

固定球阀 Trunnion Mounted Ball Valve

大 错固定球阀设计和制造按照API 6D规范，阀门的试验和检验按API 6D/API 598的规定，阀门的防火试验按API 607的规定。阀门的结构有侧装两片式、侧装三片式、顶装式以及全焊接结构。其主要特点如下：

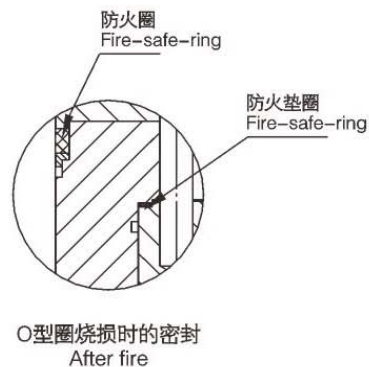
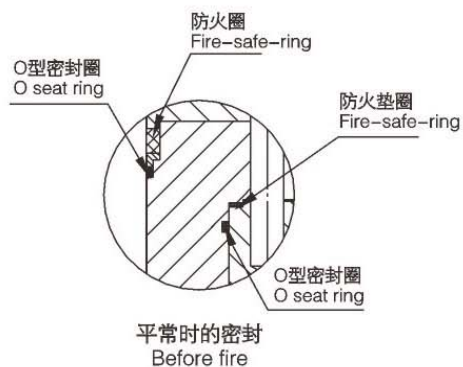
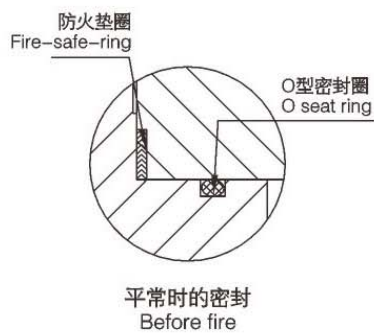
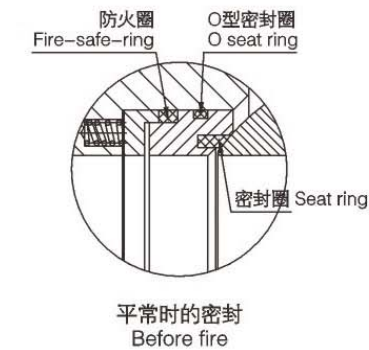
DAGO trunnion mounted ball valves are manufactured to API 6D specification and tested to API 598/API 607. The construction is side entry two pieces、side entry three pieces、top entry or full welded ball valve. The following are some of the major design features:

1、防火结构设计

根据 API 607/API6FA规范。在阀门使用现场发生火灾时，非金属材料制作的密封圈在高温下分解或破坏，能够借助金属辅助密封结构，起密封作用。

1. Fire-safe

All size and pressure valves have been successfully fire-safe tested according to the relevant API and BS specifications. Test certifications are available on request.



固定球阀 Trunnion Mounted Ball Valve

2. 防静电设计

采用弹簧和小球静电引出装置，通过阀杆使球与阀体之间形成静电通道，从而使球体与密封圈开关过程中摩擦产生的静电通过阀体引到大地，防止静电火花可能引起的火灾或爆炸等危险。

2. Antistatic

Electrical continuity of all valve components, prevent statics build-up.

3. 双阻塞双排放功能

固定球阀采用球前阀座密封结构。固定球阀的两个阀座能够独立切断进口的介质，实现双阻断功能。当球阀关闭时，即使阀门进出口两端同时受压，阀门中腔和两端通道也可以被阻断、中腔内的残留介质、污物可以通过排污阀排出。

3. Double Block & Bleed

Trunnion mounted ball valve generally use the seat sealing before ball construction. The two seats in the trunnion mounted ball valve can close the inlet and outlet respectively to implement the double block. When the valve is closed, even the both ends have pressure, the cavity and the bore can be blocked. The rest medium in the cavity can be discharged all to the drain plug.

4. 自动泄压功能

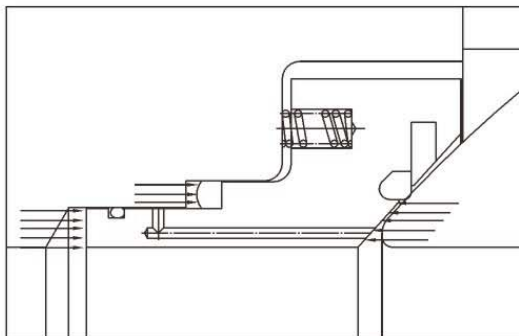
阀门中腔停滞的介质由于温度的升高，而出现异常升压时，阀座可自动泄压（向压力低的一端排放）。

4. Automatically drain plug on body

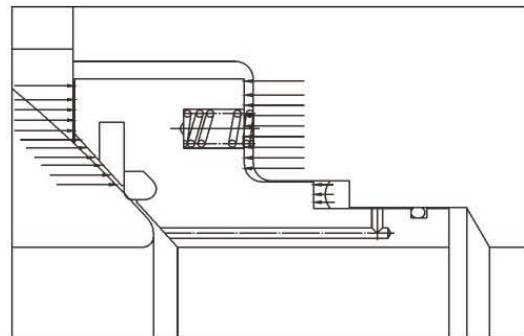
When the medium in the cavity has physical or chemical changes with the rising of temperature and results in the abnormal increase of cavity pressure. The construction design can push the seat depending on itself to release the pressure to make sure the safety of the valve.

5. 双活塞效应阀座供客户选择

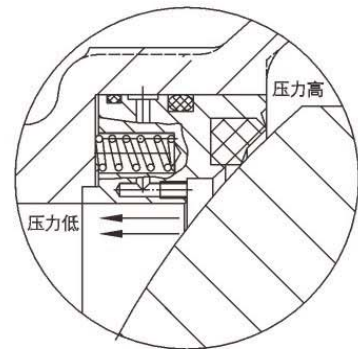
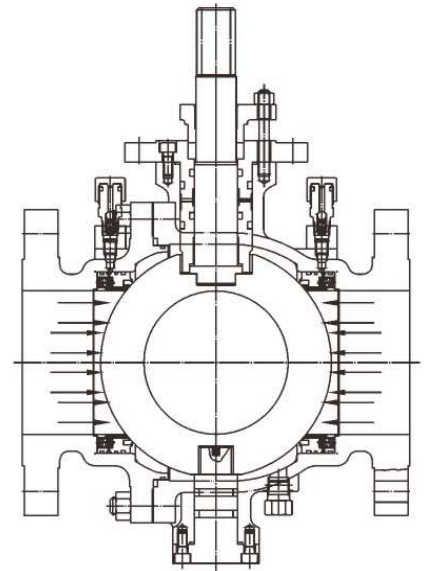
5. Optional: Double piston effect seat



前阀座密封
First barrier



后阀座密封
Second barrier



固定球阀 Trunnion Mounted Ball Valve

6、全通径

阀门流量孔与管线内径一致，便于管线的清扫，符合 API6D 的规定。

6、Full Bore

Valves have the same bore as the inner bore of the pipeline, convenient for PIG service.

7、密封的紧急救护及阀门的润滑

阀座及阀杆密封件出现损伤而出现泄露时，可以通过注脂阀注入的密封脂起到瞬时密封的作用。阀门正常工作状态下，可以通过注脂阀注入润滑脂对阀杆和球面进行润滑，使阀门启闭更加灵活轻便。

7、Emergency sealing and lubricating sealant

When the seat sealing ring is damaged by accident, we can inject the sealant via sealant emergency injection fittings to avoid the leakage by seat sealing ring.

8、驱动装置安装平台的设置

借助支架和联接套。便于安装任何型式的驱动装置。

8、The design of the top flange for actuator

The top flange with yoke and mounting plate is convenient to install the gear, electric and pneumatic actuator.

