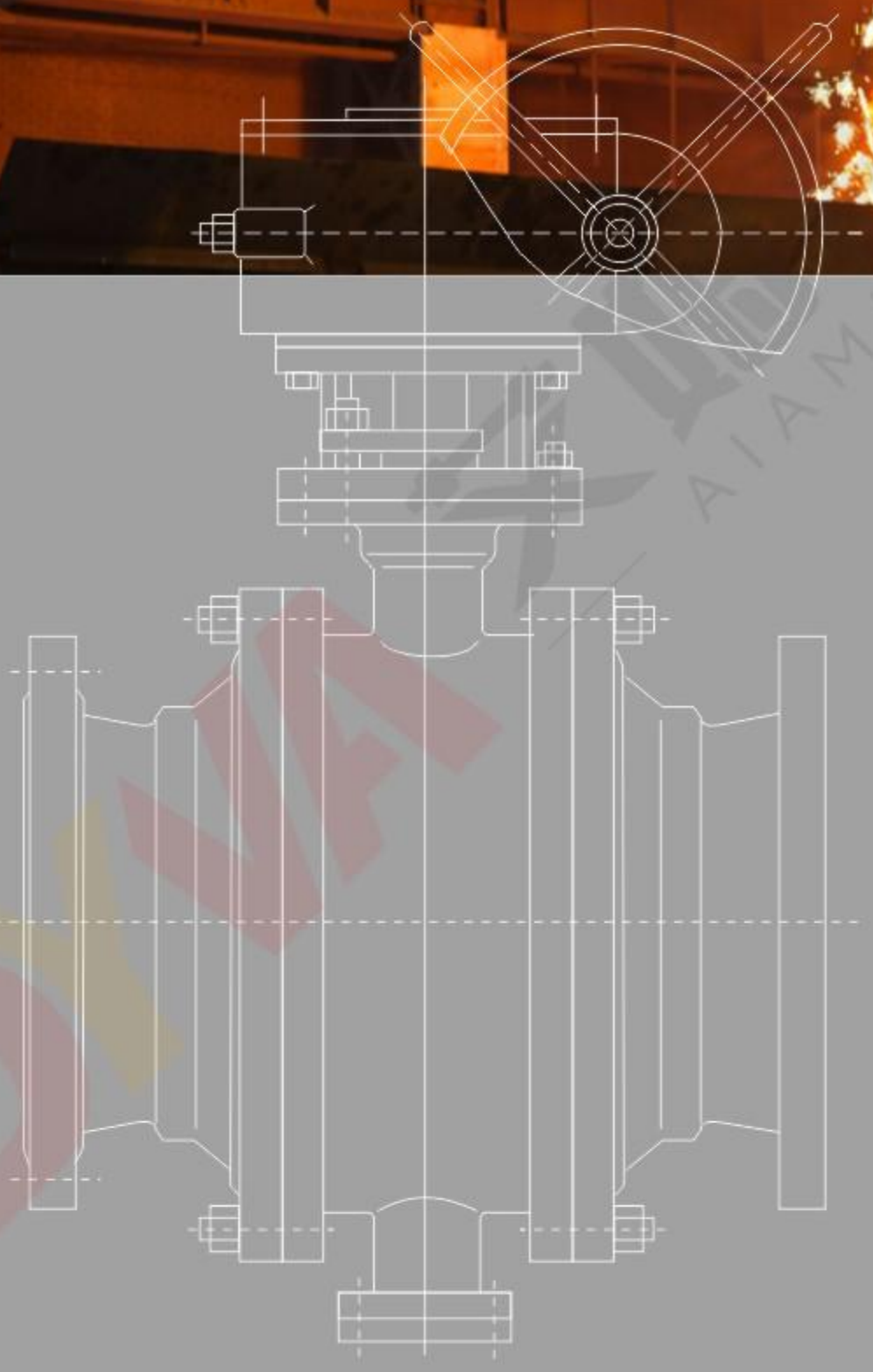


DYVA

艾姆森控制阀门

AIAMMS CONTROL VALVE

国阀品质

NATIONAL VALVE QUALITY

BALL VALVE SERIES

球阀系列

为各领域提供全套阀门解决方案！

聚焦客户关注的挑战和压力,提供有竞争力的工程产品和高品质的工程服务,持续为客户创造最大价值。

结构特点及用途
Structural characteristics and uses

1、操作省力：球体由上下轴承支撑，减少摩擦，消除了由于进口压力推动球体与密封座形成的巨大密封负荷而造成过大的扭矩。

1、 Operation: ball bearings supported by the up and down, to reduce friction, eliminate the pressure as imports to promote the formation of the sphere and the great seal sealed seat load caused by excessive torque.

2、密封性能可靠（见图1）：PTFE弹性材料密封圈嵌于不锈钢阀座内，金属阀座尾端没有弹簧，保证密封圈足够的预紧力，阀门在使用过程中密封面摩擦损时，在弹簧作用下阀门继续保证良好密封性能。

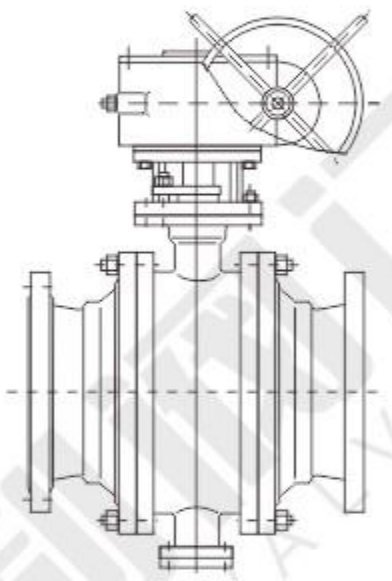
2、Sealing performance and reliable (see Figure 1): PTFE elastic material embedded in stainless steel valve seat ring, the metal spring seat no end, to ensure adequate preload ring, valve sealing surface in the course of friction loss When the valve under the action of the spring to ensure good sealing performance.

3、防火结构（见图2）：为防止由于骤热或火灾的出现，使聚四氟乙烯密封圈烧毁，发生较大泄漏，而助长火势，在球体与阀座间设置防火密封环，在密封圈烧毁时，在弹簧力作用下，将阀座密封环迅速推向球体上，形成金属与金属密封，起到一定程度的密封效果。耐火试验符合API 6FA和API 607标准要求。

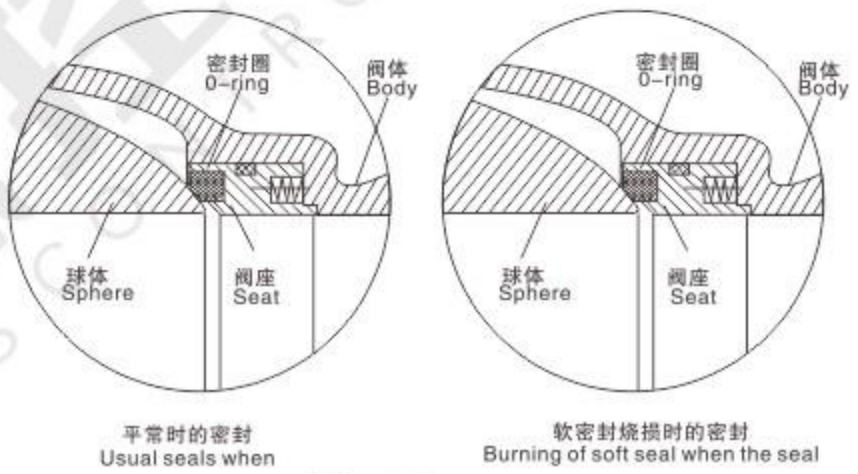
3、Fire structure (see Figure 2): In order to prevent the sudden appearance of heat or fire to burn PTFE seals, large leak occurred, and contribute to the fire, the fire ball and set the seal ring between the valve seat, in the ring when burned, under the action of the spring force will quickly push the ball valve seat seal ring, the formation of metal to metal seal, play a certain degree of sealing effect. The fireproof experiment conforms to API 6FA and the API 607 standard requests.

4、自动泄压功能（见图3）：当阀门中腔停滞的介质压力异常升高超过弹簧的预紧力时，阀座后退脱离球体，达到自动泄压的效果，卸压后阀座自动复位。

4、Automatic pressure relief function (see Figure 3): When the valve is in a stagnant medium pressure in the cavity increased over the spring preload, the seat back from the ball, to the effect of automatic pressure relief, pressure relief valve seat after automatically reset.



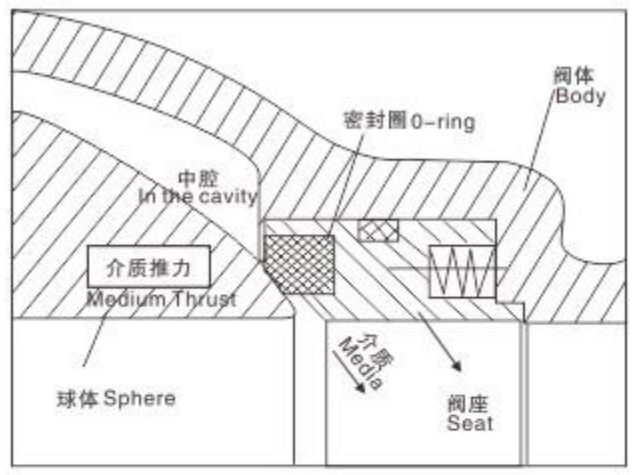
图一Figure 1



平常时的密封
Usual seals when

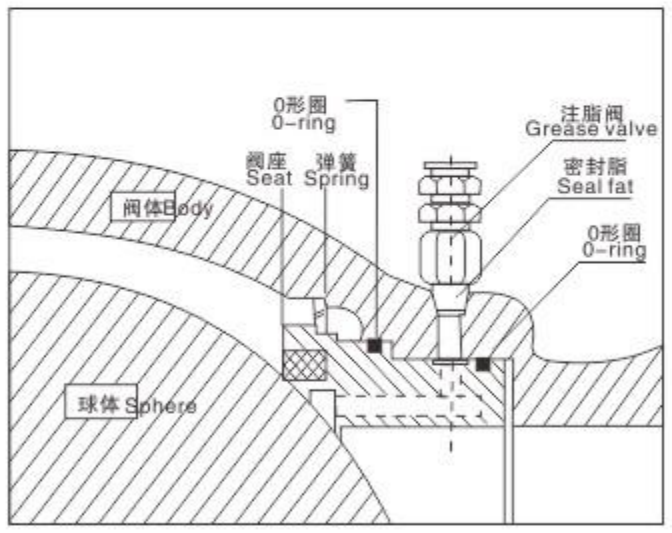
软密封烧损时的密封
Burning of soft seal when the seal

图二Figure 2



自动卸压功能
Automatic pressure relief feature

图三Figure 3



图四Figure 4

5、排泄管路：阀体上下均设置排泄孔，可检查阀座是否发生泄漏，在工作中，阀门处于全开或全关时，卸掉中腔压力，可直接更换填料；可以排放中腔滞留物，减少介质对阀门的污染。

辅助密封设置系统（客户需要请在订购时说明）

5、Discharge tube: the upper and lower body were set to vent, to check whether the leak valve seat, at work, the valve is fully open or fully closed, the removal of the pressure in the cavity can directly replace the packing; to emissions cavity left in reducing pollution of medium on the valve.

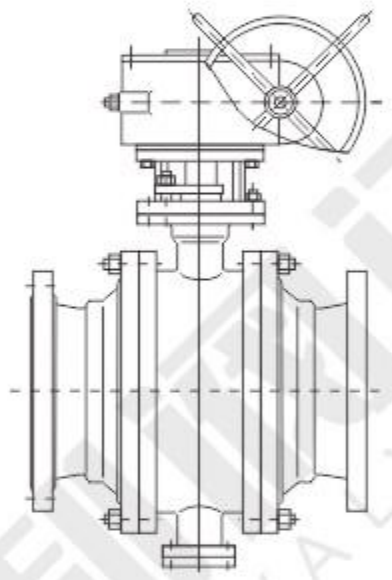
Auxiliary sealing set the system (customer needs when ordering please specify)

6、见图4：本阀门设计有辅助的阀座紧急密封系统，一旦密封受损或出现紧急情况而不能密封时，通过辅助密封系统向密封面注射相应的密封剂即可修复密封面，达到紧急密封。当输送的介质不洁或含有少量颗粒时，为保护密封面，确保达到可靠的密封，还可给这一装置注射相应的清洗剂或润滑剂对密封面进行清洗。

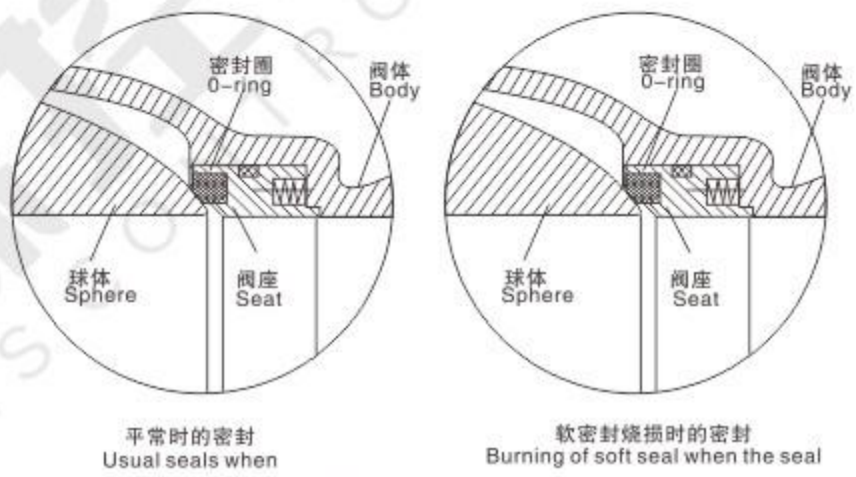
6、 Figure 4: The auxiliary valve seat designed for emergency sealing system, once the seal damage or emergency situations cannot be sealed, through the auxiliary sealing system corresponding to the sealing surface sealant injection sealing surface can be repaired, to an emergency seal. When the transport medium or containing a small amount of contaminated particles, in order to protect the sealing surface and ensure that a reliable seal, the device can also be injected to the appropriate cleaning agents or lubricants on the sealing surface cleaning.

