFE	PTFE	PTFE	PTFE
12	阀座固定圈 /Seat Retainer	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 LF2	ASTM A182 F51
13	轴套 /Bushing	Inconel 718	Inconel 718	Inconel 718	Inconel 718
14	阀杆 /Stem	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F51
15	阀盖 /Bonnet	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 LF2	ASTM A182 F51
16	垫片 /Gasket	Graphite+SS304	Graphite+SS304	Graphite+SS304	Graphite+SS316
17	阀盖螺母 /Bonnet Nut	ASTM A194 2H	ASTM A194 2HM	ASTM A194 7	ASTM A194 8
18	阀盖螺栓 /Bonnet Bolt	ASTM A193 B7	ASTM A193 B7M	ASTM A320 L7	ASTM A193 B8
19	压套法兰 /Gland Flange	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 LF2	ASTM A182 F51
20	注脂装置 /Grease	SS304	SS304	SS304	2205
21	O 型圈 /O-Rings	NBR/Viton	NBR/Viton	NBR/Viton	NBR/Viton
22	阀杆填料 /Packing	Graphite	Graphite	Graphite	Graphite
23	顶法兰 /Top Flange	ASTM A105/A105N	ASTM A105/A105N	ASTM A182 LF2	ASTM A182 F51

备注 /Note:

- 1. 其他材料可根据客户要求提供, 请咨询销售部门。
Other materials can be provided upon customer request, Please consult the sales office.
- 2. 可提供 ASTM 标准规定的所有铸造和锻造材料。
All ASTM-standard cast and forged materials available .
- 3. 根据客户要求, 阀座可提供 RPTFE, PEEK, DEVLON, 石墨等。
Valve Seat Materials (Optional): RPTFE, PEEK, DEVLON, Graphite.

上装式球阀系列
TOP ENTRY BALL VALVE

尺寸 / SIZE



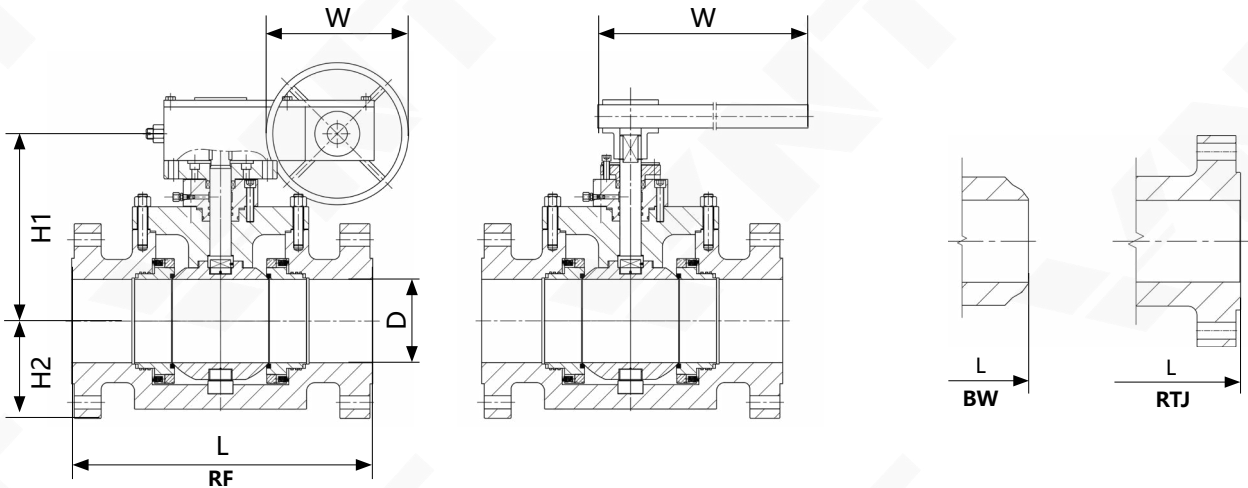
全通径 /Full Bore																	
口径 /DIA		D		L/RF		L/BW		L/RTJ		H1		H2		W		重量 /Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	Kg
1-1/2	40	1.50	38	9.49	241	9.49	241	9.57	243	7.68	195	2.76	70	15.75	400	83.78	38
2	50	2.01	51	11.50	292	11.50	292	11.61	295	8.23	209	4.33	110	15.75	400	83.78	38
3	80	2.99	76	14.02	356	14.02	356	14.13	359	9.45	240	4.33	110	29.53	750	176.37	80
4	100	4.02	102	17.01	432	17.01	432	17.13	435	11.02	280	6.89	175	39.37	1000	330.70	150
6	150	5.98	152	22.01	559	22.01	559	22.13	562	12.01	305	7.68	195	11.81	*300	652.57	296
8	200	7.99	203	25.98	660	25.98	660	26.10	663	15.75	400	11.02	280	11.81	*300	965.63	438
10	250	10.00	254	30.98	787	30.98	787	31.14	791	17.13	435	11.22	285	19.69	*500	1324.99	601
12	300	12.01	305	32.99	838	32.99	838	33.11	841	17.32	440	12.60	320	23.62	*600	1377.90	625
14	350	13.27	337	35.00	889	35.00	889	35.12	892	19.88	505	13.39	340	23.62	*600	2711.70	1230
16	400	15.24	387	39.02	991	39.02	991	39.13	994	23.23	590	16.14	410	23.62	*600	3384.11	1535
18	450	17.24	438	42.99	1092	42.99	1092	43.11	1095	27.56	700	17.52	445	23.62	*600	4706.89	2135
20	500	19.25	489	47.01	1194	47.01	1194	47.24	1200	30.51	775	20.08	510	23.62	*600	5820.23	2640
24	600	23.27	591	55.00	1397	55.00	1397	55.39	1407	33.07	840	25.20	640	23.62	*600	8730.35	3960