8、加长阀杆

对于安装在地下的阀门，根据安装和操作的需要，可对阀门的阀杆进行加长，加长阀杆的尺寸按客户的要求。

8、Extended stem for underground

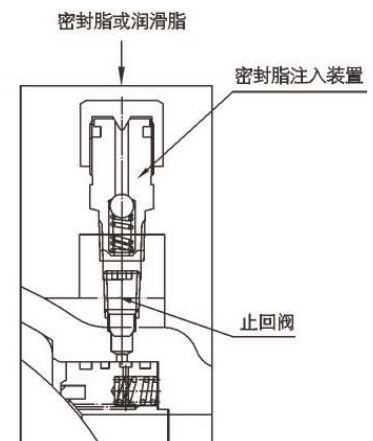
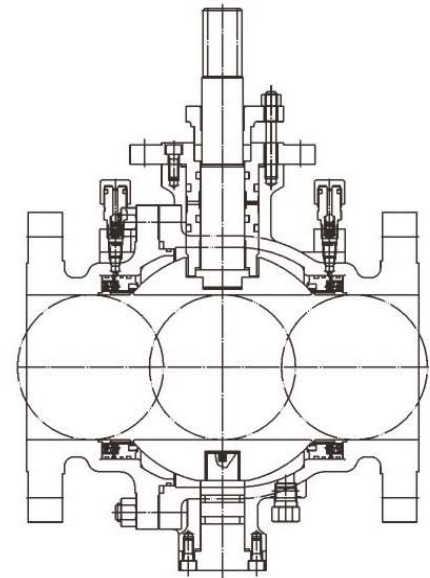
For the valves to be installed underground, the stem can be extended including all the relevant pipes, drain, vent and emergency sealant lines to be attached to the stem extension at the need of the installation or operation.

9、低温加长阀盖

对于要求在低温下工作的阀门，通过加长阀盖，增加了阀体和阀杆密封区的距离，避免了温度对密封的影响。加长的高度根据标准的规定，也可根据客户的要求。

9、Extended stem for Low temperature

To avoid the valve's packing to be damaged in the low temperature and resulted in the bad sealing, the stem can be extended at the demands.

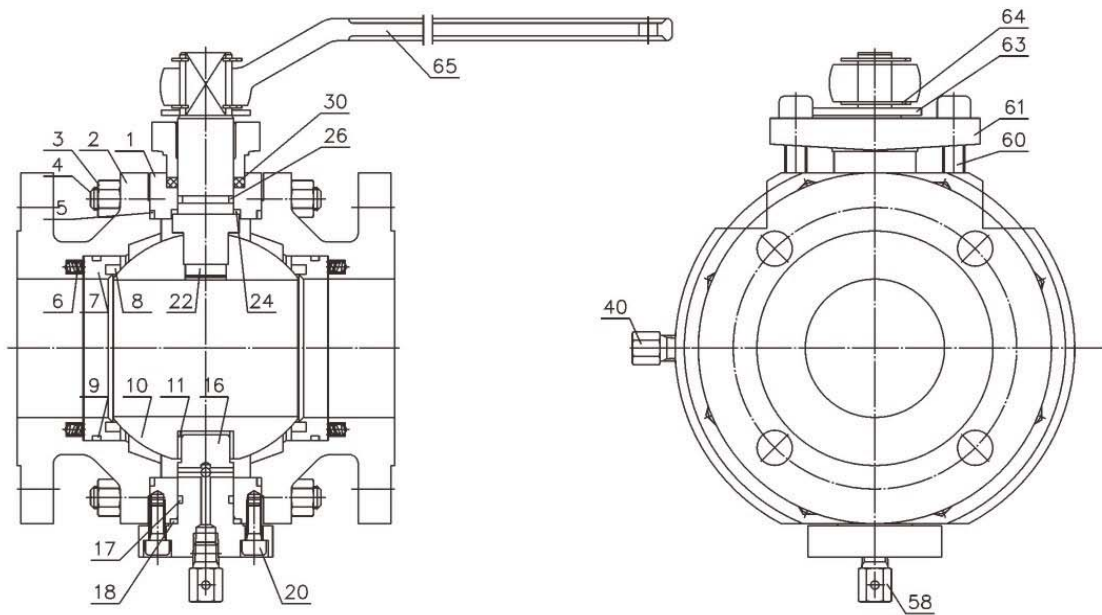


球阀系列/BALL VALVE SERIES

固定球阀 Trunnion Mounted Ball Valve

锻钢固定球阀(三片式) Forged Trunnion Mounted Ball Valve(Three-piece)

1/2"~6" x 4" Class150~Class300



应用规范

压力-温度等级: ASME B16.34

壳体壁厚: ASME B16.34

孔口尺寸: API 6D

结构长度: ASME B16.10、API 6D

连接尺寸: ASME B16.5

试验和检查: API 6D

主体材料: A105、LF2、F304、F316、F304L、F316L

Technical Specification

Temp. & pressure: ASME B16.34

Wall thickness: ASME B16.34

Bore dimension: API 6D

Face to face: ASME B16.10、API 6D

Flanges dimentions: ASME B16.5

Test & inspeccion: API 6D

Body material: A105、LF2、F304、F316、F304L、F316L

固定球阀 Trunnion Mounted Ball Valve

主要零部件材料 Form of Major Parts Material

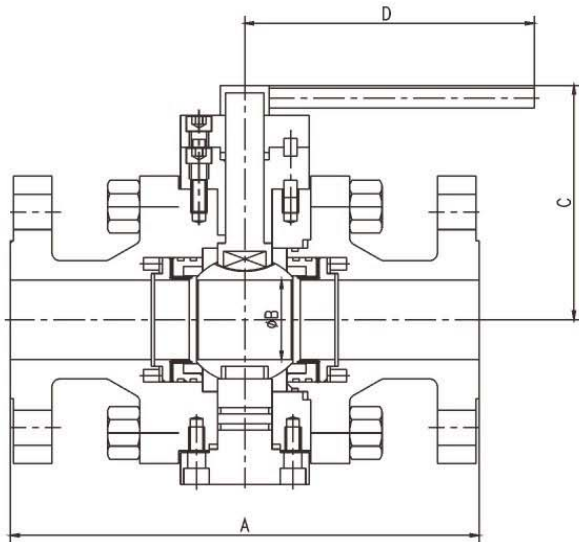
序号 No.	零件名称 Parts Name	材料 Materials		
		碳钢系列 Carbon Steel	低温钢系列 Low Temp. Steel	不锈钢系列 Stainless Steel
1	中体 Body mid section	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-304/316
2	左右体 Body side section	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-304/316
3	螺母 Nut	ASTM A194-2H/2HM	ASTM A194 4	ASTM A194-8M/8
4	螺栓 Bolt	ASTM A193-B7/B7M	ASTM A320 L7	ASTM A193-B8M/B8
5	O型密封圈 O-ring	VITON	VITON	VITON
6	弹簧 Spring	INCONELX-750	INCONELX-750	INCONELX-750
7	阀座支承圈 Seat ring	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-304/316
8	密封圈 Seat insert	RPTFE	RPTFE	RPTFE
9	O型密封圈 O-ring	VITON	VITON	VITON
10	球体 Ball	ASTM A105	ASTM A182-F304	ASTM A182-304/316
11	滑动轴承 Radial bearing	304+PTFE	304+PTFE	304+PTFE
16	下阀杆 Lower stem	ASTM A105	ASTM A182-F304	ASTM A182-304/316
17	O型密封圈 O-ring	VITON	VITON	VITON
18	垫片 Gasket	304+石墨 Graphite	304+石墨 Graphite	304+石墨 Graphite
20	螺钉 Screw	ASTM A193-B7/B7M	ASTM A320 L7	ASTM A193-B8M/B8
22	阀杆 Stem	ASTM A182-F6a	ASTM A182-F304	ASTM A182-304/316
24	止推轴承 Axial bearing	304+PTFE	304+PTFE	304+PTFE
26	O型密封圈 O-ring	VITON	VITON	VITON
30	填料 Packing	Graphite	Graphite	Graphite
58	排污阀 Drain valve	碳钢 Carbon Steel	ASTM A182 F304	ASTM A182 F304/F316
60	螺钉 Screw	ASTM A193-B7/B7M	ASTM A320 L7	ASTM A193-B8M/B8
61	填料压盖 Packing gland	碳钢 Carbon Steel	碳钢 Carbon Steel	ASTM A351 CF8/CF8M
63	定位块 Stopper	碳钢 Carbon Steel	碳钢 Carbon Steel	碳钢 Carbon Steel
64	弹簧挡圈 Snap ring	碳钢 Carbon Steel	碳钢 Carbon Steel	碳钢 Carbon Steel
65	手柄 Lever	碳钢 Carbon Steel	碳钢 Carbon Steel	碳钢 Carbon Steel