7、广泛适用于食品、医药、石油、化工、天然气、钢铁、环保、造纸等输送管路介质的切断或流通。还可给这一装置注射相应的清洗剂或润滑剂对密封面进行清洗。

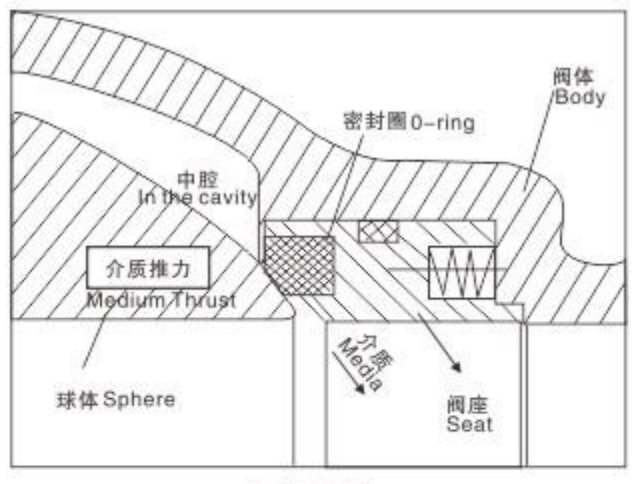
7、Widely used in food, medicine, petroleum, chemical, natural gas, steel, environmental protection, paper and other media to cut off pipeline transportation or circulation. The device can also be injected to the appropriate cleaning agents or lubricants on the sealing surface cleaning.



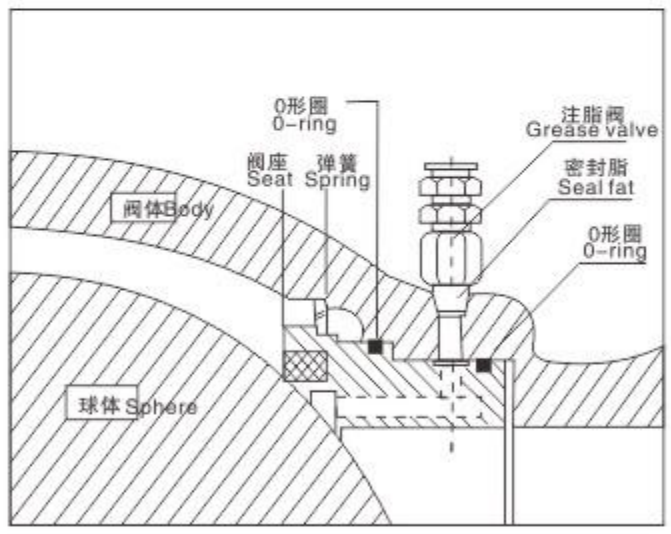
图一Figure 1



图二Figure 2



图三Figure 3



图四Figure 4

Q47F型固定式球阀
Q47F Fixed ball valve

执行标准Implementation of standards

1、设计和制造Design and manufacture：GB/T 12237–1989; API 608

2、检验和试验Inspection and test： GB/T 13927–1992; API 598

3、法兰连接Flange connection： JB/T 79.1～2–1994; ASME/ANSI B 16.5

4、结构长度Structure length： GB/T 12221–1989; ASME/ANSI B 16.10

性能规范Performance Specifications

试验压力 Test pressure　　单位Unit：MPa

公称压力PN	常温最大工作压力 Max temperature Working pressure	壳体试验压力 Case Test pressure	气密封试验压力 Gas Seals test pressure	高压密封试验压力 High-pressure sealing Test pressure
1.6	1.6	2.4	0.6	1.76
2.5	2.5	3.8	0.6	2.75
4.0	4.0	6.0	0.6	4.4
6.4	6.4	9.6	0.6	7.1
Class 150	2.0	3.0	0.6	2.2
Class 300	5.0	7.5	0.6	5.5

使用范围Terms of Use

壳体材料 hell material	阀座材料 Seat material	活用温度 Applicable temperature	适用介质 Applicable media
碳钢C型 Carbon Steel C	聚四氟乙烯 PTFE	≤150℃	水、蒸汽、油品等 Water, steam, oil, etc.
	对位聚苯 Counterpoint polystyrene	≤250℃	
铬镍钛钢P型 Chrome P-type nickel-titanium steel	聚四氟乙烯 PTFE	≤150℃	硝酸类Nitric acid
	对位聚苯 Counterpoint polystyrene	≤200℃	
铬镍钼钛钢R型 Chrome-nickel steel R-Mo Ti	聚四氟乙烯 PTFE	≤150℃	醋酸类Acetic acid
	对位聚苯 Counterpoint polystyrene	≤200℃	

主要零件材料Main components material

阀体、阀盖 Body, bonnet	GB	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
	ASTM	WCB	CF8	CF8M
球体Ball	GB	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
	ASTM	420	304	316
阀杆Stem	GB	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
	ASTM	420	304	316
阀座Seat	GB	2Cr13/PTFE	1Cr18Ni9Ti/PTFE	1Cr18Ni12Mo2Ti/PTFE
	ASTM	420/PTFE	304/PTFE	316/PTFE
填料Packing	GB	PTFE	PTFE	PTFE
	ASTM	PTFE	PTFE	PTFE
螺栓Bolt	GB	35	0Cr18Ni9	0Cr18N89
	ASTM	A193 B7	A320–B8	A320–B8
螺母Nut	GB	45	0Cr18Ni9	0Cr18Ni9
	ASTM	A194 2H	A190–8	A194–8

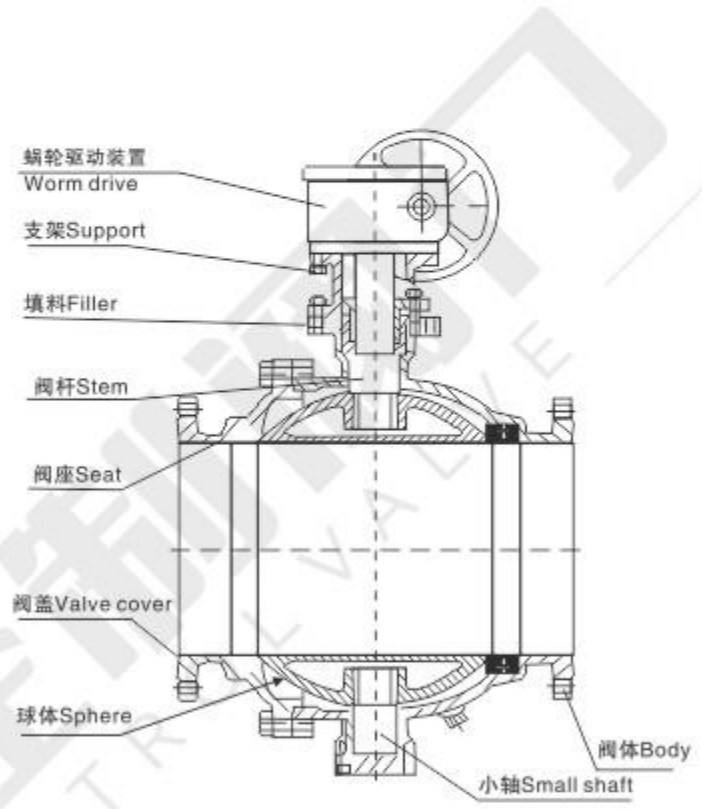
Q47$^{H}_{Y}$型固定金属密封球阀

Q47$^{H}_{Y}$Fixed metal sealing ball valve

结构特点及用途Structural characteristics and uses

1、操作省力：介质压力在球体上产行作用力全部传递给上下轴承，球体不会相对位置移动，两端阀座密封受力均匀，操作力矩低。
2、采用弹簧预加载荷的可动金属阀座结构，能适用高温、高压以及各种介质管路。
3、根据客户要求，可以设计能适用于含颗粒、料浆等介质。
4、广泛适用于食品、医药、石油、化工、天然气、钢铁、环保、造纸等介质管路。

1、The operation reduces effort: The medium pressure will produce the good action on the spheroid to transmit completely gives the lower bearing, the spheroid relative position migration, the both sides valve seat seal stress will not be even, the operation moment of force will be low.
2、Uses the spring pre-Canada load the movable metal valve seat structure, can be suitable the high temperature, the high pressure as well as each medium pipeline.
3、According to the customer request, may design can be suitable in contains medium and so on pellet, ground paste.
4、Widely is suitable for medium pipelines and so on food, medicine, petroleum, chemical industry, natural gas, steel and iron, environmental protection, Papermaking.



执行标准Implementation of standards

1、设计和制造Design and manufacture：GB/T 12237-1989; API 608
2、检验和试验Inspection and test： GB/T 13927-1992; API 598
3、法兰连接Flange connection： JB/T 79.1～4-1994; ASME/ANSI B 16.5
4、结构长度Structure length： GB/T 12221-1989; ASME/ANSI B 16.10

性能规范Performance Specifications

试验压力Test pressure　　单位Unit：MPa

公称压力 PN	常温最大工作压力 Maximum temperature Working pressure	壳体试验压力 CaseTest pressure	气密封试验压力 Gas Seals Test pressure	高压密封试验压力 High-pressure sealing Test pressure
1.6	1.6	2.4	0.6	1.76
2.5	2.5	3.8	0.6	2.75
4.0	4.0	6.0	0.6	4.4
6.4	6.4	9.6	0.6	7.1
10.0	10.0	15.0	0.6	11.0
Class 150	2.0	3.0	0.6	2.2
Class 300	5.0	7.5	0.6	5.5
Class 600	10.0	15.0	0.6	11.0

使用范围Terms of Use

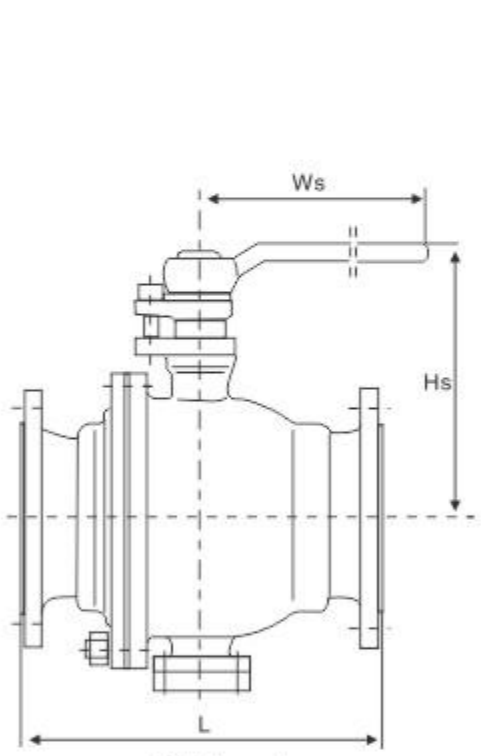
壳体材料 Shell material	工作温度 Work temperature（℃）	适用介质 Applicable media
碳钢C型 Carbon steel C	≤425℃	水、蒸汽、油品等 Water, steam, oil, etc.
铬镍钛钢P型 Chrome P-type nickel-titanium steel	≤200℃	硝酸类 Nitric acid
铬镍钼钛钢R型 Chrome-nickel steel R-Mo Ti	≤200℃	醋酸类 Acetic acid
铬钼钒钢I型 Chromium molybdenum vanadium steel I	≤550℃	蒸汽、冶炼、能源等 Steam, metallurgical, energy, etc.

主要零件材料Main components material

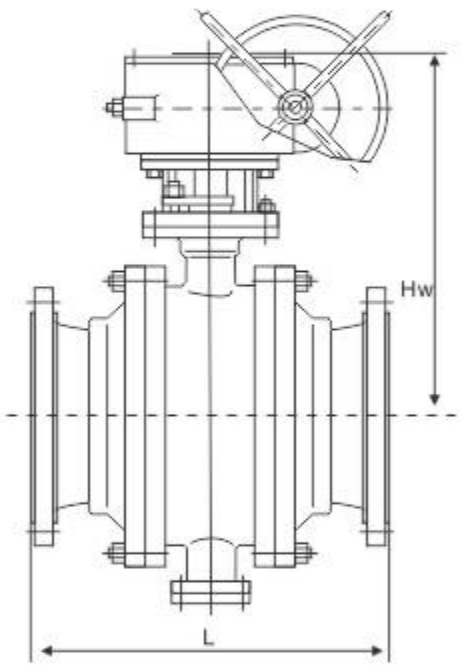
阀体、阀盖 Body, bonnet	GB	WCB	ZG1Cr18Ni9Ti	ZG0Cr18Ni12Mo2Ti	ZG15Cr1Mo1V
	ASTM	A216 WCB	CF8	CF8M	WC9
球体 Ball	GB	2Cr13/表面特殊处理 Special surface treatment	1Cr18Ni9Ti/表面特殊处理 Special surface treatment	0Cr18Ni12Mo2Ti/表面特殊处理 Special surface treatment	25Cr2Mo1V/表面特殊处理 Special surface treatment
	ASTM	420+HF	304+HF	316+HF	F22a+HF
阀杆、固定轴 Stem, fixed axis	GB	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti	25Cr2Mo1V
	ASTM	420	304	316	F22a
阀座 Seat	GB	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti	25Cr2Mo1V
	ASTM	420	304	316	F22a
填料 Packing	GB	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite
	ASTM	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite
螺栓 Bolt	GB	35	0Cr18Ni9	0Cr18Ni9	15Cr1Mo1V
	ASTM	A193 B7	A320-B8	A320-B8	A193 B16
螺母 Nut	GB	45	0Cr18Ni9	0Cr18Ni9	20CrMo
	ASTM	A194 2H	A194-8	A194-8	A194-4