关于 24"以上阀门的资料请联系销售部
Please contact us for information above 24" valves.

缩径 /Reduced Bore																	
口径 /DIA		D		L/RF		L/BW		L/RTJ		H1		H2		W		重量	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	Kg
2*1-1/2	50*40	1.50	38	11.50	292	11.50	292	11.61	295	7.68	195	2.76	70	15.75	400	88.19	40
3*2	80*50	2.01	51	14.02	356	14.02	356	14.13	359	8.23	209	4.33	110	15.75	400	119.05	54
4*3	100*80	2.99	76	17.01	432	17.01	432	17.13	435	9.45	240	4.33	110	29.53	750	218.26	99
6*4	150*100	4.02	102	22.01	559	22.01	559	22.13	562	11.02	280	6.89	175	39.37	1000	467.38	212
8*6	200*150	5.98	152	25.98	660	25.98	660	26.10	663	12.01	305	7.68	195	11.81	*300	670.21	304
10*8	250*200	7.99	203	30.98	787	30.98	787	31.14	791	15.75	400	11.02	280	11.81	*300	1124.36	510
12*10	300*250	10.00	254	32.99	838	32.99	838	33.11	841	17.13	435	11.22	285	19.69	*500	1988.58	902
14*12	350*300	12.01	305	35.00	889	35.00	889	35.12	892	17.32	440	12.60	320	23.62	*600	2403.05	1090
16*14	400*350	13.27	337	39.02	991	39.02	991	39.13	994	19.88	505	13.39	340	23.62	*600	2888.07	1310
18*16	450*400	15.24	387	42.99	1092	42.99	1092	43.11	1095	23.23	590	16.14	410	23.62	*600	3615.60	1640
20*18	500*450	17.24	438	47.01	1194	47.01	1194	47.24	1200	27.56	700	17.52	445	23.62	*600	5357.26	2430
24*20	600*500	19.25	489	55.00	1397	55.00	1397	55.39	1407	30.51	775	20.08	510	23.62	*600	7583.94	3440

关于 24*20"以上阀门的资料请联系销售部
Please contact us for information above 24*20" valves.