球阀系列/BALL VALVE SERIES

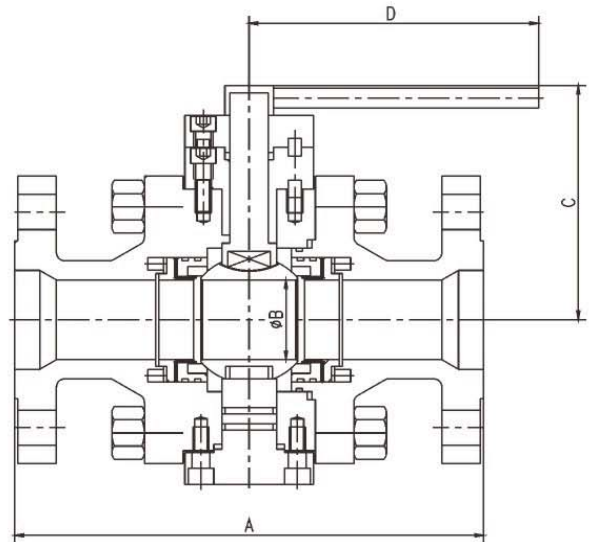
固定球阀 Trunnion Mounted Ball Valve

锻钢固定球阀(三片式) Forged Trunnion Mounted Ball Valve(Three-piece)

1/2"~6" x 4" Class150~Class300



TP 831F-TP 833F-TP 836F
TP 839F-TP 83AF-TP 83BF



TP 831R- TP 833R-TP 836R
TP 839R- TP83AR-TP-83BR

侧装式手柄操作 Side Entry Lever Operated

TP 831 F/R ANSI Class 150

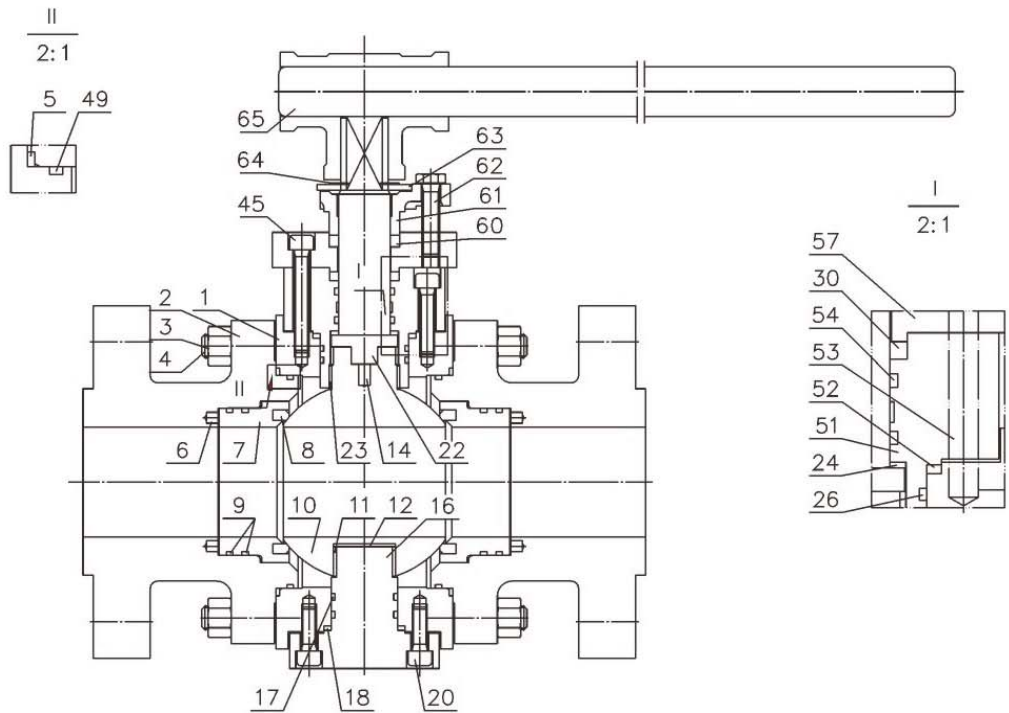
DN	A			B	C	D	重量(kg) Weight
	RF	BW	RTJ				
1/2"	165	165	-	Φ 13	115	300	16
3/4" x 1/2"	191	191	-	Φ 13	115	300	20
3/4"	191	191	-	Φ 20	125	300	21
1" x 3/4"	216	216	216	Φ 20	125	300	21
1"	216	216	216	Φ 25	142	400	23
1 1/2" x 1"	165	191	178	Φ 25	142	400	25
1 1/2"	165	191	178	Φ 38	162	400	26
2" x 1 1/2"	178	216	191	Φ 38	162	400	25
2"	178	216	191	Φ 51	185	600	28
3" x 2"	204	283	216	Φ 51	185	600	28
3"	204	283	216	Φ 76	210	600	52
4" x 3"	229	305	241	Φ 76	210	600	52
4"	229	305	241	Φ 102	230	750	96
6" x 4"	394	458	406	Φ 102	230	750	96

TP 833 F/R ANSI Class 300

DN	A			B	C	D	重量(kg) Weight
	RF	BW	RTJ				
1/2"	165	165	165	Φ 13	115	300	17
3/4" x 1/2"	191	191	191	Φ 13	115	300	20
3/4"	191	191	191	Φ 20	125	300	22
1" x 3/4"	216	216	216	Φ 20	125	300	25
1"	216	216	216	Φ 25	142	400	25
1 1/2" x 1"	191	191	203	Φ 25	142	400	28
1 1/2"	191	191	203	Φ 38	162	400	32
2" x 1 1/2"	216	216	232	Φ 38	162	400	36
2"	216	216	232	Φ 51	185	600	30
3" x 2"	283	283	298	Φ 51	185	600	35
3"	283	283	298	Φ 76	210	600	60
4" x 3"	305	305	321	Φ 76	210	600	70
4"	305	305	321	Φ 102	230	750	105
6" x 4"	404	458	419	Φ 102	230	750	118

固定球阀 Trunnion Mounted Ball Valve

锻钢固定球阀(三片式) Forged Trunnion Mounted Ball Valve(Three-piece)
(1/2"~6" Class600~Class2500)



应用规范

压力-温度等级: ASME B16.34
壳体壁厚: ASME B16.34
孔口尺寸: API 6D
结构长度: ASME B16.10、API 6D
连接尺寸: ASME B16.5
试验和检查: API 6D
主体材料: A105、LF2、F304、F316、F304L、F316L

Technical Specification

Temp. & pressure: ASME B16.34
Wall thickness: ASME B16.34
Bore dimension: API 6D
Face to face: ASME B16.10、API 6D
Flanges dimensions: ASME B16.5
Test & inspection: API 6D
Body material: A105、LF2、F304、F316、F304L、F316L

主要零部件材料 Form of Major Parts Material

序号 No.	零件名称 Parts Name	材料 Materials		
		碳钢系列 Carbon Steel	低温钢系列 Low Temp. Steel	不锈钢系列 Stainless Steel
1	中体 Body mid section	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-304/316
2	左右体 Body side section	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-304/316
3	螺母 Nut	ASTM A194-2H/2HM	ASTM A194 4	ASTM A194-8M/8
4	螺栓 Bolt	ASTM A193-B7/B7M	ASTM A320 L7	ASTM A193-B8M/B8
5	O型密封圈 O-ring	VITON	VITON	VITON