Q47H/Y型固定金属密封球阀

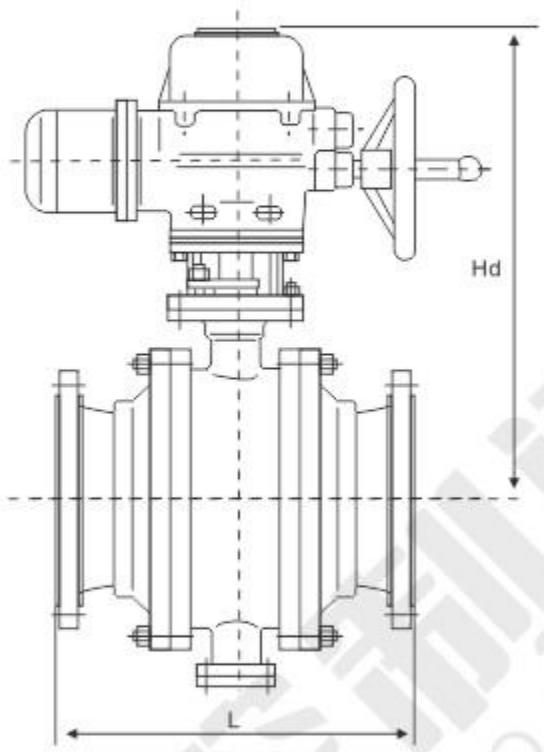
Q47H/Y Fixed metal sealing ball valve



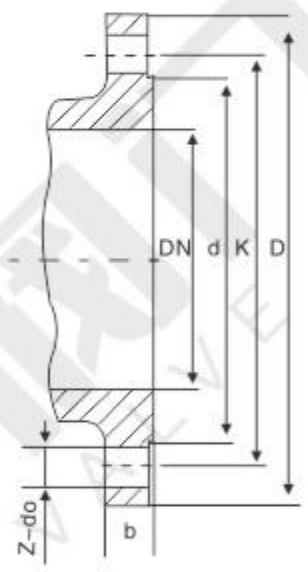
手动Manual



蜗轮传动Worm drive



电动Electric

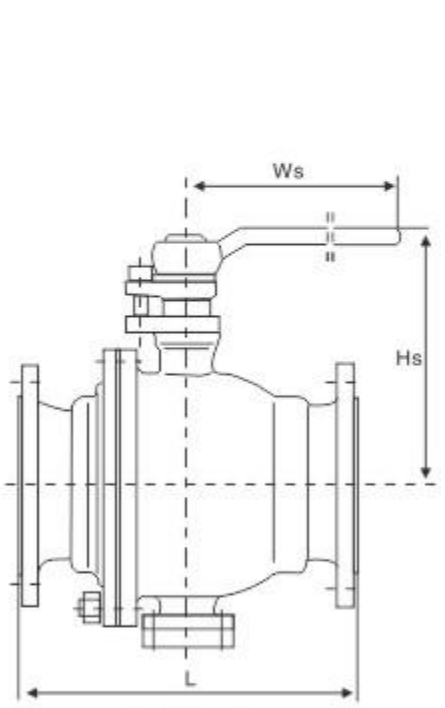


主要连接尺寸Main connection dimensions

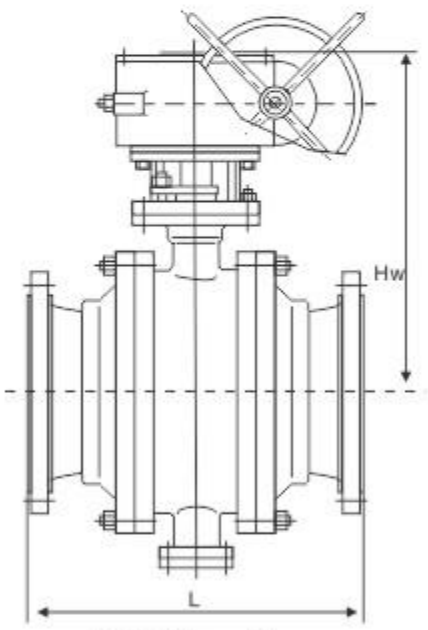
公称压力 PN	公称通径 DN	尺寸Size（mm）										
		L	D	K	d	Y	b	z–d0	Ws	Hs	Hw	Hd
1.6MPa	150	394	285	240	210	–	24	8–23	1000	305	470	540
	200	457	340	295	265	–	26	12–23	–	–	520	580
	250	533	405	355	320	–	30	12–25	–	–	610	640
	300	610	460	410	375	–	30	12–25	–	–	650	690
	350	686	520	470	435	–	34	16–25	–	–	740	785
	400	762	580	525	485	–	36	16–30	–	–	795	830
	450	864	640	585	545	–	40	20–30	–	.–	860	910
	500	914	715	650	608	–	44	20–34	–	–	945	990
	600	1067	840	770	718	–	48	20–41	–	–	1040	1090
	700	1245	910	840	788	–	50	24–41	–	–	1150	1210
	800	1372	1025	950	898	–	52	24–41	–	–	1280	1340
	900	1524	1125	1050	998	–	54	28–41	–	–	1430	1510
	1000	1753	1255	1170	1110	–	56	28–48	–	–	1580	1640
	1200	2032	1485	1390	1325	–	58	32–54	–	–	1810	1910
	1400	2300	1685	1590	1525	–	60	36–54	–	–	2010	2115
2.5MPa	150	403	300	250	218	–	30	8–25	1000	305	470	555
	200	502	360	310	278	–	34	12–25	–	–	540	595
	250	568	425	370	332	–	36	12–30	–	–	630	655
	300	648	485	430	390	–	40	16–30	–	–	650	705
	350	762	555	490	448	–	44	16–34	–	–	740	795
	400	838	620	550	505	–	48	16–34	–	–	795	830
	450	914	670	600	555	–	50	20–34	–	–	860	910
	500	991	730	660	610	–	52	20–41	–	–	945	990
	600	1143	845	770	718	–	56	20–41	–	–	1040	1090
	700	1346	960	875	815	–	60	24–48	–	–	1150	1210
	800	1524	1085	990	930	–	64	24–48	–	–	1305	1340
	900	1727	1185	1090	1025	–	66	28–54	–	–	1505	1600
	1000	1880	1320	1210	1140	–	68	28–58	–	–	1615	1705
	1200	2184	1520	1420	1350	–	72	32–58	–	–	1925	2035
	1400	2300	1755	1640	1560	–	78	36–65	–	–	2110	2185

Q47$^{H}_{Y}$型固定金属密封球阀

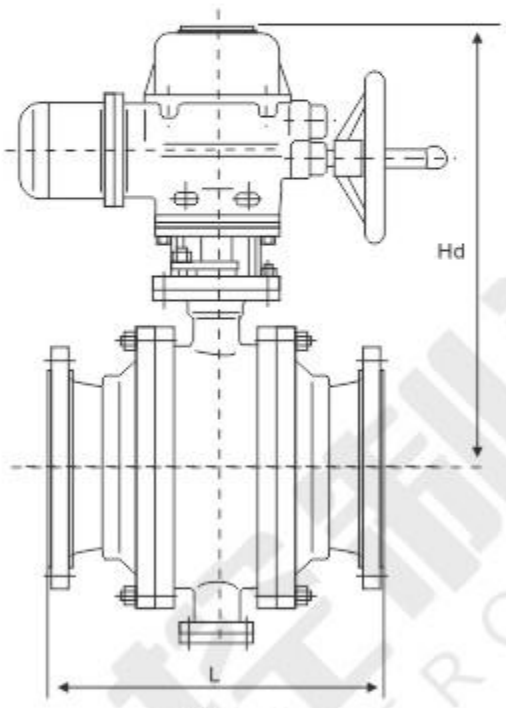
Q47$^{H}_{Y}$Fixed metal sealing ball valve



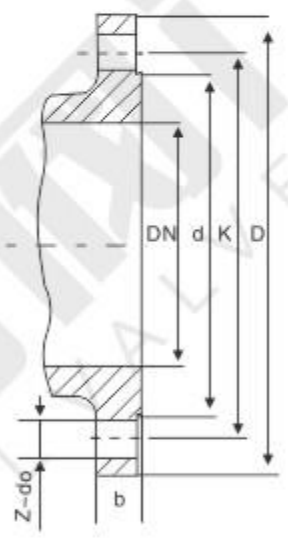
手动Manual



蜗轮传动Worm drive



电动Electric



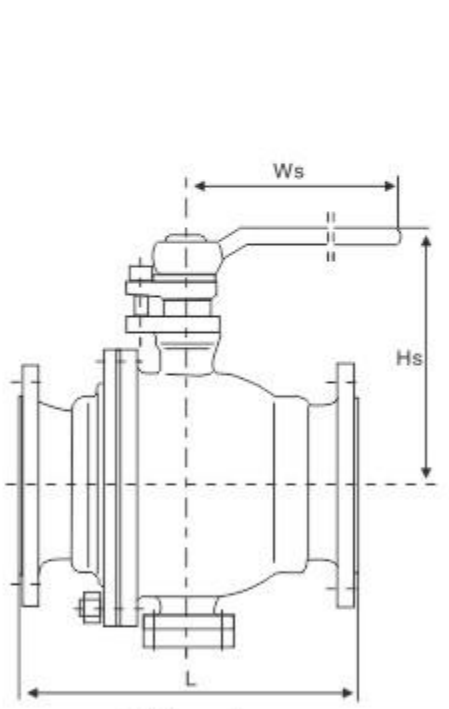
PN4.0~10.0Mpa

主要连接尺寸Main connection dimensions

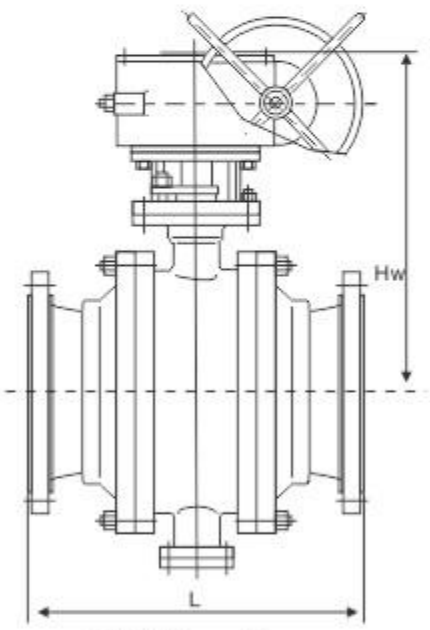
公称压力 PN(MPa)	公称通径 DN(mm)	尺寸Size (mm)										
		L	D	K	d	Y	b	z–d0	Ws	Hs	Hw	Hd
4.0MPa	150	403	300	250	218	204	30	8–25	1200	360	485	590
	200	502	375	320	282	260	38	12–30	–	–	580	640
	250	568	450	385	345	313	42	12–34	–	–	665	680
	300	648	515	450	408	364	46	16–34	–	–	760	810
	350	762	580	510	465	422	52	16–34	–	–	820	890
	400	838	660	585	535	474	58	16–41	–	–	860	940
	450	914	685	610	560	524	60	20–41	–	–	930	1010
	500	991	755	670	612	576	62	20–48	–	–	980	1130
	600	1143	890	795	730	678	62	20–54	–	–	1040	1090
	700	1346	995	900	835	768	68	24–54	–	–	1150	1210
	800	1524	1140	1030	960	876	76	24–58	–	–	1305	1340
	900	1727	1270	1168	1022	_	105	32–54	–	–	1505	1600
	1000	1880	1238	1156	1086	_	114	32–44	–	–	1615	1705
	1200	2184	1467	1372	1302	_	133	32–51	–	–	1925	2035
	1400		1708	1600	1518	_	154	28–60	–	–	2110	2185
6.4MPa	150	495	345	280	240	204	38	8–34	1200	360	485	590
	200	597	405	345	300	260	44	12–34	–	–	580	650
	250	673	470	400	352	313	48	12–41	–	–	665	720
	300	762	530	460	412	364	54	16–41	–	–	760	840
	350	826	600	525	475	422	60	16–41	–	–	820	930
	400	902	670	585	525	474	66	16–48	–	–	870	990
	500	1054	800	705	640	576	70	20–54	–	–	995	1150
	600	1232	930	820	750	678	76	20–58	–	–	1100	1180
	700	1397	1035	940	800	–	95	28–51	–	–	1180	1230
	800	1651	1149	1054	914	–	108	28–54	–	–	1345	1385
	900	1880	1270	1168	1022	–	114	32–54	–	–	1550	1655
	1000	1981	1270	1175	1092	–	133	32–51	–	–	1675	1745
	1200	2311	1511	1403	1308	–	152	28–60	–	–	1945	2075

Q47$^{H}_{Y}$型固定金属密封球阀

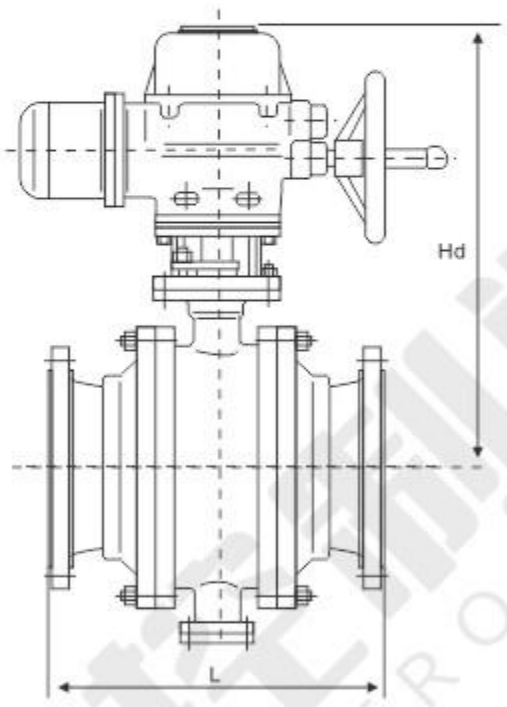
Q47$^{H}_{Y}$Fixed metal sealing ball valve



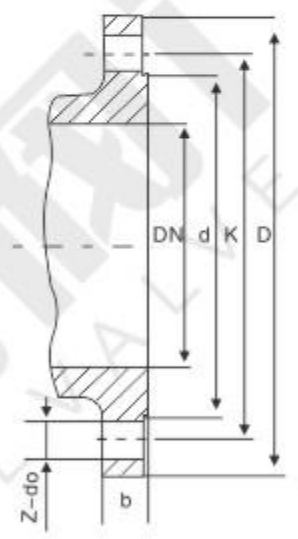
手动Manual



蜗轮传动Worm drive



电动Electric



主要连接尺寸Main connection dimensions

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸Size (mm)										
		L	D	K	d	Y	b	z-d0	Ws	Hs	Hw	Hd
Class 150	2"	178	152	120.5	92	–	16	4-19	260	155	–	–
	2 1/2"	190	178	139.5	105	–	18	4-19	350	185	–	–
	3"	203	190	152.5	127	–	19	4-19	500	205	–	–
	4"	229	229	190.5	157	–	24	8-19	650	255	390	500
	5"	356	254	216	186	–	24	8-22	800	285	410	520
	6"	394	279	241.5	216	–	26	8-22	1000	305	470	540
	8"	457	343	298.5	270	–	29	8-22	–	–	520	580
	10"	533	406	362	324	–	31	12-25	–	–	610	640
	12"	610	483	432	381	–	32	12-25	–	–	650	690
	14"	686	533	476	413	–	35	12-29	–	–	740	785
	16"	762	597	540	470	–	37	16-29	–	–	795	830
	18"	864	635	578	533	–	40	16-32	–	–	860	910
	20"	914	699	635	584	–	43	20-32	–	–	945	990
	24"	1067	813	749.5	692	–	48	20-35	–	–	1040	1090
	28"	1245	927	864	800	–	71	28-35	–	–	1150	1210
	32"	1372	1060	978	914	–	81	28-41	–	–	1280	1340
Class 300	2"	216	165	127	92	–	23	8-19	260	155	–	–
	2 1/2"	241	190	149	105	–	26	8-22	350	185	–	–
	3"	283	210	168.5	127	–	29	8-22	500	205	–	–
	4"	305	254	200	157	–	32	8-22	800	270	410	530
	5"	381	279	235	186	–	35	8-22	1000	305	470	560
	6"	403	318	270	216	–	37	12-22	1200	340	485	590
	8"	502	381	330	270	–	42	12-25	–	–	5809	640
	10"	568	445	387.5	324	–	48	16-29	–	–	665	680
	12"	648	521	451	381	–	51	16-32	–	–	760	810
	14"	762	584	514.5	413	–	54	20-32	–	–	820	890
	16"	838	648	571.5	470	–	58	20-35	–	–	860	940
	18"	914	711	628.5	533	–	61	24-35	–	–	930	1010
	20"	991	775	686	584	–	64	24-35	–	–	980	1130
Class 600	2"	292	165	127	108	82.550	26	8-19	350	175	–	–
	2 1/2"	330	190	149	127	101.600	29	8-22	500	200	–	–
	3"	356	210	168	146	123.825	32	8-22	650	235	–	–
	4"	432	273	216	175	149.225	38	8-25	1000	275	395	550
	5"	508	330	266.5	210	180.975	45	8-29	1200	325	430	580
	6"	559	356	292	241	211.138	48	12-29	–	–	495	620
	8"	660	419	349	302	269.876	56	12-32	–	–	595	680
	10"	787	508	432	356	323.851	64	16-35	–	–	680	740
	12"	838	559	489	413	381.001	67	20-35	–	–	790	850