尺寸 / SIZE

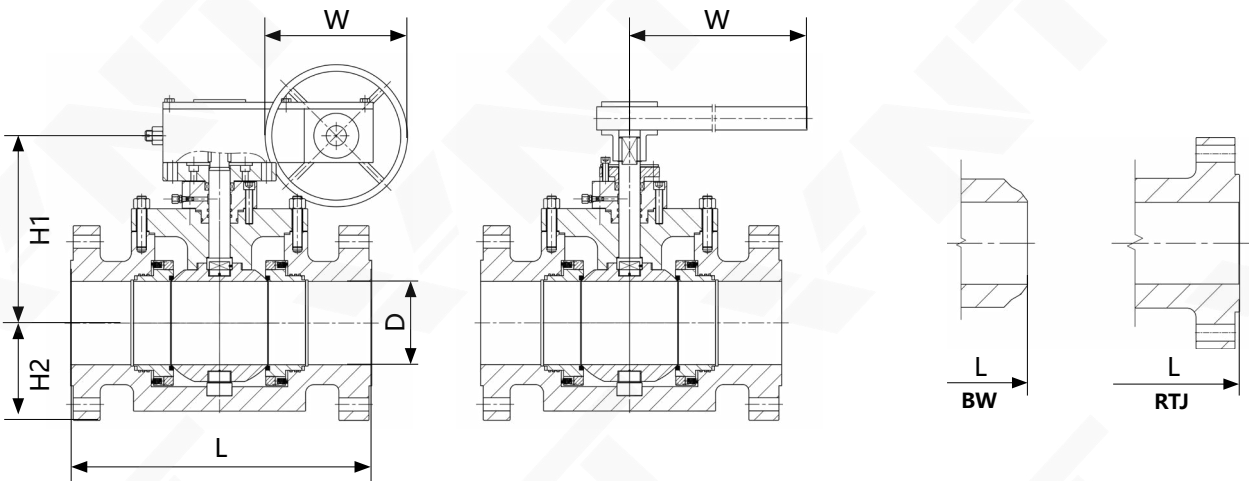


全通径 /Full Bore																	
口径 /DIA		D		L/RF		L/BW		L/RTJ		H1		H2		W		重量 /Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	Kg
1-1/2	40	1.50	38	12.01	305	12.01	305	12.12	308	7.87	200	3.15	80	15.75	400	88.2	40
2	50	2.01	51	14.49	368	14.49	368	14.49	371	8.46	215	4.72	120	29.53	750	114.64	52
3	80	2.99	76	15.00	381	15.00	381	15.00	384	9.45	240	5.12	130	39.37	1000	191.80	87
4	100	4.02	102	17.99	457	17.99	457	17.99	460	11.02	280	6.89	175	59.06	1500	352.74	160
6	150	5.98	152	24.02	610	24.02	610	24.02	613	13.78	350	8.66	220	11.81	*300	848.78	385
8	200	7.99	203	29.02	737	29.02	737	29.02	740	15.35	390	10.24	260	15.75	*400	1234.60	560
10	250	10.00	254	32.99	838	32.99	838	32.99	841	18.90	480	12.20	310	23.62	*600	1807.80	820
12	300	12.01	305	37.99	965	37.99	965	37.99	968	21.18	538	16.14	410	23.62	*600	2480.21	1125

缩径 /Reduced Bore																	
口径 /DIA		D		L/RF		L/BW		L/RTJ		H1		H2		W		重量 /Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	Kg
2*1-1/2	50*40	1.50	38	14.49	368	14.49	368	14.61	371	7.87	200	3.15	80	15.75	400	88.2	44
3*1-1/2	80*50	2.01	51	15.00	381	15.00	381	15.12	384	8.46	215	4.72	120	29.53	750	114.64	56
4*3	100*80	2.99	76	17.99	457	17.99	457	18.11	460	9.45	240	9.45	240	39.37	1000	191.80	94
6*4	150*100	4.02	102	24.02	610	24.02	610	24.13	613	11.02	280	11.02	280	59.06	1500	352.74	226
8*6	200*150	5.98	152	29.02	737	29.02	737	29.13	740	13.78	350	13.78	350	11.81	*300	848.78	480
10*8	250*200	7.99	203	32.99	838	32.99	838	33.11	841	15.35	390	15.35	390	15.75	*400	1234.60	650
12*10	300*250	10.00	254	37.99	965	37.99	965	38.11	968	18.90	480	18.90	480	23.62	*600	1807.80	868

全通径 /Full Bore																	
口径 /DIA		D		L/RF		L/BW		L/RTJ		H1		H2		W		重量 /Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	Kg
2	50	2.01	51	14.49	368	14.49	368	14.61	371	8.07	205	4.72	120	29.53	750	132.28	60
3	80	2.99	76	18.50	470	18.50	470	18.62	473	8.27	210	4.92	125	39.37	1000	253.53	115
4	100	4.02	102	21.50	546	21.50	546	21.61	549	9.65	245	6.30	160	39.37	1000	427.70	194
6	150	5.75	146	27.76	705	27.76	705	27.99	711	13.19	335	10.04	255	15.75	*400	1278.69	580
8	200	7.64	194	32.76	832	32.76	832	33.15	842	16.81	427	13.39	340	19.69	*500	1657.88	752
10	250	9.49	241	39.02	991	39.02	991	39.41	1001	19.76	502	15.00	381	23.62	*600	2634.54	1195
12	300	11.38	289	44.49	1130	44.49	1130	45.12	1146	20.98	533	17.24	438	23.62	*600	4784.06	2170