球阀系列/BALL VALVE SERIES

固定球阀 Trunnion Mounted Ball Valve

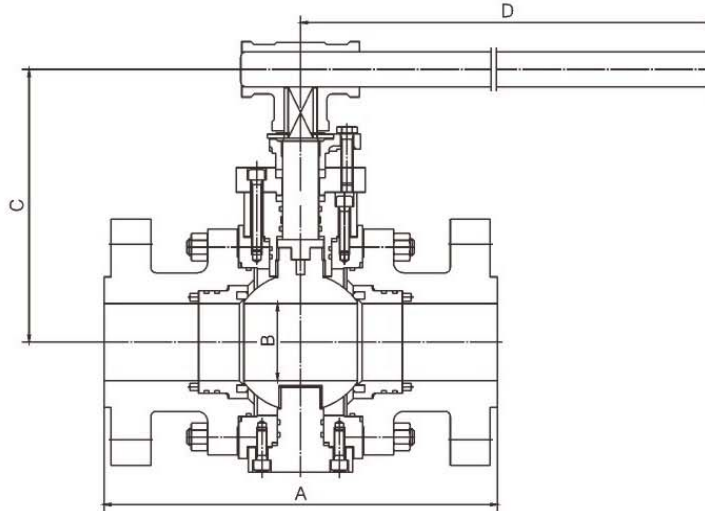
续表

序号 No.	零件名称 Parts Name	材料 Materials		
		碳钢系列 Carbon Steel	低温钢系列 Low Temp. Steel	不锈钢系列 Stainless Steel
6	弹簧 Spring	INCONELX-750	INCONELX-750	INCONELX-750
7	阀座支承圈 Seat ring	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-F304/316
8	密封圈 Seat insert	RPTFE	RPTFE	RPTFE
9	O型密封圈 O-ring	VITON	VITON	VITON
10	球体 Ball	ASTM A105	ASTM A182-F304	ASTM A182-F304/316
11	滑动轴承 Radial bearing	304+PTFE	304+PTFE	304+PTFE
12	止推轴承 Axial bearing	304+PTFE	304+PTFE	304+PTFE
14	弹簧 Spring	ASTM A276-316	ASTM A276-316	ASTM A276-316
16	下阀杆 Lower stem	ASTM 105	ASTM A182-F304	ASTM A182-F304/316
17	O型密封圈 O-ring	VITON	VITON	VITON
18	垫片 Gasket	304+Graphite	304+Graphite	304+Graphite
20	螺钉 Screw	ASTM A193-B7/B7M	ASTM A320 L7	ASTM A193-B8M/B8
22	阀杆 Stem	ASTM A182-F6a	ASTM A182-F304	ASTM A182-F304/316
23	滑动轴承 Radial bearing	304+PTFE	304+PTFE	304+PTFE
24	止推轴承 Axial bearing	304+PTFE	304+PTFE	304+PTFE
26	O型密封圈 O-ring	VITON	VITON	VITON
30	填料 Packing	Graphite	Graphite	Graphite
45	螺钉 Screw	ASTM A193-B7/B7M	ASTM A320 L7	ASTM A193-B8M/B8
49	O型密封圈 O-ring	VITON	VITON	VITON
51	上轴套 Flange adapter	ASTM A105	ASTM A182-F304	ASTM A182-F304/316
52	垫片 Gasket	304+Graphite	304+Graphite	304+Graphite
54	O型密封圈 O-ring	VITON	VITON	VITON
57	压盖 Gland	ASTM A105	ASTM A350 LF2/LF3	ASTM A182-F304/316
58	排污阀 Drain valve	碳钢 Carbon Steel	碳钢 Carbon Steel	不锈钢 Stainless Steel
60	填料 Packing	Graphite/PTFE	Graphite/PTFE	Graphite/PTFE
61	填料压盖 Packing gland	A216-WCB	A352-LCB	A351 CF8/A351 CF8M
62	螺钉 Screw	ASTM A193-B7/B7M	ASTM A 320 L7	ASTM A193-B8M/B8
63	定位块 Stopper	碳钢 Carbon Steel	碳钢 Carbon Steel	碳钢 Carbon Steel
64	弹簧挡圈 Snap ring	碳钢 Carbon Steel	碳钢 Carbon Steel	碳钢 Carbon Steel
65	手柄 Lever	碳钢 Carbon Steel	碳钢 Carbon Steel	碳钢 Carbon Steel

固定球阀 Trunnion Mounted Ball Valve

锻钢固定球阀(三片式) Forged Trunnion Mounted Ball Valve(Three-piece)

(1/2"~6" x 4" Class600~Class2500)



侧装式手柄操作 Side Entry Lever Operated

TP 836 F/R ANSI Class 600

DN	A			B	C	D	重量(kg) Weight
	RF	BW	RTJ				
1/2"	216	216	216	Φ 13	115	300	22
3/4" x 1/2"	216	216	216	Φ 13	115	300	22
3/4"	216	216	216	Φ 20	125	300	23
1" x 3/4"	216	216	216	Φ 20	125	300	25
1"	216	216	216	Φ 25	142	400	25
1 1/2" x 1"	242	242	242	Φ 25	142	400	28
1 1/2"	242	242	242	Φ 38	162	400	30
2" x 1 1/2"	293	293	296	Φ 38	162	400	33
2"	293	293	296	Φ 51	185	600	36
3" x 2"	356	356	359	Φ 51	185	600	41
3"	356	356	359	Φ 76	210	750	70
4" x 3"	432	432	435	Φ 76	210	750	82
4"	432	432	435	Φ 102	230	900	126
6" x 4"	560	560	563	Φ 102	230	900	143

TP 839 F/R ANSI Class 900

DN	A			B	C	D	重量(kg) Weight
	RF	BW	RTJ				
1/2"	216	216	216	Φ 13	115	300	22
3/4" x 1/2"	229	229	229	Φ 13	115	300	25
3/4"	229	229	229	Φ 20	125	300	26
1" x 3/4"	254	254	254	Φ 20	125	300	28
1"	254	254	254	Φ 25	142	400	31
1 1/2" x 1"	305	305	305	Φ 25	142	400	35
1 1/2"	305	305	305	Φ 38	162	400	42
2" x 1 1/2"	369	369	372	Φ 38	162	400	45
2"	369	369	372	Φ 51	185	600	50
3" x 2"	381	381	384	Φ 51	185	600	55
3"	381	381	384	Φ 76	210	800	83
4" x 3"	458	458	461	Φ 76	210	800	95
4"	458	458	461	Φ 102	275	-	155
6" x 4"	610	610	613	Φ 102	275	-	170

TP 83A F/R ANSI Class 1500

DN	A			B	C	D	重量(kg) Weight
	RF	BW	RTJ				
1/2"	216	216	216	Φ 13	115	300	22
3/4" x 1/2"	229	229	229	Φ 13	115	300	25
3/4"	229	229	229	Φ 20	125	300	26
1" x 3/4"	254	254	254	Φ 20	125	300	28
1"	254	254	254	Φ 25	142	400	31
1 1/2" x 1"	305	305	305	Φ 25	142	400	35
1 1/2"	305	305	305	Φ 38	162	400	42
2" x 1 1/2"	369	369	372	Φ 38	162	400	45
2"	369	369	372	Φ 51	185	600	50
3" x 2"	470	470	474	Φ 51	185	600	60
3"	470	470	474	Φ 76	210	800	115
4" x 3"	547	547	550	Φ 76	210	800	120
4"	547	547	550	Φ 102	275	800	195
6" x 4"	705	705	712	Φ 102	275	-	213