锻钢球阀
Forged Steel Ball Valve

结构特点及用途

1、抗硫化应力裂化：阀门接触介质的材料都是按美国腐蚀工程师协会NACE0 1-75的标准进行选择，且按标准进行表面镀镍，能满足硫化环境工况的要求。
2、用聚合物或金属作密封材料，在高温、高压工况具有优良的密封性能。
3、设置填料箱，防止阀门内腔压力异常升高而使阀杆飞出，增置倒密封结构，能确保填料可靠密封。
4、广泛适用于化工、炼油、油气、天然气、钢铁等介质管路。

执行标准Implementation of standards

1、设计和制造Design and manufacture:
GB/T 12237-1989; API 608
2、检验和试验Inspection and test:
GB/T 13927-1992; API 598
3、法兰连接Flange connection:
JB/T 79.1～4-1994; ASME/ANSI B 16.5
4、结构长度Structure length:
GB/T 12221-1989; GB/T 15188.1-1994;
ASME/ANSIB 16.10

Unique feature and use

1、Anti-curing stress cracking: The valve contact medium's material is corrodes Engineer according to the US the association NACE0 1-75 standards to carry on the choice, and carries on the superficial nickel plating according to the standard, can satisfy the curing environment operating mode the request.
2、Make the packing material with the polymer or the metal, in the high temperature, the high-pressured operating mode has the fine sealing property.
3、The establishment stuffing box, prevents the valve cavity pressure anolmaly to elevate causes the valve lever to depart, increasess ets seals the structure but actually, can guarantee that the padding seals reliably.
4、Widely is suitable for medium pipelines and so on chemical industry, refinery, oil gas, natural gas, steel and iron.

性能规范Performance Specifications

试验压力Test pressure　　单位Unit：MPa

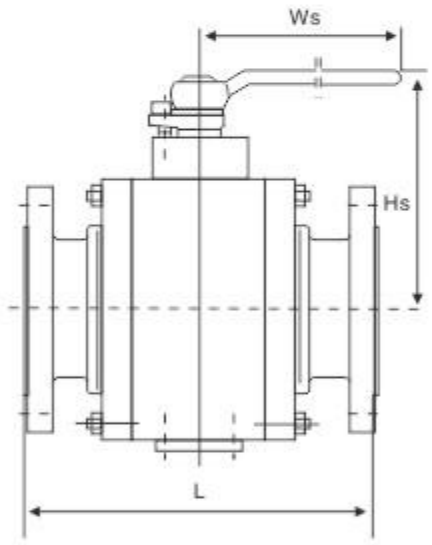
公称压力 PN	常温最大工作压力 Max temperature Working pressure	壳体试验压力 Case Test pressure	气密封试验压力 Gas Seals test pressure	高压密封试验压力 High-pressure sealing test pressure
1.6	1.6	2.4	0.6	1.76
2.5	2.5	3.8	0.6	2.75
4.0	4.0	6.0	0.6	4.4
6.4	6.4	9.6	0.6	7.1
10.0	10.0	15.0	0.6	11.0
16.0	16.0	24.0	0.6	17.6
20.0	20.0	30.0	0.6	22.0
25.0	25.0	37.5	0.6	27.5
Class 150	2.0	3.0	0.6	2.2
Class 300	5.0	7.5	0.6	5.5
Class 600	10.0	15.0	0.6	11.0
Class900	15.0	22.5	0.6	16.5
Class 1500	25.0	37.5	0.6	27.5

使用范围Terms of use

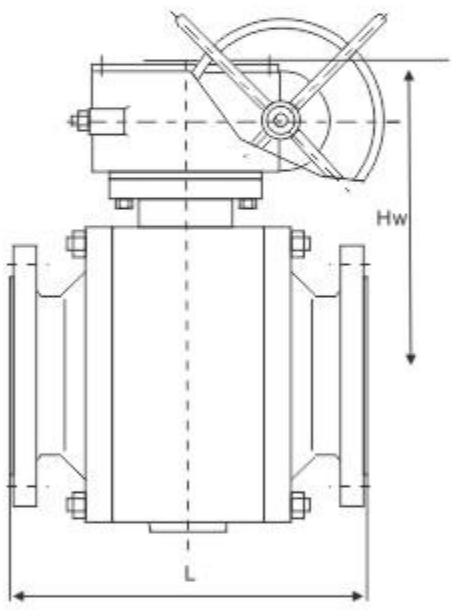
壳体材料 Shell material	阀座材料 Seat Material	适用温度 Applicable medium	适用介质 Applicable temperature
碳钢C型 Carbon Steel C	PTFE PTFE	≤150℃	水、蒸汽、油品等 Water, steam, oil, etc.
	不锈钢 Stainless steel	≤425℃	
铬镍钛钢P型 Chrome P-type nickel-titanium steel	PTFE PTFE	≤150℃	硝酸类 Nitric acid
	不锈钢 Stainless steel	≤200℃	
铬镍钼钛钢R型 Chrome-nickel steel R-Mo Ti	PTFE PTFE	≤150℃	醋酸类 Acetic acid
	不锈钢 Stainless steel	≤200℃	
铬钼钒钢I型 Cr-Mo steel I-V	硬质合金 Hard alloy	≤550℃	蒸汽、冶炼、能源等 Steam, metallurgical, energy, etc.

主要零件材料Main components material

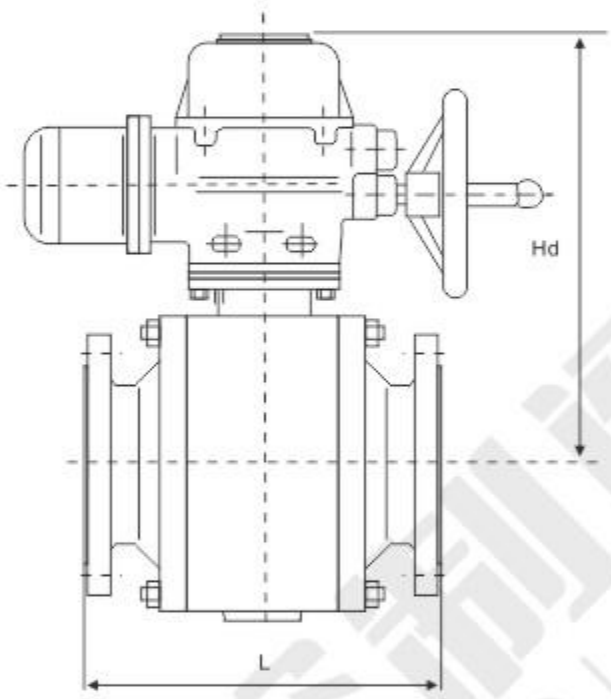
阀体、阀盖、填料箱 Body, bonnet Packing Box	GB	25		1Cr18Ni9Ti		0Cr18Ni12Mo2Ti		15Cr1Mo1V
	ASTM	1025		304		316		F22a
球体Ball	GB	2Cr13/表面特殊处理 Special surface treatment		1Cr18Ni9Ti/表面特殊处理 Special surface treatment		0Cr18Ni12Mo2Ti/表面特殊处理 Special surface treatment		25Cr2Mo1V/表面特殊处理 Special surface treatment
	ASTM	420		304+HF		316+HF		F22a+HF
阀杆、固定轴 Stem, fixed axis	GB	2Cr13		1Cr18Ni9Ti		0Cr18Ni12Mo2Ti		25Cr2Mo1V
	ASTM	420		304		316		F22a
阀座Seat	GB	PTFE	2Cr13	PTFE	1Cr18Ni9Ti	PTFE	0Cr18Ni12Mo2Ti	25Cr2Mo1V
	ASTM	PTFE	420	PTFE	304	PTFE	316	F22a
填料Packing	GB	PTFE	柔性石墨 Flexible Graphite	PTFE	柔性石墨 Flexible Graphite	PTFE	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite
	ASTM	PTFE	柔性石墨 Flexible Graphite	PTFE	柔性石墨 Flexible Graphite	PTFE	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite
螺栓Bolt	GB	35		0Cr18Ni9		0Cr18Ni9		15Cr1Mo1V
	ASTM	A193 B7		A320-B8		A320-B8		A193 B16
螺母Nut	GB	45		1Cr13		1Cr13		20CrMo
	ASTM	A194 2H		A194-8		A194-8		A194-4



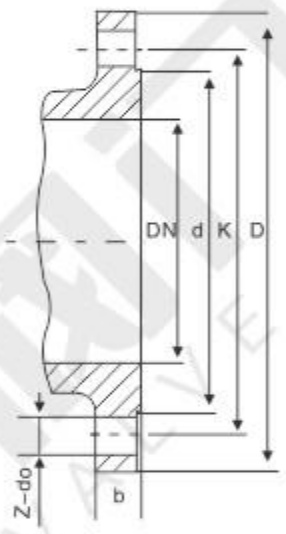
手动Manual



蜗轮传动Worm drive



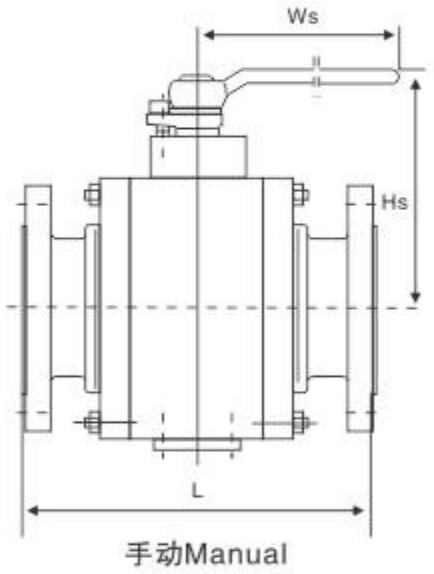
电动Electric



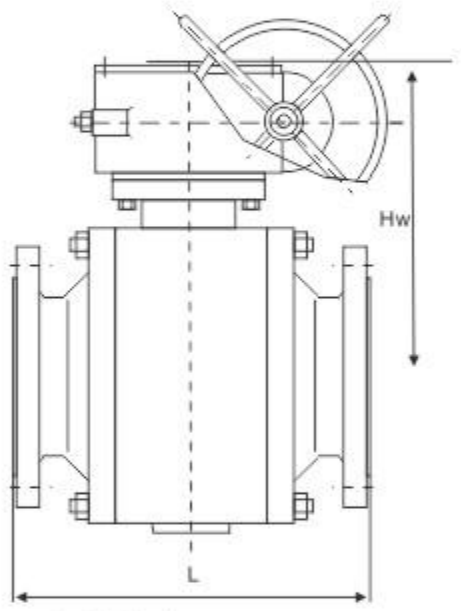
PN4.0~10.0Mpa

主要连接尺寸Main connection dimensions

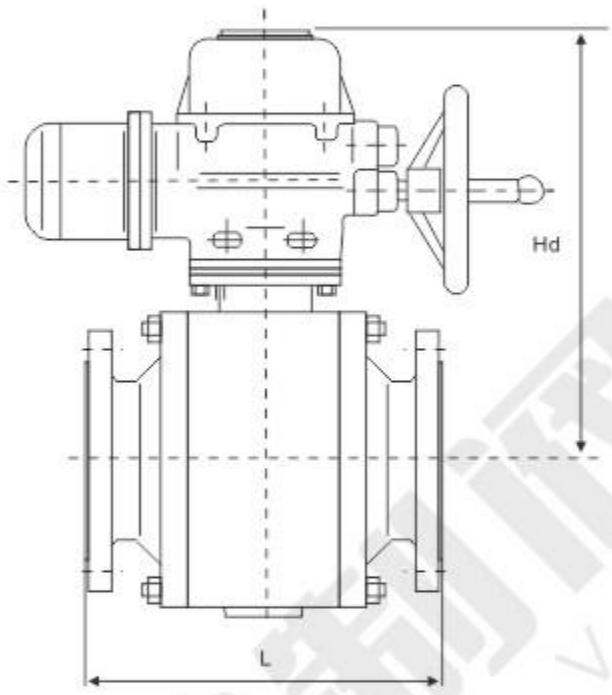
公称压力 PN	公称通径 DN	尺寸Size（mm）										
		L	D	K	d	Y	b	z–d0	Ws	Hs	Hw	Hd
1.6MPa	40	165	150	110	85	–	16	4–18	230	135	–	–
	50	203	165	125	100	–	16	4–18	260	150	–	–
	65	222	185	145	120	–	18	4–18	350	180	–	–
	80	241	200	160	135	–	20	8–18	500	195	–	–
	100	305	220	180	155	–	20	8–18	650	245	310	420
	125	356	250	210	185	–	22	8–18	800	270	330	440
	150	394	285	240	210	–	24	8–23	1000	295	390	470
	200	457	340	295	265	–	26	12–23	–	–	440	510
	250	533	405	355	320	–	30	12–25	–	–	490	560
	300	610	460	410	375	–	30	12–25	–	–	530	600
	350	686	520	470	435	–	34	16–25	–	–	620	670
	400	762	580	525	485	–	36	16–30	–	–	675	720
	450	864	640	585	545	–	40	20–30	–	–	740	790
	500	914	715	650	608	–	44	20–34	–	–	825	870
	600	1067	840	770	718	–	48	20–41	–	–	920	960
2.5MPa	40	190	150	110	85	–	18	4–18	230	135	–	–
	50	216	165	125	100	–	20	4–18	260	150	–	–
	65	241	185	145	120	–	22	8–18	350	180	–	–
	80	283	200	160	135	–	22	8–18	500	195	–	–
	100	305	230	190	160	–	24	8–23	650	245	310	420
	125	381	270	220	188	–	28	8–25	800	270	330	440
	150	403	300	250	218	–	30	8–25	1000	295	390	470
	200	502	360	310	278	–	34	12–25	–	–	440	510
	250	568	425	370	332	–	36	12–30	–	–	490	560
	300	648	485	430	390	–	40	16–30	–	–	530	600
	350	762	555	490	448	–	44	16–034	–	–	620	670
	400	838	620	550	505	–	48	16–34	–	–	675	720
	450	914	670	600	555	–	50	20–34	–	–	740	790
	500	991	730	660	610	–	52	20–41	–	–	825	870
	600	1143	845	770	718	–	56	20–41	–	–	920	960