缩径 /Reduced Bore																	
口径 /DIA		D		L/RF		L/BW		L/RTJ		H1		H2		W		重量 /Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	Kg
3*2	50*40	2.99	76	18.50	470	18.50	470	18.62	473	8.07	205	4.72	120	29.53	750	180.78	82
4*3	100*80	4.02	102	21.50	546	21.50	546	21.61	549	8.27	210	4.92	125	39.37	1000	330.70	150
6*4	150*100	5.75	146	27.76	705	27.76	705	27.99	711	9.65	245	6.30	160	11.81	*300	650.37	295
8*6	200*150	7.64	194	32.76	832	32.76	832	33.11	841	13.19	335	10.04	255	15.75	*400	1521.20	690
10*8	250*200	9.49	241	39.02	991	39.02	991	39.41	1001	16.81	427	13.39	340	19.69	*500	2050.31	930
12*10	300*250	11.38	289	44.49	1130	44.49	1130	45.12	1146	19.76	502	15	381	23.62	*600	2954.21	1340



2500LB

全通径 /Full Bore

口径 /DIA		D		L/RF		L/BW		L/RTJ		H1		H2		W		重量 /Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	Kg
2	50	1.77	45	17.76	451	17.76	451	17.87	454	9.84	250	5.51	140	15.75	*400	54.45	120
3	80	2.52	64	22.76	578	22.76	578	22.99	584	11.81	300	5.91	150	19.69	*500	81.67	180
4	100	3.50	89	26.5	673	26.5	673	26.89	683	13.78	350	7.09	180	23.62	*600	190.56	420
6	150	5.24	133	35.98	914	35.98	914	36.5	927	27.56	700	18.31	465	23.62	*600	555.81	1225
8	200	7.13	181	40.24	1022	40.24	1022	40.87	1038	30.71	780	20.87	530	23.62	*600	934.66	2060
10	250	8.90	226	50	1270	50	1270	50.87	1292	40.75	1035	29.33	745	23.62	*600	1842.11	4060
12	300	10.47	266	55.98	1422	55.98	1422	56.85	1444	44.29	1125	32.48	825	23.62	*600	4092.56	9020

关于 12"以上阀门的资料请联系销售部
Please contact us for information above 12" valves.

缩径 /Reduced Bore

口径 /DIA		D		L/RF		L/BW		L/RTJ		H1		H2		W		重量 /Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	Kg
3*2	80*50	2.52	64	22.76	578	22.76	578	22.99	584	9.84	250	5.51	140	11.81	*300	63.52	140
4*3	100*80	3.50	89	26.5	673	26.5	673	26.89	683	11.81	300	5.91	150	15.75	*400	99.82	220
6*4	150*100	5.24	133	35.98	914	35.98	914	36.5	927	13.78	350	7.09	180	19.69	*500	226.86	500
8*6	200*150	7.13	181	40.24	1022	40.24	1022	40.87	1038	27.56	700	18.31	465	23.62	*600	666.97	1470
10*8	250*200	8.90	226	50	1270	50	1270	50.87	1292	30.71	780	20.87	530	23.62	*600	1120.69	2470
12*10	300*250	10.47	266	55.98	1422	55.98	1422	56.85	1444	40.75	1035	29.33	745	23.62	*600	2209.62	4870

关于 12*10"以上阀门的资料请联系销售部
Please contact us for information above 12*10" valves.

沃耐特承诺：自本产品售出 18 个月或者产品安装 12 月以内（以先到达者为限），如买方能够证实产品是符合本公司所建议的方法正确安装与使用；能够证实产品本身确实有设计、材料或者加工缺陷，并向本公司提出书面申诉，本公司将负责缺陷产品免费召回维修，更换或者按订货价全额退款。

在任何情况下，本公司均不承担因缺陷产品维修，更换而导致的劳务、材料、设备，工程或其他相关的连带费用。本公司此项质量担保可替代其他明示或暗示形式产品质量担保，并且可视为买方唯一赔偿和卖方的唯一责任。

Vornet Warranty: Within 18 months from the date of purchase or 12 months from installation (whichever occurs first), if the buyer can prove that the product was correctly installed and used according to the company's recommended methods, and can demonstrate a defect in design, material, or workmanship, XX will, upon receipt of a written claim, repair or replace the defective product free of charge, or provide a full refund of the purchase price.

In no event shall XX be liable for any labor, material, equipment, construction, or other related costs incurred as a result of repairing or replacing the defective product. This warranty replaces all other express or implied warranties and constitutes the buyer's exclusive remedy and the seller's sole liability.