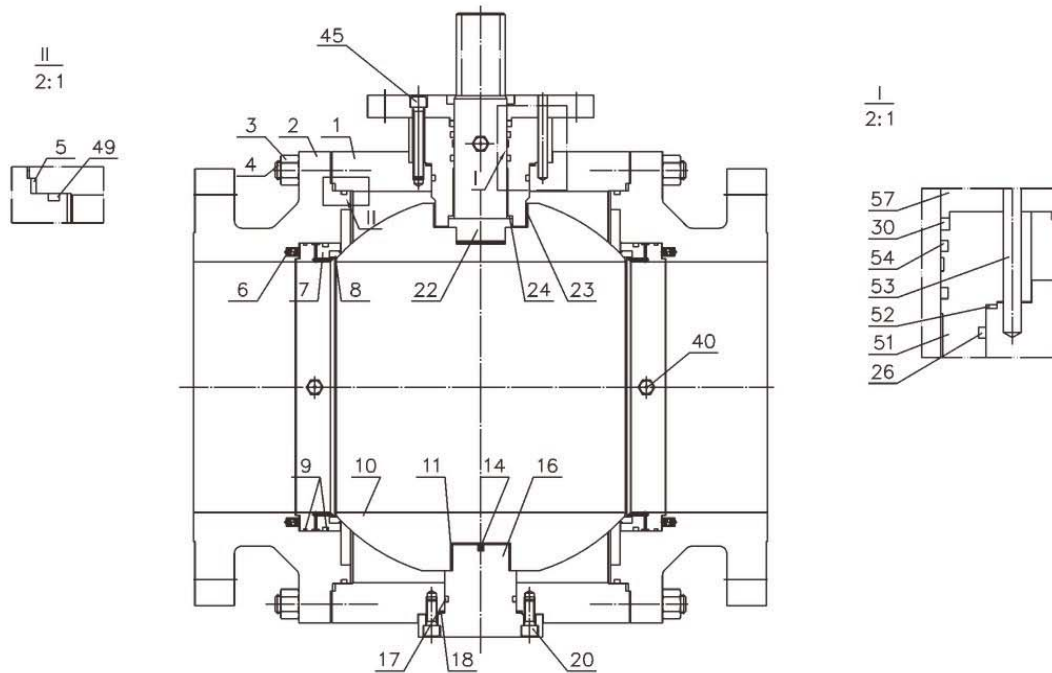
TP 83B F/R ANSI Class 2500

DN	A			B	C	D	重量(kg) Weight
	RF	BW	RTJ				
1/2"	264	264	264	13	135	400	31
3/4" x 1/2"	273	273	273	13	135	400	33
3/4"	273	273	273	20	142	400	34
1" x 3/4"	308	308	308	20	142	400	38
1"	308	308	308	Φ 20	142	400	40
1 1/2" x 1"	384	384	387	Φ 20	142	400	48
1 1/2"	384	384	387	Φ 30	170	500	53
2" x 1 1/2"	451	451	454	Φ 30	170	500	71
2"	451	451	454	Φ 44	210	750	101
3" x 2"	578	578	584	Φ 44	210	750	182
3"	578	578	584	Φ 63	255	900	235
4" x 3"	673	673	683	Φ 63	255	900	308
4"	673	673	683	Φ 89	350	-	410
6" x 4"	914	914	927	Φ 89	350	-	580

球阀系列/BALL VALVE SERIES

固定球阀 Trunnion Mounted Ball Valve

锻钢固定球阀(三片式) Forged Trunnion Mounted Ball Valve(Three-piece)



应用规范

压力-温度等级: ASME B16.34
壳体壁厚: ASME B16.34
孔口尺寸: API 6D
结构长度: ASME B16.10、API 6D
连接尺寸: ASME B16.5
试验和检查: API 6D
主体材料: A105、LF2、F304、F316、F304L、F316L

Technical Specification

Temp. & pressure: ASME B16.34
Wall thickness: ASME B16.34
Bore dimension: API 6D
Face to face: ASME B16.10、API 6D
Flanges dimensions: ASME B16.5
Test & inspection: API 6D
Body material: A105、LF2、F304、F316、F304L、F316L

主要零件材料 Form of Major Parts Material

序号 No.	零件名称 Parts Name	材料 Materials		
		碳钢系列 Carbon Steel	低温钢系列 Low Temp. Steel	不锈钢系列 Stainless Steel
1	中体 Body mid section	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-304/316
2	左右体 Body side section	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-304/316
3	螺母 Nut	ASTM A194-2H/2HM	ASTM A194 4	ASTM A194-8/8M
4	螺栓 Bolt	ASTM A193-B7/B7M	ASTM A320 L7	ASTM A193-B8/B8M
5	O型密封圈 O-ring	VITON	VITON	VITON

固定球阀 Trunnion Mounted Ball Valve

续表

序号 No.	零件名称 Parts Name	材料 Materials		
		碳钢系列 Carbon Steel	低温钢系列 Low Temp. Steel	不锈钢系列 Stainless Steel
6	弹簧 Spring	INCONELX-750	INCONELX-750	INCONELX-750
7	阀座支承圈 Seat ring	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-F304/316
8	密封圈 Seat insert	RPTFE	RPTFE	RPTFE
9	O型密封圈 O-ring	VITON	VITON	VITON
10	球体 Ball	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-F304/316
11	滑动轴承 Radial bearing	304+PTFE	304+PTFE	304+PTFE
14	弹簧 Spring	ASTM A276-316	ASTM A276-316	ASTM A276-316
16	下阀杆 Lower stem	ASTM 105	ASTM A350-LF2/LF3	ASTM A182-F304/316
17	O型密封圈 O-ring	VITON	VITON	VITON
18	垫片 Gasket	304+Graphite	304+Graphite	304+Graphite
20	螺钉 Screw	ASTM A193-B7/B7M	ASTM A320 L7	ASTM A193-B8M/B8
22	上阀杆 Stem	ASTM A182-F6a	ASTM A350-LF2/LF3	ASTM A182-F304/316
23	滑动轴承 Radial bearing	304+PTFE	304+PTFE	304+PTFE
24	止推轴承 Axial bearing	304+PTFE	304+PTFE	304+PTFE
26	O型密封圈 O-ring	VITON	VITON	VITON
30	填料 Packing	Graphite	Graphite	Graphite
40	注脂阀 Sealant injection	碳钢 Carbon Steel	碳钢 Carbon Steel	不锈钢 Stainless Steel
45	螺钉 Screw	ASTM A193-B7/B7M	ASTM A320 L7	ASTM A193-B8M/B8
49	O型密封圈 O-ring	VITON	VITON	VITON
51	上轴套 Flange adapter	ASTM A105	ASTM A182-F304	ASTM A182-F304/316
52	垫片 Gasket	304+Graphite	304+Graphite	304+Graphite
53	定位销 Pin	碳钢 Carbon Steel	碳钢 Carbon Steel	不锈钢 Stainless Steel
54	O型密封圈 O-ring	VITON	VITON	VITON
57	联接盘 Gland	ASTM A105	ASTM A182-F304	ASTM A182-F304/316
58	排污阀 Drain valve	碳钢 Carbon Steel	碳钢 Carbon Steel	不锈钢 Stainless Steel

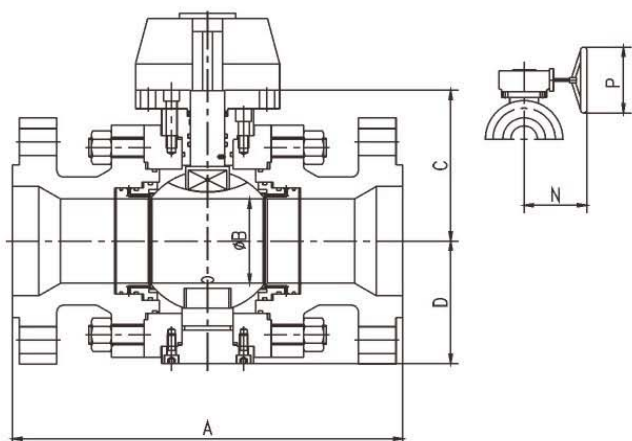
球阀系列/BALL VALVE SERIES

固定球阀 Trunnion Mounted Ball Valve

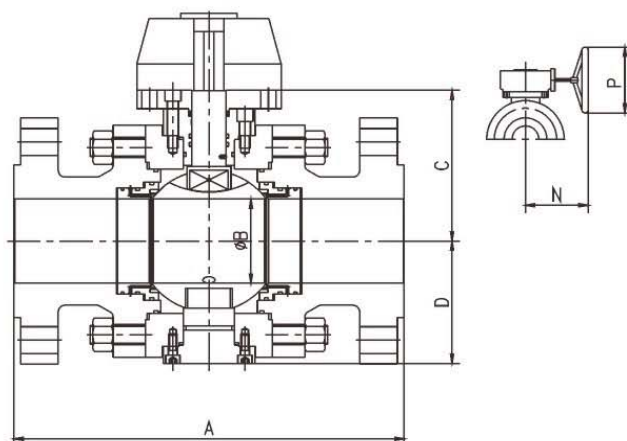
锻钢固定球阀(三片式) Forged Trunnion Mounted Ball Valve(Three-piece)

DN150及以上 PN2.0、PN5.0、PN10.0、PN16.0MPa

(6"及以上 Class150、Class300、Class600、Class900)