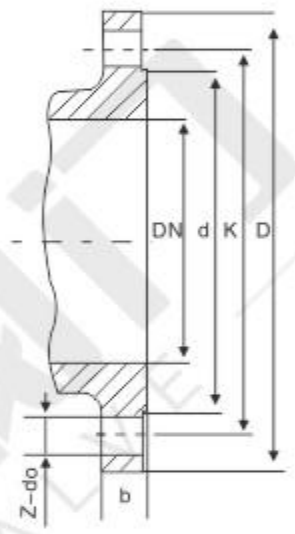
手动Manual



蜗轮传动Worm drive



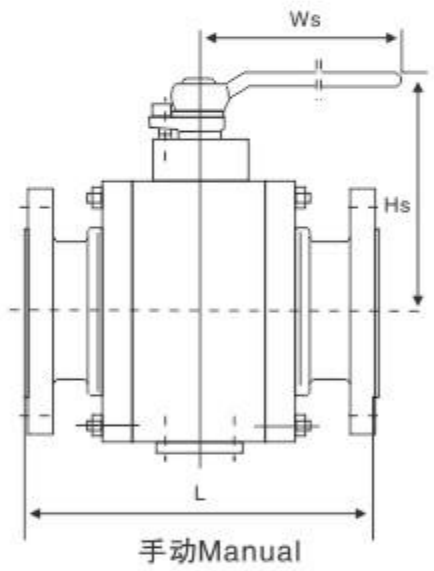
电动Electric



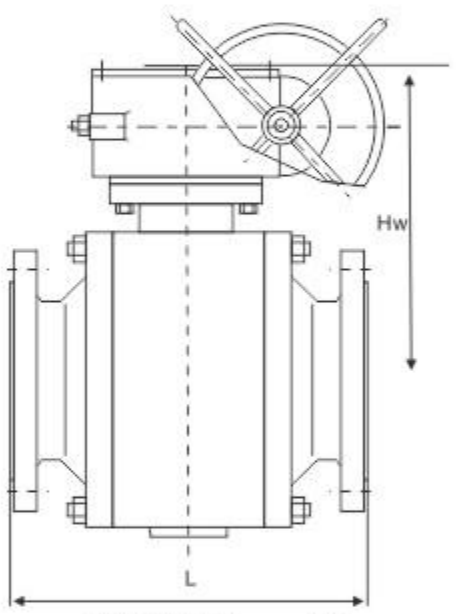
PN4.0~10.0Mpa

主要连接尺寸Main connection dimensions

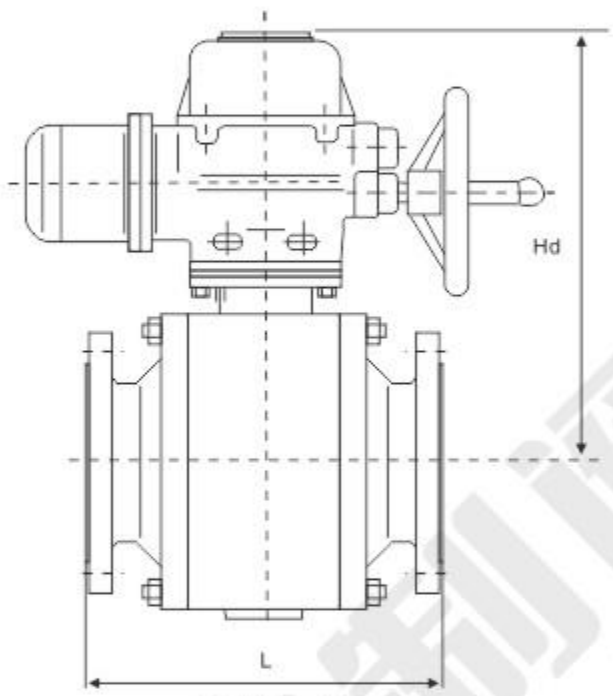
公称压力 PN	公称通径 DN	尺寸Size (mm)										
		L	D	K	d	Y	b	z-d0	Ws	Hs	Hw	Hd
4.0MPa	40	190	150	110	85	76	18	4-18	230	135	–	–
	50	216	165	125	100	88	20	4-18	260	150	–	–
	65	241	185	145	120	110	22	8-18	350	180	–	–
	80	283	200	160	135	121	22	8-18	500	195	–	–
	100	305	235	190	160	150	24	8-23	800	250	320	430
	125	381	270	220	188	176	28	8-25	1000	280	340	450
	150	403	300	250	218	204	30	8-25	1200	300	405	480
	200	502	375	320	282	260	38	12-30	–	–	450	530
	250	568	450	385	345	313	42	12-34	–	–	505	590
	300	648	515	450	408	364	46	16-34	–	–	545	620
	350	762	580	510	465	422	52	16-34	–	–	640	690
	400	838	660	585	535	474	58	16-41	–	–	690	740
	450	914	685	610	560	524	60	20-41	–	–	760	810
	500	991	755	670	612	576	62	20-48	–	–	850	900
6.4MPa	40	241	170	125	95	76	24	4-23	260	140	–	–
	50	292	180	135	105	88	26	4-23	260	160	–	–
	65	330	205	160	130	110	28	8-23	350	180	–	–
	80	356	215	170	140	121	30	8-23	500	220	–	–
	100	406	250	200	168	150	32	8-25	800	250	320	430
	125	400	295	240	202	176	36	8-30	1000	295	340	450
	150	495	345	280	240	204	38	8-34	1200	340	405	480
	200	597	405	345	300	260	44	12-34	–	–	450	530
	250	673	470	400	352	313	48	12-41	–	–	505	590
	300	762	530	460	412	364	54	16-41	–	–	545	620
	350	826	600	525	475	422	60	16-41	–	–	640	690
	400	902	670	585	525	474	66	16-48	–	–	690	740
	500	1054	800	705	640	576	70	20-54	–	–	760	810



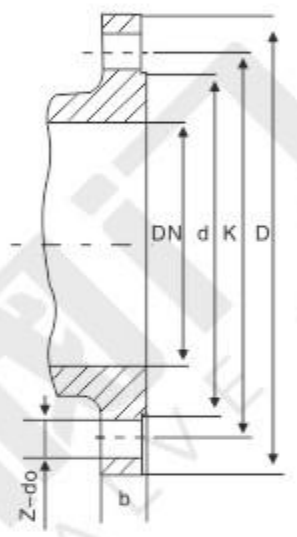
手动Manual



蜗轮传动Worm drive



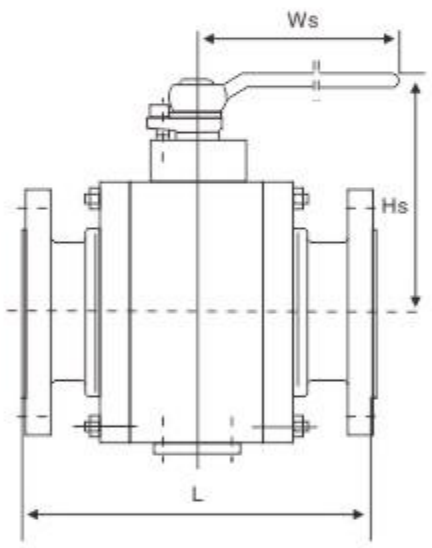
电动Electric



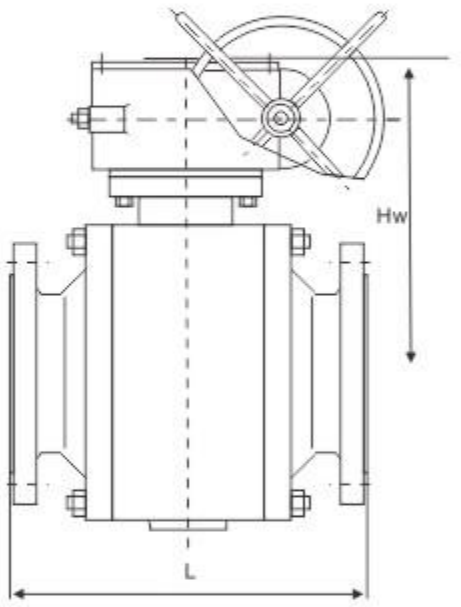
PN≥15.0MPa

主要连接尺寸Main connection dimensions

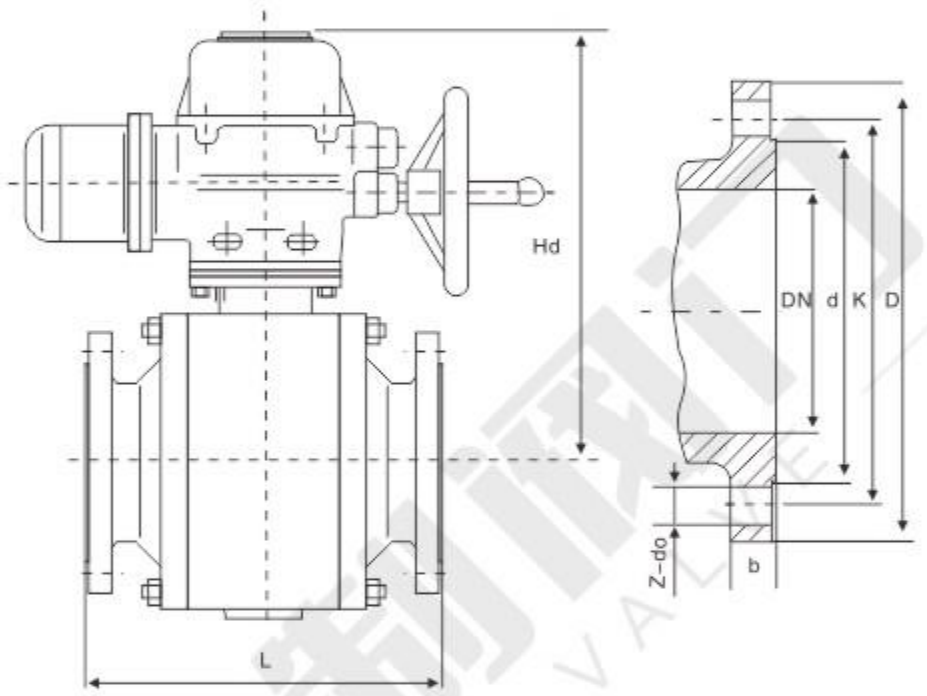
公称压力 PN	公称通径 DN	尺寸Size（mm）										
		L	D	K	d	Y	b	z-d0	Ws	Hs	Hw	Hd
10.0MPa	40	241	170	125	95	76	26	4-23	260	160	–	–
	50	292	195	145	112	88	28	4-25	350	180	–	–
	65	330	220	170	138	110	32	8-25	500	200	–	–
	80	356	230	180	148	121	34	8-25	800	240	310	410
	100	432	265	210	172	150	38	8-30	1000	270	340	450
	125	508	315	250	210	176	42	8-34	1200	320	360	505
	150	559	355	290	250	204	46	12-34	–	–	425	555
	200	660	430	360	312	260	54	12-41	–	–	470	625
	250	787	505	430	382	313	60	12-41	–	–	525	645
	300	838	585	500	442	364	70	16-48	–	–	565	715
	350	889	655	560	498	422	76	16-54	–	–	670	770
	400	991	715	620	558	474	80	16-54	–	–	720	840
16.0MPa	40	305	175	125	92	76	32	4-27	350	160	–	–
	50	368	215	165	132	88	36	8-25	500	180	–	–
	65	419	245	190	152	110	44	8-30	800	200	–	–
	80	381	260	205	168	121	46	8-30	1000	240	310	410
	100	457	300	240	200	150	48	8-34	1200	270	340	450
	125	559	355	285	238	175	60	8-41	–	–	360	505
	150	610	390	318	270	204	66	12-41	–	–	425	560
	200	737	480	400	345	260	78	12-48	–	–	530	630
	250	838	580	485	425	313	88	12-54	–	–	570	720
	300	965	665	570	510	364	100	16-54	–		680	780
20.0MPa	40	305	170	124	90	56	34	4-27	500	180	–	–
	50	368	210	160	128	70	40	8-25	650	200	–	–
	65	419	260	203	165	97	48	8-30	800	220	–	–
	80	470	290	230	190	116	54	8-34	1000	260	320	420
	100	546	360	292	245	138	66	8-41	1200	290	360	470
	125	673	385	318	270	170	76	12-41	–	–	380	530
	150	705	440	360	305	190	82	12-48	–	–	440	580
	200	832	535	440	380	245	92	12-54	–	–	550	650
	250	991	670	572	508	319	110	16-58	–	–	590	740
25.0MPa	40	305	180	124	92	68.28	32	4-29.5	500	180	–	–
	50	368	215	165	124	95.25	38.5	8-26	650	200	–	–
	65	419	245	190.5	137	107.95	41.5	8-29.5	800	220	–	–
	80	470	265	203	168	136.52	48	8-32.5	1000	260	320	420
	100	546	310	241.5	194	161.92	54	8-35.5	1200	290	360	470
	125	673	375	292	229	193.68	73.5	8-42	–	–	380	530
	150	705	395	317.5	248	211.12	83	12-39	–	–	440	580
	200	832	485	393.5	318	269.88	92	12-45	–	–	550	650