TP 831F-TP 833F-TP 836F
TP 839F-TP 83AF-TP 83BF



TP 831R- TP 833R-TP 836R
TP 839R- TP83AR-TP-83BR

侧装式蜗轮操作 Side Entry Gear Operated

TR 831 F/R ANSI Class 150

DN	A			B	C	D	P	N	重量(kg) Weight
	RF	BW	RTJ						
6"	394	458	406	Φ 152	225	190	400	265	184
8" × 6"	458	521	470	Φ 152	225	190	400	265	200
8"	458	521	470	Φ 203	265	230	400	265	285
10" × 8"	534	559	546	Φ 203	265	230	400	265	320
10"	534	559	546	Φ 254	315	270	400	265	415
12" × 10"	610	635	622	Φ 254	315	270	400	265	482
12"	610	635	622	Φ 305	375	325	500	285	653
14" × 12"	686	762	699	Φ 305	375	325	500	285	680
14"	686	762	699	Φ 337	410	380	600	375	800
16" × 12"	762	838	775	Φ 305	375	325	500	285	750
16"	762	838	775	Φ 387	435	405	700	385	1040
18" × 16"	864	914	876	Φ 387	435	405	700	385	1110
18"	864	915	876	Φ 438	498	457	700	385	1450
20" × 16"	915	991	927	Φ 387	440	398	700	385	1290
20"	915	991	927	Φ 489	537	497	600	490	1930
24" × 20"	1067	1143	1080	Φ 489	537	497	600	490	2300
24"	1067	1143	1080	Φ 590	690	610	600	490	3150
26"	1143	1245	-	Φ 633	690	700	600	490	3900
28"	1245	1346	-	Φ 684	700	700	600	490	4750
30" × 24"	1295	1397	-	Φ 590	620	700	600	490	3750
30"	1295	1397	-	Φ 735	740	770	700	585	5750
32"	1372	1524	-	Φ 779	780	810	700	585	6400
34"	1473	1626	-	Φ 830	840	850	700	585	7300
36" × 30"	1524	1727	-	Φ 735	740	770	700	585	6350
36"	1524	1727	-	Φ 874	870	880	700	585	8100

TR 833 F/R ANSI Class 300

DN	A			B	C	D	P	N	重量(kg) Weight
	RF	BW	RTJ						
6"	404	458	419	Φ 152	225	190	400	265	190
8" × 6"	502	521	518	Φ 152	225	190	400	265	215
8"	502	521	518	Φ 203	265	230	400	265	323
10" × 8"	569	559	584	Φ 203	265	230	400	265	400
10"	569	559	584	Φ 254	315	270	400	265	530
12" × 10"	648	635	664	Φ 254	315	270	400	265	570
12"	648	635	664	Φ 305	375	325	500	285	740
14" × 12"	762	762	778	Φ 305	375	325	500	285	780
14"	762	762	778	Φ 337	410	380	600	375	1020
16" × 12"	838	838	854	Φ 305	375	325	500	285	970
16"	838	838	854	Φ 387	435	405	700	385	1450
18" × 16"	914	914	930	Φ 387	435	405	700	385	1620
18"	915	915	930	Φ 438	498	457	700	385	1730
20" × 16"	991	991	1010	Φ 387	440	398	700	385	1770
20"	991	991	1010	Φ 489	537	497	600	490	2190
24" × 20"	1143	1143	1165	Φ 489	537	497	600	490	2680
24"	1143	1143	1165	Φ 590	690	610	600	490	3300
26"	1143	1245	1270	Φ 633	690	700	600	490	3900
28"	1245	1346	1372	Φ 684	700	700	600	490	4750
30" × 24"	1295	1397	1422	Φ 590	620	700	600	490	3750
30"	1295	1397	1422	Φ 735	740	770	700	585	5750
32"	1372	1524	1553	Φ 779	780	810	700	585	6400
34"	1473	1626	1654	Φ 830	840	850	700	585	7300
36" × 30"	1524	1727	1756	Φ 735	740	770	700	585	6350
36"	1524	1727	1756	Φ 874	870	880	700	585	8100

固定球阀 Trunnion Mounted Ball Valve



侧装式蜗轮操作 Side Entry Gear Operated

TR 836 F/R ANSI Class 600

DN	A			B	C	D	P	N	重量(kg) Weight
	RF	BW	RTJ						
6"	560	560	563	Φ 152	225	190	400	265	232
8" × 6"	661	661	664	Φ 152	225	190	400	265	282
8"	661	661	664	Φ 203	315	260	600	375	408
10" × 8"	788	788	791	Φ 203	315	260	600	375	491
10"	788	788	791	Φ 254	360	300	600	375	650
12" × 10"	840	840	843	Φ 254	360	300	600	375	816
12"	840	840	843	Φ 305	375	325	700	385	850
14" × 12"	890	890	893	Φ 305	375	325	700	385	1150
14"	889	889	892	Φ 337	410	380	500	385	1115
16" × 12"	991	991	994	Φ 305	375	325	700	385	1450
16"	991	991	994	Φ 387	470	430	600	490	1550
18" × 16"	1092	1092	1095	Φ 387	470	430	600	490	1740
18"	1092	1092	1095	Φ 438	573	502	600	490	2080
20" × 16"	1194	1194	1197	Φ 387	535	465	600	490	1900
20"	1194	1194	1197	Φ 489	657	580	700	585	2360
24" × 20"	1397	1397	1407	Φ 489	657	580	700	585	3210
24"	1397	1397	1407	Φ 590	620	700	700	585	4200
26"	1448	1448	1461	Φ 633	690	700	700	600	5370
28"	1549	1549	1562	Φ 684	700	700	700	600	6680
30" × 24"	1651	1651	1664	Φ 590	620	700	700	585	
30"	1651	1651	1664	Φ 735	740	770	600	680	8220

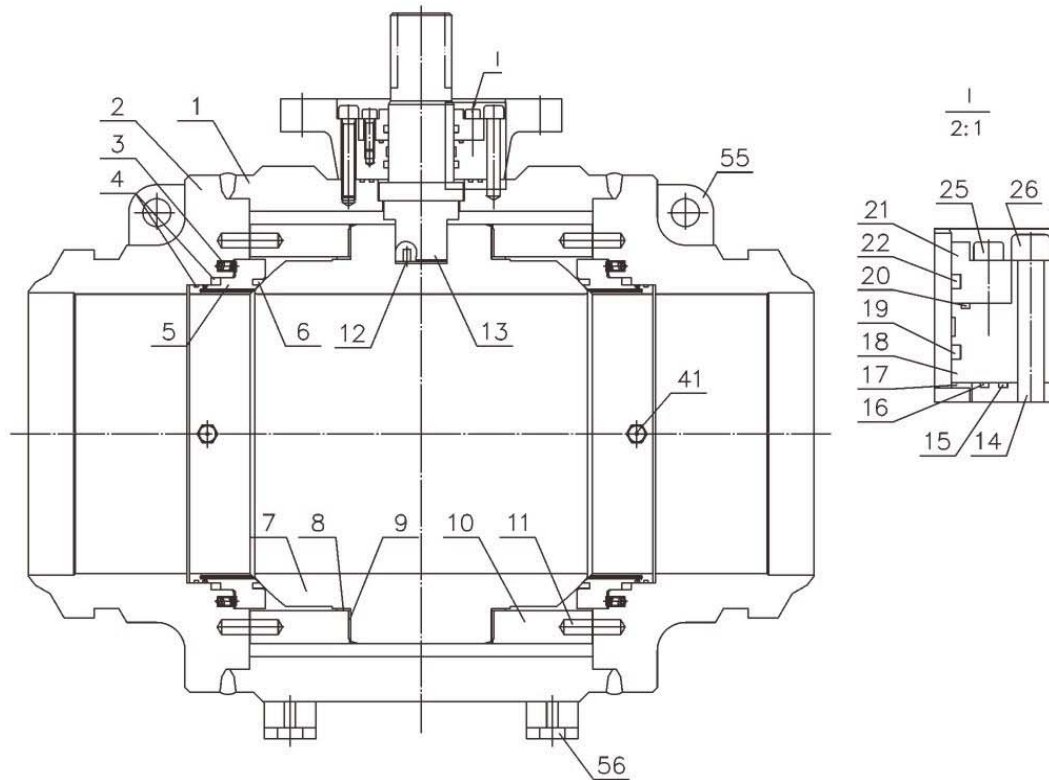
TR 839 F/R ANSI Class 900

DN	A			B	C	D	P	N	重量(kg) Weight
	RF	BW	RTJ						
6"	610	610	613	Φ 152	225	190	500	285	297
8" × 6"	737	737	740	Φ 152	225	190	500	285	346
8"	737	737	740	Φ 203	315	260	700	385	429
10" × 8"	839	839	842	Φ 203	315	260	700	385	589
10"	839	839	842	Φ 254	360	300	700	385	667
12" × 10"	966	966	969	Φ 254	360	300	700	385	818
12"	966	966	969	Φ 305	400	365	500	385	1062
14" × 12"	1029	1029	1039	Φ 305	400	365	500	385	1360
14"	1029	1029	1038	Φ 324	425	395	600	490	1520
16" × 12"	1131	1131	1140	Φ 305	400	365	500	385	1730
16"	1130	1130	1140	Φ 375	470	430	600	490	2215
18" × 16"	1219	1219	1232	Φ 375	470	430	600	490	2490
18"	1219	1219	1232	Φ 423	500	520	700	585	2980
20" × 16"	1321	1321	1334	Φ 375	470	430	600	490	2900
20"	1321	1321	1334	Φ 471	570	630	700	585	3600
24" × 20"	1549	1549	1568	Φ 471	570	630	700	585	4460
24"	1549	1549	1568	Φ 570	650	700	700	600	6150

全焊接球阀 Fully Welded Ball Valve

全焊接球阀(三片式)

Fully Welded Ball Valve(Three-piece)



应用规范

压力-温度等级: ASME B16.34

壳体壁厚: ASME B16.34

孔口尺寸: API 6D

结构长度: ASME B16.10、API 6D

连接尺寸: ASME B16.5、ASME B16.25

试验和检查: API 6D

阀体材料: A105、LF2、F304、F316、F304L、F316L

Technical Specification

Temp. & pressure: ASME B16.34

Wall thickness: ASME B16.34

Bore dimension: API 6D

Face to face: ASME B16.10、API 6D

Flanges dimensions: ASME B16.5、ASME B16.25

Test & inspection: API 6D

Body material: A105、LF2、F304、F316、F304L、F316L

全焊接球阀 Fully Welded Ball Valve

主要零部件材料 Form of Major Parts Material

序号 No.	零件名称 Parts Name	材料 Materials		
		碳钢系列 Carbon Steel	低温钢系列 Low Temp. Steel	不锈钢系列 Stainless Steel
1	中体 Body mid section	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-304/316
2	左右体 Body side section	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-304/316
3	弹簧 Spring	INCONELX-750	INCONELX-750	INCONELX-750
4	O型密封圈 O-ring	VITON	VITON	VITON
5	阀座支承圈 Seat ring	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-F304/316
6	密封圈 Seat insert	RPTFE/NYLON/VITON	PCTFE	RPTFE/VITON
7	球体 Ball	ASTM A105+ENP	ASTM A350-LF2/LF3+ENP	ASTM A182-F304/316+ENP
8	垫片 Gasket	304+Graphite	304+Graphite	304+Graphite
9	滑动轴承 Radial bearing	304+PTFE	304+PTFE	304+PTFE
10	衬板 Trunnion	ASTM A105+ENP	ASTM A350-LF2/LF3+ENP	ASTM A182-F304/316
11	衬板销 Pin	ASTM A276-316	ASTM A276-316	ASTM A276-316
12	静电弹簧 Spring	ASTM A276-316	ASTM A276-316	ASTM A276-316
13	上阀杆 Stem	ASTM A182-F6a	ASTM A182-F304/F316	ASTM A182-F304/316
14	定位销 Pin	ANSI 1045	ASTM A182 F6a	ASTM A182 F304
15	O型密封圈 O-ring	VITON	VITON	VITON
16	O型密封圈 O-ring	VITON	VITON	VITON
17	垫片 Gasket	304+Graphite	304+Graphite	304+Graphite
18	联接盘 Gland	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-F304/316
19	O型密封圈 O-ring	VITON	VITON	VITON
20	O型密封圈 O-ring	VITON	VITON	VITON
21	压盖 Gland	ASTM A105	ASTM A350-LF2/LF3	ASTM A182-F304/316
22	O型密封圈 O-ring	VITON	VITON	VITON
25	螺钉 Screw	ASTM A193-B7/B7M	ASTM A320 L7	ASTM A193-B8M/B8
26	螺钉 Screw	ASTM A193-B7/B7M	ASTM A320 L7	ASTM A193-B8M/B8
41	注脂阀 Sealant injection	碳钢 Carbon Steel	碳钢 Carbon Steel	不锈钢 Stainless Steel
	止回阀 Check valve	碳钢 Carbon Steel	碳钢 Carbon Steel	不锈钢 Stainless Steel
55	吊板 Stationary plate	碳钢 Carbon Steel	碳钢 Carbon Steel	碳钢 Carbon Steel
56	底座 Support	碳钢 Carbon Steel	碳钢 Carbon Steel	碳钢 Carbon Steel
58	排污阀 Drain valve	碳钢 Carbon Steel	碳钢 Carbon Steel	不锈钢 Stainless Steel

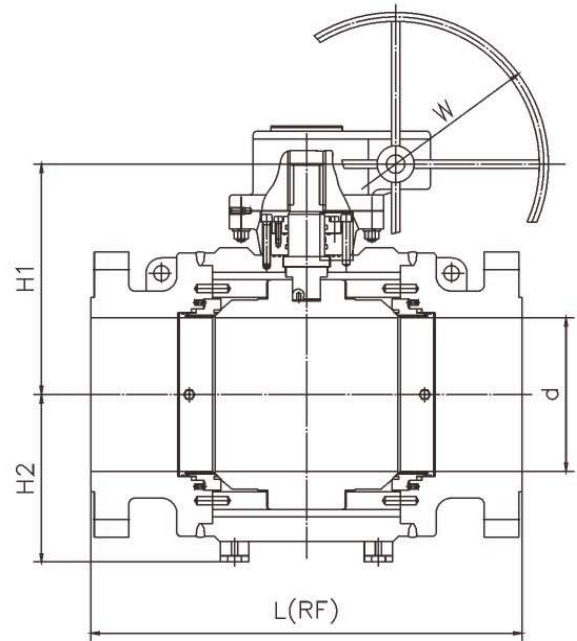
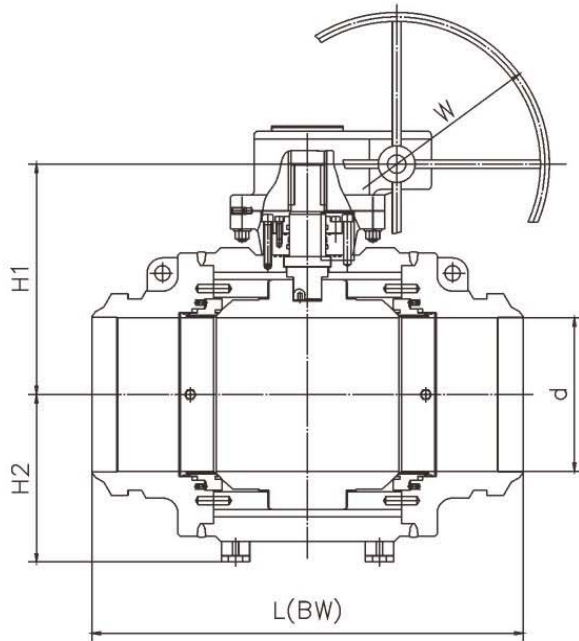
球阀系列/BALL VALVE SERIES

全焊接球阀 Fully Welded Ball Valve

全焊接球阀(三片式) Fully Welded Ball Valve(Three-piece)

DN150及以上 PN2.0 ~ 10.0MPa

(6"及以上 Class150 ~ Class600)



尺寸表 Dimension Chart

DN150 ~ DN800 PN2.0/5.0(6" ~ 32") Class150/300 (inch)

Class	NPS	d	L	H1	H2	W	重量 (kg)
150Lb 300Lb	6	6	18	11.93	7.28	18.1	185
	8	8	20.5	13.47	8.9	18.1	276
	10	10	22	14.48	10.2	27.8	385
	12	12	25	16.44	12.25	27.8	535
	14	13.25	30	17.9	13.7	27.8	735
	16	15.25	33	21.95	16.4	31.5	1585
	18	17.25	36	23.54	17.83	31.5	2340
	20	19.25	39	24.8	18.86	31.5	2520
	24	23.25	45	27.79	23.11	31.5	3985
	26	25	49	29.53	23.62	31.5	4800
	28	27	53	31.49	25.59	31.5	5760
	30	29	55	33.85	27.24	31.5	6715
	32	30.75	60	35.75	28.98	31.5	8120