手动Manual



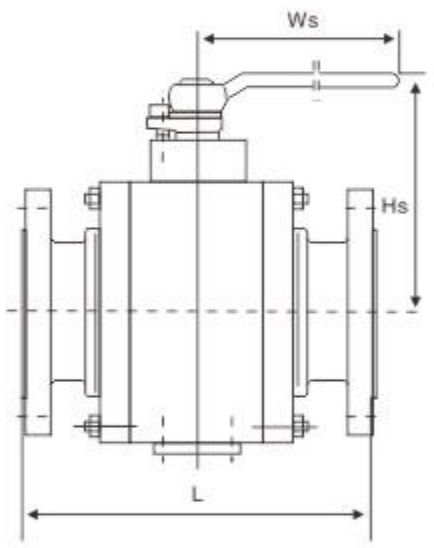
蜗轮传动Worm drive



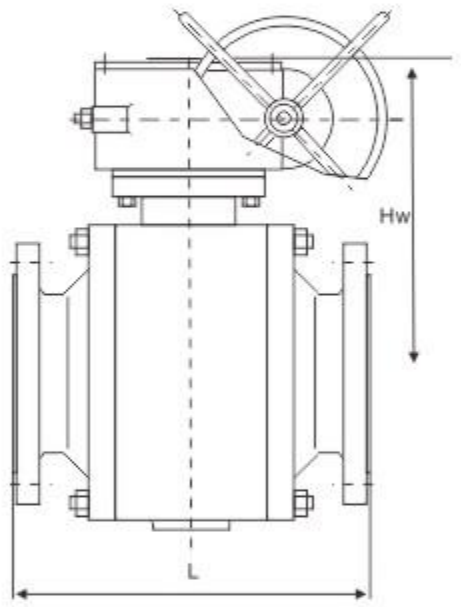
电动Electric

主要连接尺寸Main connection dimensions

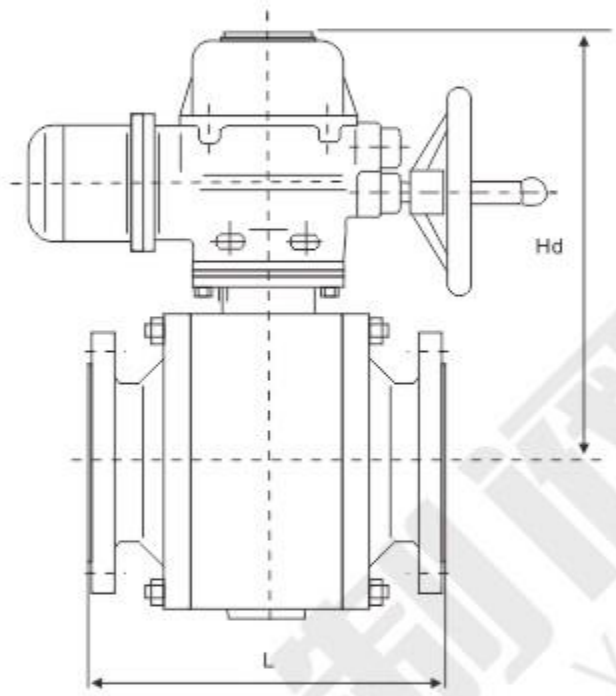
公称压力 PN	公称通径 DN	尺寸Size (mm)										
		L	D	K	d	Y	b	z–d0	Ws	Hs	Hw	Hd
Class 150	11/2"	165	127	98.5	73	–	15	4–15	230	135	–	–
	2"	178	152	120.5	92	–	16	4–19	260	150	–	–
	21/2"	190	178	139.5	105	–	18	4–19	350	180	–	–
	3"	203	190	152.5	127	–	19	4–19	500	195	–	–
	4"	229	229	190.5	157	–	24	8–19	650	245	310	420
	5"	356	254	216	186	–	24	8–22	800	270	330	440
	6"	394	279	241.5	216	–	26	8–22	1000	295	390	470
	8"	457	343	298.5	270	–	29	8–22	–	–	440	510
	10"	533	406	362	324	–	31	12–25	–	–	490	560
	12"	610	483	432	381	–	32	12–25	–	–	530	600
	14"	686	533	476	413	–	35	12–29	–	–	620	670
	16"	762	597	540	470	–	37	16–29	–	–	675	720
	18"	864	635	578	533	–	40	16–32	–	–	740	790
	20"	914	699	635	584	–	43	20–32	–	–	825	870
	24"	1067	813	749.5	692	–	48	20–35	–	–	920	960
Class 300	11/2"	190	156	114.5	73	–	21	4–22	230	135	–	–
	2"	216	165	127	92	–	23	8–19	260	150	–	–
	21/2"	241	190	149	105	–	26	8–22	350	180	–	–
	3"	283	210	168.5	127	–	29	8–22	500	195	–	–
	4"	305	254	200	157	–	32	8–22	800	250	320	430
	5"	356	279	235	186	–	35	8–22	1000	280	340	450
	6"	403	318	270	216	–	37	12–22	1200	300	405	480
	8"	502	381	330	270	–	42	12–25	–	–	450	530
	10"	568	445	387.5	324	–	48	16–29	–	–	505	590
	12"	648	521	451	381	–	51	16–32	–	–	545	620
	14"	762	584	514.5	413	–	54	20–32	–	–	640	690
	16"	838	648	571.5	470	–	58	20–35	–	–	690	740
	18"	914	711	628.5	533	–	61	24–35	–	–	760	810
	20"	991	775	686	584	–	64	24–35	–	–	850	900



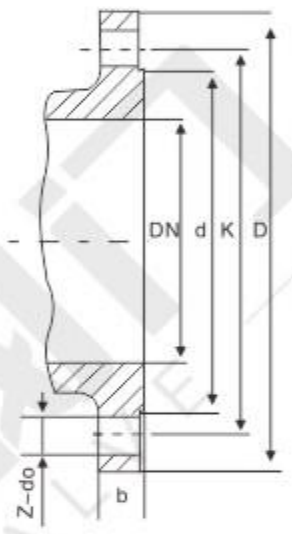
手动Manual



蜗轮传动Worm drive



电动Electric

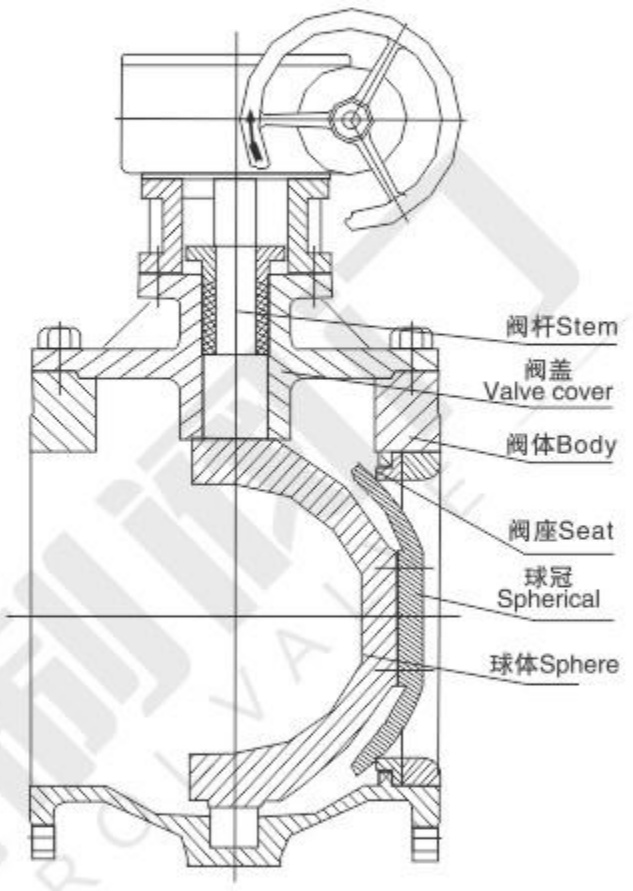


PN≥Class600

主要连接尺寸Main connection dimensions

公称压力 PN	公称通径 DN	尺寸Size (mm)										
		L	D	K	d	Y	b	z–d0	Ws	Hs	Hw	Hd
Class 600	11/2"	241	156	114.5	90	68.263	23	4–22	260	160	–	–
	2"	292	165	127	108	82.550	26	8–19	350	180	–	–
	21/2"	330	190	149	127	101.600	29	8–22	500	200	–	–
	3"	356	210	168	146	123.825	32	8–22	800	240	310	410
	4"	432	273	216	175	149.225	38	8–25	1000	270	340	450
	5"	508	330	266.5	210	180.975	45	8–29	1200	320	360	505
	6"	559	356	292	241	211.138	48	12–29	–	–	425	555
	8"	660	419	349	302	269.876	56	12–32	–	–	470	625
	10"	787	508	432	356	323.851	64	16–35	–	–	525	645
	12"	838	559	489	413	381.001	67	20–35	–	–	565	715
	14"	889	603	527	457	419.101	70	20–38	–	–	670	770
	16"	991	686	603	508	469.901	77	20–41	–	–	720	840
	18"	1092	743	654	575	533.401	83	20–44	–	–	780	920
	20"	1194	813	724	635	584.201	89	24–44	–	–	850	995
Class 900	11/2"	305	178	123.8	73	–	32.0	4–29	350	160	–	–
	2"	368	216	165.1	92	–	38.5	8–26	500	180	–	–
	21/2"	419	244	190.5	105	–	41.5	8–29	800	200	–	–
	3"	381	241	190.5	156	123.82	38.5	8–26	1000	240	310	410
	4"	457	292	234.9	181	149.22	44.5	8–32	1200	270	340	450
	5"	559	349	279.4	216	180.98	51.0	8–35	–	–	360	505
	6"	610	381	317.5	241	211.12	56.0	12–32	–	–	425	560
	8"	737	470	393.7	308	269.88	63.5	12–39	–	–	530	630
	10"	838	545	469.9	362	323.85	70.0	16–39	–	–	570	720
	12"	965	610	533.4	419	381.00	79.5	20–39	–	–	680	780
	14"	1029	640	558.8	467	419.10	86.0	20–42	–	–	800	905
	16"	1130	705	615.9	524	469.90	89.0	20–45	–	–	910	1010
Class 1500	11/2"	305	178	123.8	92	68.28	32.0	4–29	500	180	–	–
	2"	368	216	165.1	124	95.25	38.5	8–26	650	200	–	–
	21/2"	419	244	190.5	137	107.95	41.5	8–29	800	220	–	–
	3"	470	267	203.2	168	136.52	48.0	8–32	1000	260	320	420
	4"	546	311	241.3	194	161.92	54.0	8–35	1200	290	360	470
	5"	673	375	292.1	229	193.68	73.5	8–42	–	–	380	530
	6"	705	394	317.5	248	211.12	83.0	12–39	–	–	440	580
	8"	832	483	393.7	318	269.88	92.9	12–45	–	–	550	650

上装偏心半球阀
Upload eccentric semi-ball valve



结构特点及用途Structural characteristics and uses

1、压力损失小：全开时水损为零，流道完全畅通，且介质不会沉积阀体中腔内。
2、耐颗料磨损：V形开口的球冠与金属阀座之间具有剪切作用，在关闭过程中，只在最后一刻球冠才靠向阀座，不形成摩擦，且阀座用耐磨的镍合金制成，不易被冲刷磨损，因而适用于含纤维、微小固体颗粒、浆等。
3、适合高流速介质：直通流道，坚固的偏心曲轴使之适合高流速且无振动。
4、寿命长：无易损部件，由于偏心作用，阀门启闭时密封面间无摩擦，则使用寿命长。
5、维修方便：阀门维修时不需从管路上拆下，只要打开阀盖即可进行维修。
6、广泛适用于水、污水、含微固体颗粒、水、蒸汽、煤气、天然气、油品等。

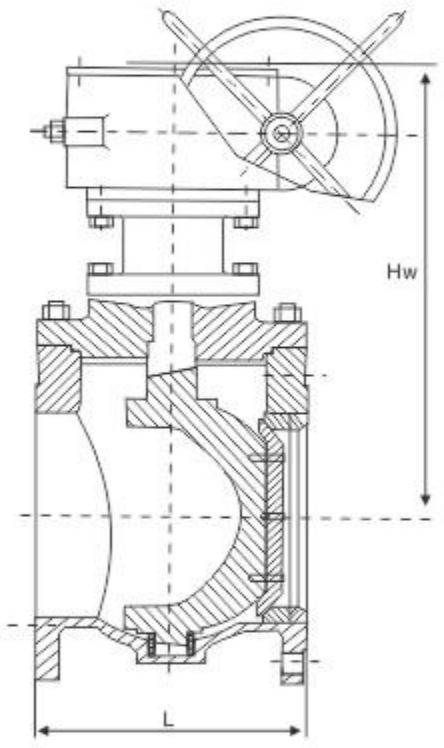
1、Pressure loss: full-time water loss is zero, flow completely smooth, medium body will not be deposited in the cavity.
2、Granule abrasion resistance: V-shaped opening of the spherical cap and the shear effect between the metal valve seat, in the closing process, only the crown at the last moment before their eyes the ball valve seat, not the formation of friction and resistant seat grinding of nickel alloys, cannot easily be washed and wear, which applies to contain fiber, small solid particles, pulp, etc.
3、Suitable for high-velocity medium: direct flow, strong eccentric – crank to fit the high velocity and no vibration.
4、Long life: no wearing parts, as eccentric, open and close the valve when the friction between the sealing surface, then the long service life.
5、 Easy maintenance: valve repair without removing the road from the tube, simply open the valve cover can be repaired.
6、Widely used in water, sewage, solid particles containing micro-, water, steam, gas, natural gas, oil and so on.

执行标准Implementation of standards

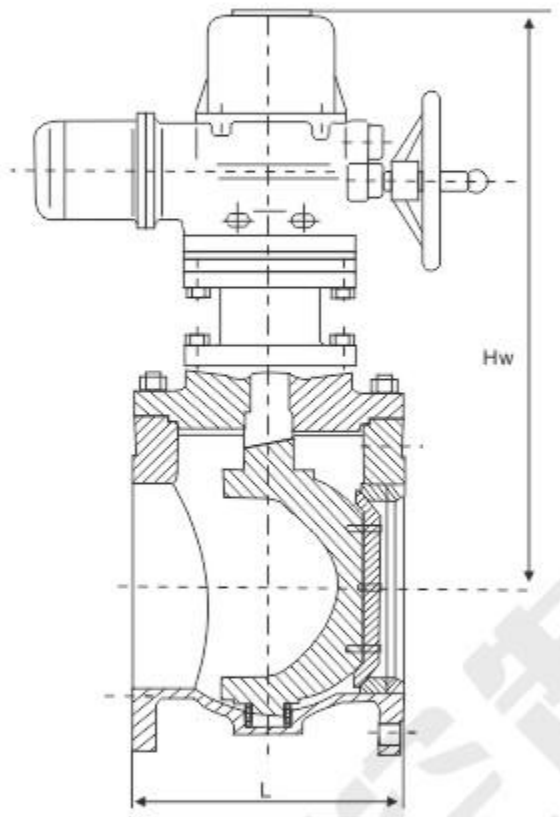
1、设计和制造Design and manufacture：GB/T 12237-1989
2、检验和试验Inspection and test：GB/T 13927-1992
3、法兰连接Flange connection：GB/T 9113.1-2000
4、结构长度Structure length：JD-2004

主要零件材料Implementation of standards

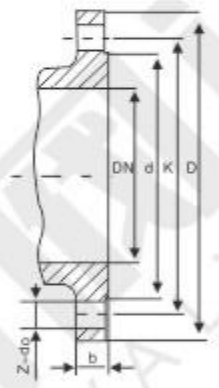
阀体Body	灰铸铁Grey cast iron	球墨铸铁Ductile Iron	铸钢Cast steel
阀盖Bonnet	灰铸铁Grey cast iron	球墨铸铁Ductile Iron	铸钢Cast steel
阀杆Stem	2Cr13	2Cr13	2Cr13
阀座Seat	不锈钢Stainless steel	不锈钢Stainless steel	不锈钢Stainless steel
球冠Spherical	球墨铸铁覆盖橡胶、不锈钢 Ductile iron cover rubber, stainless steel	不锈钢Stainless steel	铸钢覆盖橡胶/不锈钢 Rubber covered steel / stainless steel
半球Hemisphere	灰铸铁Grey cast iron	球墨铸铁Ductile Iron	铸钢Cast steel