(mm)

PN	DN	d	L	H1	H2	W	重量 (kg)
2.0MPa 5.0MPa	150	152	457	303	185	460	185
	200	203	521	342	226	460	276
	250	254	559	377	259	705	385
	300	305	635	418	311	705	535
	350	337	762	455	348	705	735
	400	387	838	558	417	800	1585
	450	438	914	598	453	800	2340
	500	489	991	630	479	800	2520
	600	591	1143	705	587	800	3985
	650	635	1245	750	600	800	4800
	700	686	1346	800	650	800	5760
	750	737	1397	860	692	800	6715
	800	781	1524	908	736	800	8120

全焊接球阀 Fully Welded Ball Valve

尺寸表 Dimension Chart

DN150 ~ DN800 PN2.0/5.0(6" ~ 32") Class150/300

(ich)

(mm)

Class	NPS	d	L	H ₁	H ₂	W	重量 (kg)
600Lb	6	6	22	12.17	9.65	18.1	230
	8	8	26	14.1	11.81	27.8	445
	10	10	31	16.1	13.38	27.8	658
	12	12	33	18.68	15.35	31.5	952
	14	13.25	35	19.75	16.85	31.5	1330
	16	15.25	39	20.96	18.70	31.5	2040
	18	17.25	43	25.04	21.45	31.5	2890
	20	19.25	47	26.75	22.44	31.5	3350
	22	21.25	51	28.56	24.72	31.5	4165
	24	23.25	55	30.12	27.56	31.5	5650

PN	DN	d	L	H ₁	H ₂	W	重量 (kg)
10.0MPa	150	152	558.8	309	245	460	230
	200	203	660.4	358	300	705	445
	250	254	787.4	409	340	705	658
	300	305	838.2	474.4	390	800	952
	350	337	889	502	428	800	1330
	400	387	990.6	532.3	475	800	2040
	450	438	1092.2	636	545	800	2890
	500	489	1193.8	674.8	570	800	3350
	550	540	1295.4	725	628	800	4165
	600	591	1397	765	700	800	5650

DN150 ~ DN600 PN15.0(6" ~ 24") Class900

(ich)

(mm)

Class	NPS	d	L	H ₁	H ₂	W	重量 (kg)
900Lb	6	6	24	12	11.81	27.8	330
	8	8	29	15.6	15.74	31.5	595
	10	10	33	16.93	16.93	31.5	935
	12	12	38	18.3	17.91	31.5	1485
	14	12.75	40.5	21.45	21.45	31.5	1955
	16	14.75	44.5	24.21	24.21	31.5	2975
	18	16.75	48	26.97	25.39	31.5	4010
	20	18.625	52	29.52	26.97	31.5	4710
	24	22.5	61	35.23	30.51	31.5	8285

PN	DN	d	L	H ₁	H ₂	W	重量 (kg)
15.0MPa	150	152	609.6	305	30	705	330
	200	203	736.6	395	400	800	595
	250	254	838.2	430	430	800	935
	300	305	965.2	465	455	800	1485
	350	324	1028.7	545	545	800	1955
	400	375	1130.3	615	615	800	2975
	450	425.5	1219.2	685	645	800	4010
	500	473	1320.8	750	685	800	4710
	600	571.5	1549.4	895	775	800	8285

DN150 ~ DN400 PN25.0(6" ~ 16") Class1500

(ich)

(mm)

Class	NPS	d	L	H ₁	H ₂	W	重量 (kg)
1500Lb	6	5.75	27.75	14.96	11.81	31.5	503
	8	7.625	32.75	19.29	15.75	31.5	795
	10	9.5	39	20.07	16.93	31.5	1615
	12	11.375	44.5	22.05	18.11	31.5	1945
	14	12.5	49.5	25	21.65	31.5	3350
	16	14.25	54.5	26.97	24.40	31.5	4615

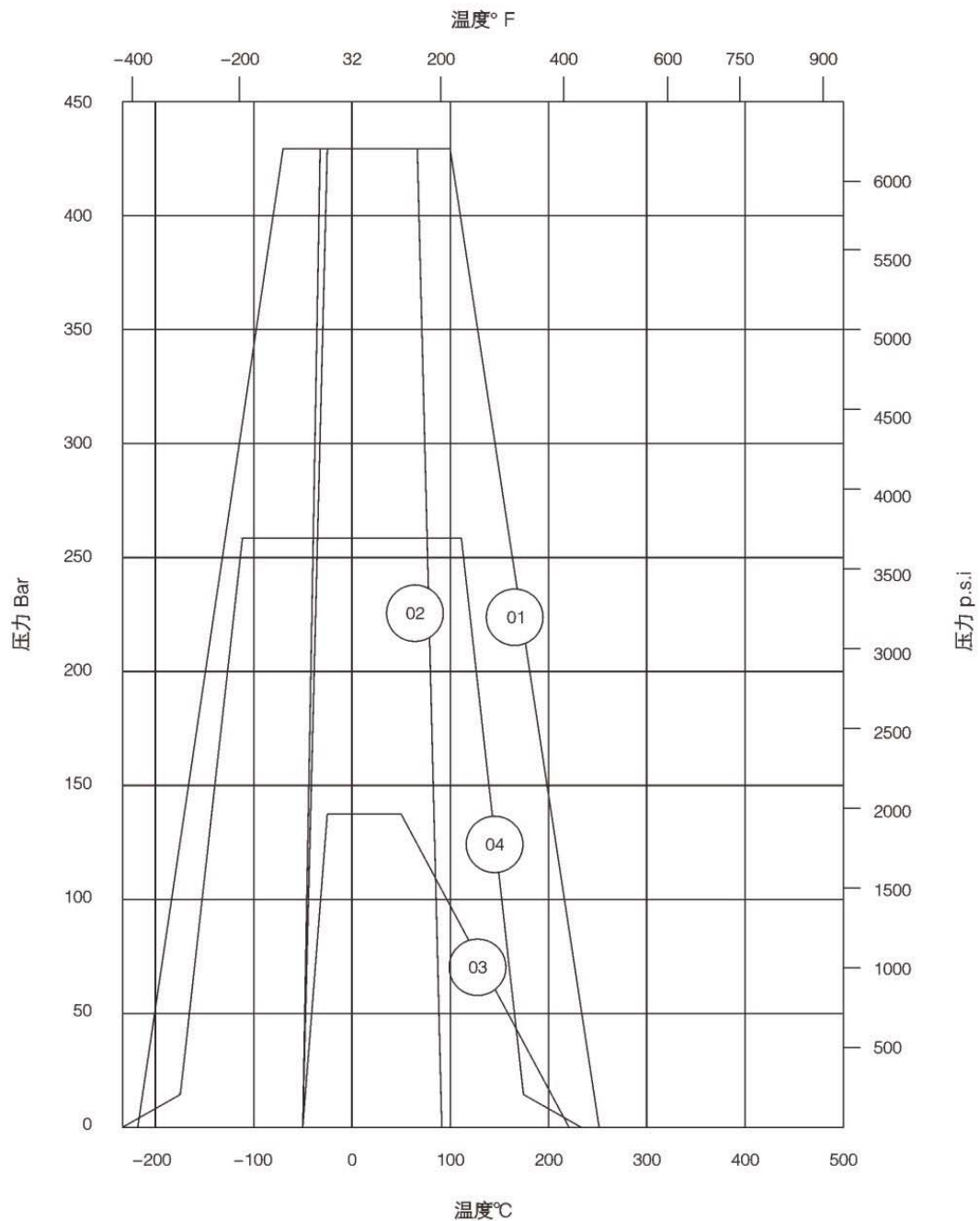
PN	DN	d	L	H ₁	H ₂	W	重量 (kg)
25.0MPa	150	146	704.9	380	300	800	503
	200	194	831.9	490	400	800	795
	250	241	990.6	510	430	800	1615
	300	289	1130.3	560	460	800	1945
	350	317.5	1257.3	635	550	800	3350
	400	362	1384.3	685	620	800	4615

球阀系列/BALL VALVE SERIES

阀座材料 Seat Material

阀座的压力-温度曲线图

Seat Material Pressure-temperature Charts



- 01 PEEK
- 02 DELRIN
- 03 PTFE+15% Fiberglass
- 04 KEL-F
- 05 DEVLON

DAGO