蜗轮传动Worm drive



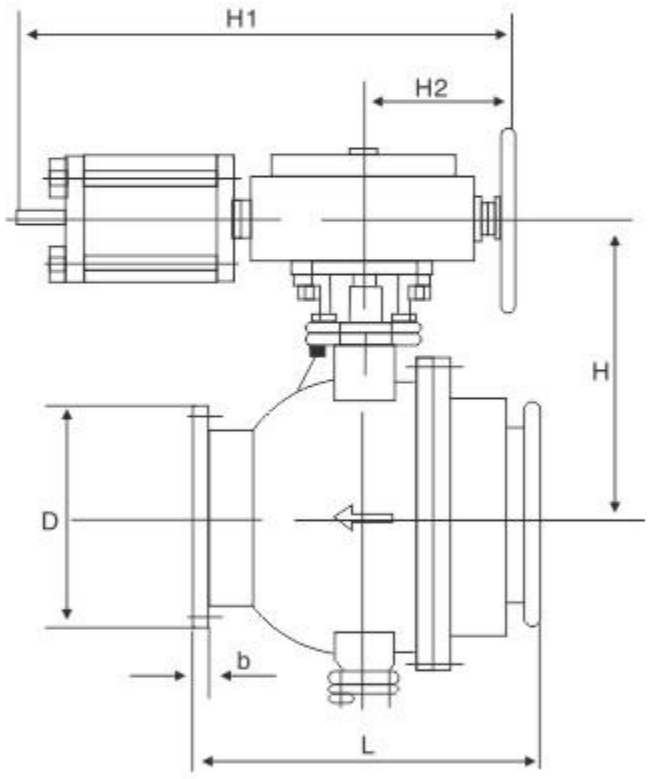
电动Electric

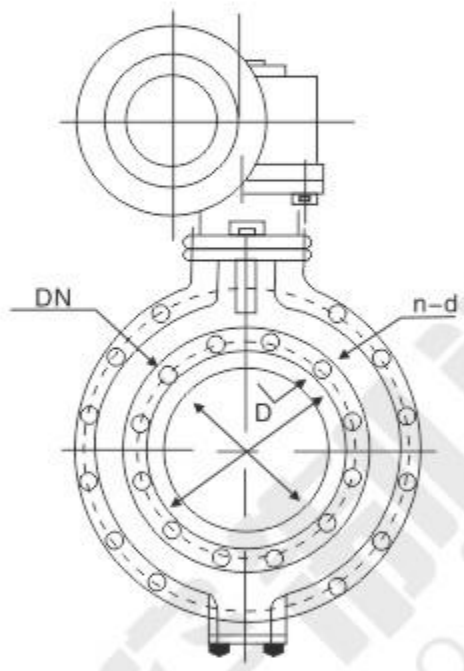


主要连接尺寸 Main connection dimensions

公称压力 PN	公称通径 DN	尺寸Size（mm）							
		L	D	K	d	b	z-d0	Hw	Hd
1.0MPa	100	229	220	180	156	22	8-18	330	380
	125	254	250	210	184	22	8-18	345	405
	150	267	285	240	211	24	8-22	370	440
	200	292	340	295	266	24	8-22	405	470
	250	330	395	350	319	26	12-22	480	540
	300	356	445	400	370	26	12-22	520	580
	350	430	505	460	429	26	16-22	570	630
	400	530	565	515	480	26	16-26	630	710
	450	580	615	565	530	28	20-26	690	770
	500	660	670	620	582	28	20-26	740	820
	600	840	780	725	682	34	20-30	840	940
	700	900	895	840	794	34	24-30	960	1040
	800	1000	1015	950	901	36	24-33	1080	1180
	900	1100	1115	1050	1001	38	28-33	1190	1280
	1000	1200	1230	1160	1112	38	28-36	1310	1420
	1200	1300	1455	1380	1328	44	32-39	1420	1530
	1400	1500	1675	1590	1530	48	36-42	1540	1650
1.6MPa	100	229	220	180	156	22	8-18	330	380
	125	254	250	210	184	22	8-18	345	405
	150	267	285	240	211	24	8-22	370	440
	200	292	340	295	266	24	12-22	405	470
	250	330	405	355	319	26	12-26	480	540
	300	356	460	410	370	28	12-26	520	580
	350	430	520	470	429	30	16-26	570	630
	400	530	580	525	480	32	16-30	630	710
	450	580	640	585	548	40	20-30	690	770
	500	660	715	650	609	44	20-33	740	820
	600	840	840	770	720	54	20-36	840	940
	700	900	910	840	794	40	24-36	960	1040
	800	1000	1025	950	901	42	24-39	1080	1180
	900	1100	1125	1050	1001	44	28-39	1190	1280
	1000	1200	1255	1170	1112	46	28-42	1310	1420
	1200	1300	1485	1390	1328	52	32-48	1420	1530
	1400	1500	1685	1590	1530	58	36-48	1540	1650

FQ347AF-2.5、6 FQ647AF-2.5、6 FQ947AF-2.5、6





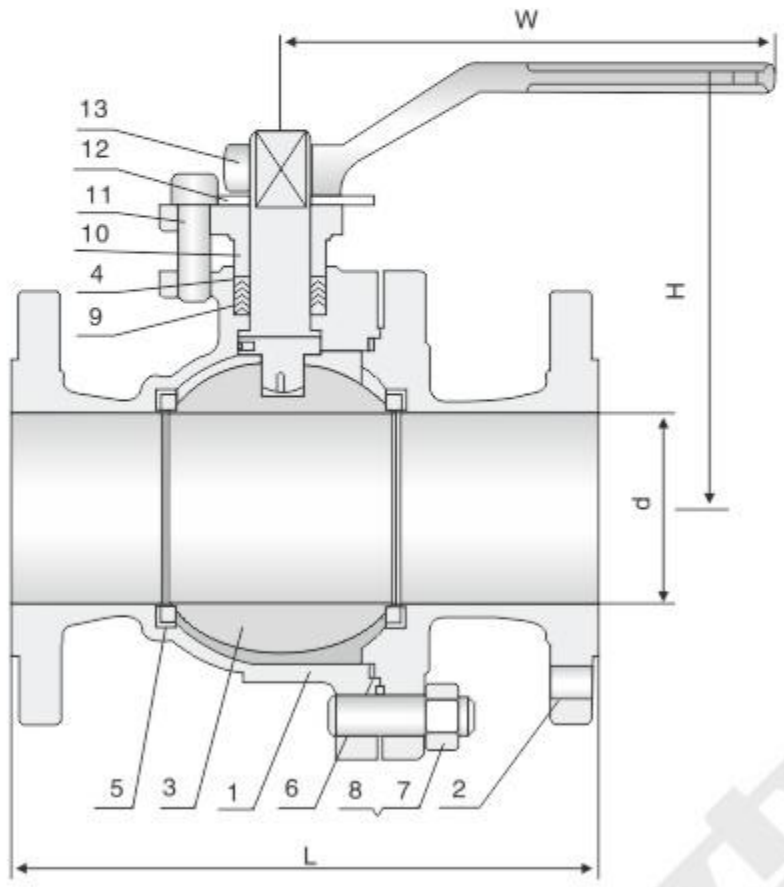
卸灰球阀Cinder ball valve

●该阀门适用于冶金行业，切断含灰煤气管道，也可用于其它含灰气体管道作切断设备或放散阀。
●公称压力：0.25MPa、0.6MPa
●适用介质：空气、粉尘、含灰煤气
●适用温度：≤250℃
●球体材料：铸钢不锈钢该阀用0.25MPa气体进行试压5分钟，压降应小于3×103MPa
●法兰连接尺寸按GB/T 1724.6-1988
●该阀安装时介质流向应符合阀体上箭头指向。
●传动方式：气动、电动、液动、电液联动。
●The valve used in metallurgy industry, coal gas pipeline off ash can also be used for other with gray gas pipeline to cut off the device or relief valve.
● Nominal Pressure: 0.25MPa, 0.6MPa
● Suitable medium: air, dust, ash gas
● Suitable Temperature: ≤ 250 ℃
● Ball material: stainless steel for the gas valve pressure test with 0.25MPa 5 minutes, the pressure drop should be less than 3 × 103MPa
● Flange dimensions according to GB / T 1724.6-1988
●This valve installs when the medium flows should conform to the valve chest the arrow direction.
● Type of drive: Air operated, electrically operated, the fluid moves, the battery solution linkage.

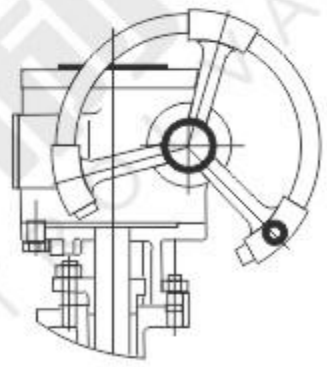
主要连接尺寸Main connection dimensions

公称通径 DN	尺寸Size (mm)								重量 Weight (kg)
	L	D	D1	b	n-d	H	H1	H2	
150	394	285	240	20	8-22	980	1320	1720	200
200	457/500	340	295	20	8-22	1060	1320	720	240
250	533/600	395	350	20	12-22	1100	1320	720	340
300	610/700	445	400	28	12-22	1140	1320	720	450
350	686/800	505	460	28	16-22	1175	1320	720	560
400	762/900	565	515	28	16-22	1350	1580	850	840

Q41/641/9B41F-16C/P



防火结构
Fire durable



蜗轮传动
Worm gear operation

主要外形和连接尺寸Main external and connection dimension **单位Unit:mm**

公称通径 DN	主要外形和连接尺寸Main external and connectiong dimensions								WT (kg)
	L	D	D_1	D_2	B	Z-Φd	H	W	
	Q41F-16C	Q41F-16P	Q641F-16C	Q641F-16P	Q9B41F-16C	Q9B41F-16P			
15	130	95	65	45	14	4-Φ14	78	140	3
20	140	105	75	55	14	4-Φ14	84	160	4
25	150	115	85	65	14	4-Φ14	95	180	5
32	165	135	100	78	16	4-Φ18	150	250	9
40	180	145	110	85	16	4-Φ18	150	300	11
50	200	160	125	100	16	4-Φ18	170	350	15
65	220	180	145	120	18	4-Φ18	195	350	19
80	250	195	160	135	20	8-Φ18	215	400	27
100	280	215	180	155	20	8-Φ18	250	500	38
125	320	245	210	185	22	8-Φ18	265	600	58
150	360	280	240	210	24	8-Φ23	270	800	81
200	400	335	295	265	26	12-Φ23	330	800	95
250	530	405	355	320	30	12-Φ25	450	1300	140

Q41/341/641/941P-25~64(P)

主要外形和连接尺寸 Main external and connection dimension **单位Unit:mm**

公称通径 DN	主要外形和连接尺寸Main external and connectiong dimensions								WT (kg)
	L	D	D_1	D_2	b	Z-Φd	H	W	
		Q41F-25	Q41F-25P	Q641F-25	Q641F-25P	Q9B41F-25	Q9B41F-25P		
15	130	95	65	45	16	4-Φ14	103	100	3
20	140	105	75	55	16	4-Φ14	112	160	4
25	150	115	85	65	16	4-Φ14	123	160	6
32	165	135	100	78	18	4-Φ18	150	250	10
40	180	145	110	85	18	4-Φ18	156	250	14
50	200	160	125	100	20	4-Φ18	172	350	20
65	220	180	145	120	22	8-Φ18	197	350	25
80	250	195	160	135	22	8-Φ18	222	450	30
100	280	230	190	160	24	8-Φ23	253	450	40
125	320	270	220	188	28	8-Φ25	275	600	65
150	360	300	250	218	30	8-Φ25	286	800	85
200	400	360	310	278	34	12-Φ25	340	1200	100
250	530	425	370	332	36	12-Φ30	470	1400	165
	Q41F-40	Q41F-40P	Q341F-40	Q341F-40P	Q641F-40	Q641F-40P	Q9B41F-40	Q9B41F-40P	
15	140	95	65	45	16	4-Φ14	103	100	3
20	152	105	75	55	16	4-Φ14	112	160	4
25	165	115	85	65	16	4-Φ14	123	160	6
32	178	135	100	78	18	4-Φ18	150	250	10
40	190	145	110	85	18	4-Φ18	156	250	14
50	216	160	125	100	20	4-Φ18	172	350	20
65	241	180	145	120	22	8-Φ18	197	350	25
80	283	195	160	135	22	8-Φ18	222	450	30
100	305	230	190	160	24	8-Φ23	253	450	40
125	381	270	220	188	28	8-Φ25	275	600	65
150	403	300	250	218	30	8-Φ25	286	800	85
200	502	375	320	282	38	12-Φ30	340	1200	100
250	568	445	385	345	42	12-Φ34	470	1400	165
	Q41F-64	Q41F-64P	Q341F-64	Q341F-64P	Q641F-64	Q641F-64P	Q9B41F-64	Q9B41F-64P	
15	165	105	75	55	18	4-Φ14	105	130	3.1
20	190	125	90	68	20	4-Φ18	125	130	4.9
25	216	135	100	78	22	4-Φ18	135	160	7.2
32	229	150	110	82	24	4-Φ18	150	160	8.7
40	241	165	125	95	24	4-Φ23	165	230	12.1
50	292	175	135	105	26	4-Φ23	175	230	16.7
65	330	200	160	130	28	8-Φ23	200	400	28.2
80	356	210	170	140	30	8-Φ23	210	400	36
100	432	250	200	168	32	8-Φ25	250	700	66
125	508	295	240	202	36	8-Φ30	295	1100	98
150	559	340	280	240	38	8-Φ34	340	1500	142

螺栓连接浮动球阀

Bolt connection floating ball valve

设计

球阀为提供最大的操作寿命和可靠性而设计和生产的，所有的球阀都符合美国石油学会标准API608和API6D的求和英标BS 5351与美国机械工程师协会标准ASME B16.34一致。阀门由完整的阀体、阀盖和内件组成。

Design

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

材料范围

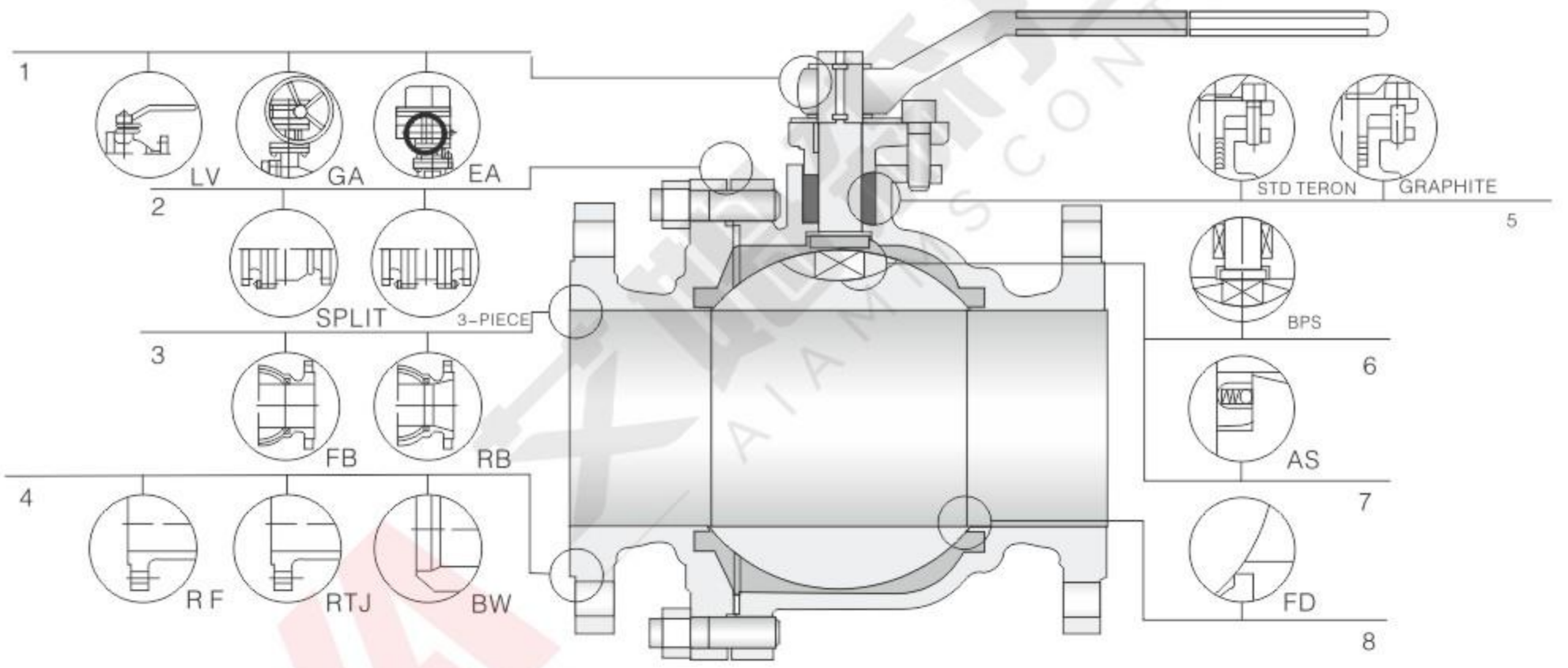
阀体/阀盖的材料包括碳含量的九个等级，低合金和不锈钢，在特殊的适用中，他们可用合金和不锈钢的其他等级。有许多的内件供不同的环境下使用，填料和垫片的选择也为各种环境所具备。

Rang of Materials

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

阀门的商标可以按照客户的要求修改Available Modifications For Trademark Cast Steel Valves

- ＊内件变化 ＊Trim changes
- ＊连接方式改变 ＊End connection Modifications
- ＊填料和垫片的改变 ＊Packing and Gasket Changes
- ＊固定式操作 ＊Operator Mounting
- ＊加长手柄 ＊Handwheel Extensions
- ＊压力调节 ＊Pressure Equalizing
- ＊静电弹簧/防火标准 ＊AS or FD
- ＊客户的特殊铸造要求 ＊Customer specified Coatings
- ＊焊接端的内孔改变 ＊Weld End Bore Changes
- ＊氧/氯气的清洁及包装 ＊Oxygen & Chlorine Cleaning &Packaging



1操作Operating

用手柄更容易操作，同样也可以用蜗轮、电动、气动、液动，他们用于更艰难的环境下

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

2阀体-阀盖 BODY&BONNET

不采3片式12＂以下的阀体、阀盖，用这种结构更方便于外部零件的修理和替换

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

3通径BORE

全通径和缩径

全通径适用于大的流量介质

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

4连接方式 End Connections

可采用法兰连接、环连接、对接焊管件

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

5填料Packing

标准填料一般采用特氟龙材质，保证填料在高循环的压缩和严峻的操作环境下，石墨填料适合高温条件下使用

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

6阀杆防脱BPS

防止阀杆脱落，一个压力安全的阀杆设计应该是有防脱结构，在正常压力下不易飞出

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

7静电弹簧AS

这种连接总是在球体和阀杆/阀体之间运动卸载最终在操作时静止

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

8防火标志FD

根据API607 或BS6755 来设计，确保他们在发生火灾时的操作适用性，其次金属密封面当主要的密封面被火破坏时就像是一层隔离墙，符合API607的阀门带石墨填料和垫片

Fire Durable.Designed to API607 or BS6755 to grant their operation suitability in case of fire.Secondary metal-to-metal seal acts as backup if primary seal is destroyed by fire. Valves ordered for compliance with APL607 will be provided with graphite packing and gaskets.

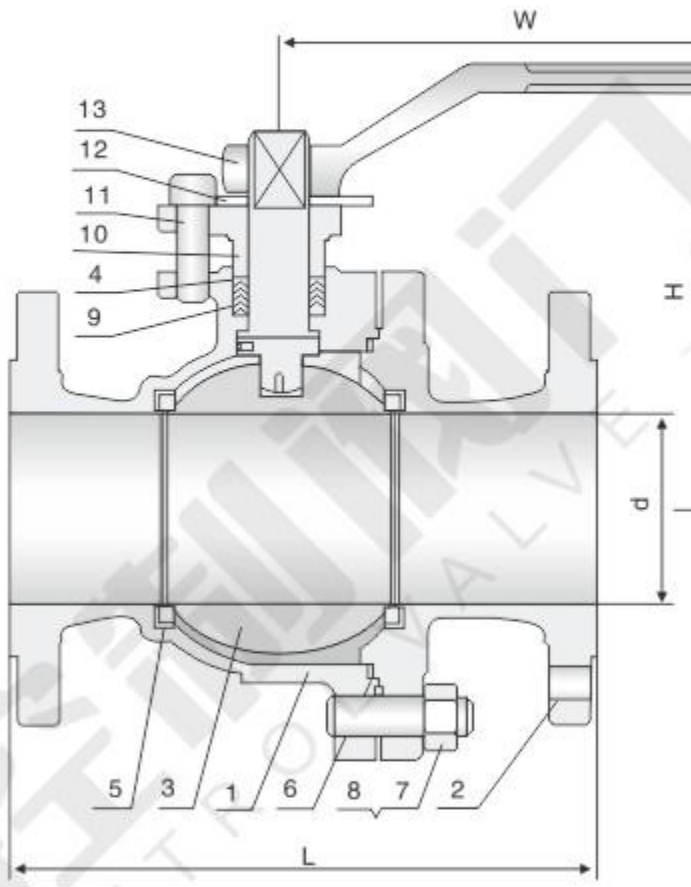
150磅/150Lb

应用标准
球阀符合API 608/API 6D标准
球阀符合ISO 10434/ISO 14313标准
防火标志采用API 607 标准
防静电采用API 608标准
符合ASME B 16.34标准
结构长度符合ASME B 16.10标准
法兰尺寸符合ASME B 16.5标准
对接焊符合ASME B 16.25标准
试验与检验符合API 598/API 6D标准

Applicable standards:
BALL VALVES，API 608/API 6D
BALL VALVES，ISO 10434/ISO 14313
FIRE DURABLE，API 607
ANTI STATIC，API 608
VALVES，ASME B 16.34
FACE TO FACE，ASME B 16.10
END FLANGES，ASME B 16.5
BUTTWELDING ENDS，ASM B 16.25
INSPECTION AND TEST，API 598/API 6D

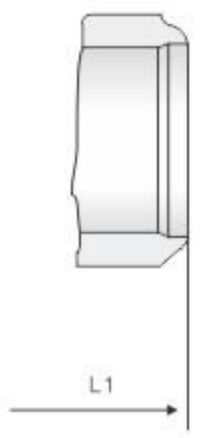
设计描述
全通径设计
螺栓连接
浮动结构
防脱阀杆
防火设计
静电装置
切断装置
ISO5211 固定盘
法兰/焊接端
蜗轮操作

Design description:
FULL PORT DESIGN
BB，BOLTED BONNET，SPLIT BODY
FLOATING BALL TYPE
BLOW-OUT PROOF STEM
FIRE DURABLE CONSTRUCTION
ANTI STATIC DEVICE
STOPPER DEVICE
ISO5211 MOUNTING PAD
FLANGED OR BUTT WELDING ENDS
AVAILABLE WITH BG OPERATOR



各部件材质Materials of parts

序号 NO	零件名称 Part Name	ASTM材质 ASTM Material		
		碳钢Carbon Steel	18Cr-9Ni-2Mo	碳钢Carbon Steel
1	阀体Body	A216-WCB	A351-CF8M	A352-LCB
2	阀盖Bonnet	A216-WCB	A351-CF8M	A352-LCB
3	球Ball	A182-F304[1]	A182-F316	A182-F304[1]
4	阀杆Stem	A276-304	A276-316	A276-304
5	阀座Seat Ring	R.PTFE		
6	垫片Bonnet Gasket	石墨+304[2] Graphite+304[2]	PTFE	石墨+304[2] Graphite+304[2]
7	阀盖螺栓Bonnet Stud	A193-B7	A193-B8	A320-L7
8	阀盖螺母Bonnet Stud Nut	A194-2H	A194-8	A194-7
9	填料Packing	PTFE		
10	填料压板Gland Flange	A216-WCB	A351-CF8M	A352-LCB
11	填料螺栓Gland Bolt	A193-B7	A193-B8	A193-B7
12	定位片Stop Plate	碳钢Carbon Steel	碳钢+ZnCarbon Steel +Zn	碳钢Carbon Steel
13	手柄Handle	碳钢Carbon Steel		



注释：1、A105+ENP 可选择的
2、缠绕石墨垫片

Note:1).A105+ENP optional
2).Spiral wound construction.

尺寸数据 Dimensions data

NPS / DN	1/2 / 15	3/4 / 20	1 / 25	1 1/2 / 40	2 / 50	1 1/2 / 40	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	in / mm
ANSI Class 150Lb													
L (RF)	4.25	4.62	5.00	6.50	7.00	7.50	8.00	9.00	15.50	18.00	21.00	24.00	in
	108	117	127	165	178	190	203	229	394	457	533	610	mm
L1 (BW)	5.50	6.00	6.50	7.50	8.50	9.50	11.12	12.00	18.00	20.50	22.00	25.00	in
	140	152	165	190	216	241	283	305	457	521	559	635	mm
H	2.12	2.12	2.75	3.50	4.12	6.12	7.25	8.00	10.00	11.00	13.50	16.50	in
	55	55	70	90	105	155	185	205	255	280	345	420	mm
(d)	13	19	25	38	49	62	74	100	150	201	252	303	mm
W	5	5	6	8	14	16	20	20	24	32	32	32	in
	130	130	160	200	350	400	500	500	600	800	800	800	mm
WT (Kg)	2.3	3	4.5	7	9.5	15	19	33	93	160	200	280	RF
	1.8	2.8	3.7	6.2	8.5	14	21	35	98	170	225	295	BW

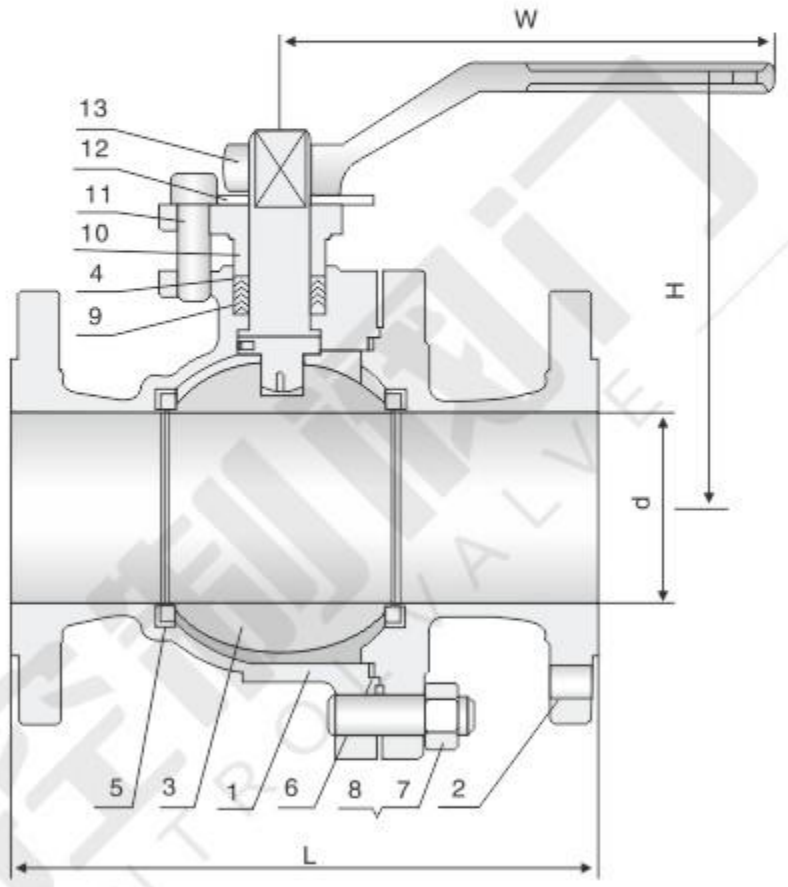
300磅/300Lb

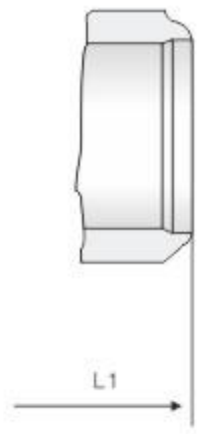
应用标准
球阀符合API 608/API 6D标准
球阀符合ISO 10434/ISO 14313标准
防火标志采用API 607 标准
防静电采用API 608标准
符合ASME B 16.34标准
结构长度符合ASME B 16.10标准
法兰尺寸符合ASME B 16.5标准
对接焊符合ASME B 16.25标准
试验与检验符合API 598/API 6D标准

设计描述
全通径设计
螺栓连接
浮动结构
防脱阀杆
防火设计
静电装置
切断装置
ISO5211 固定盘
法兰/焊接端
蜗轮操作

Applicable standards:
BALL VALVES，API 608/API 6D
BALL VALVES，ISO 10434/ISO 14313
FIRE DURABLE，API 607
ANTI STATIC，API 608
VALVES，ASME B 16.34
FACE TO FACE，ASME B 16.10
END FLANGES，ASME B 16.5
BUTTWELDING ENDS，ASM B 16.25
INSPECTION AND TEST，API 598/API 6D

Design description:
FULL PORT DESIGN
BB，BOLTED BONNET，SPLIT BODY
FLOATING BALL TYPE
BLOW-OUT PROOF STEM
FIRE DURABLE CONSTRUCTION
ANTI STATIC DEVICE
STOPPER DEVICE
ISO5211 MOUNTING PAD
FLANGED OR BUTT WELDING ENDS
AVAILABLE WITH BG OPERATOR





各部件材质Materials of parts

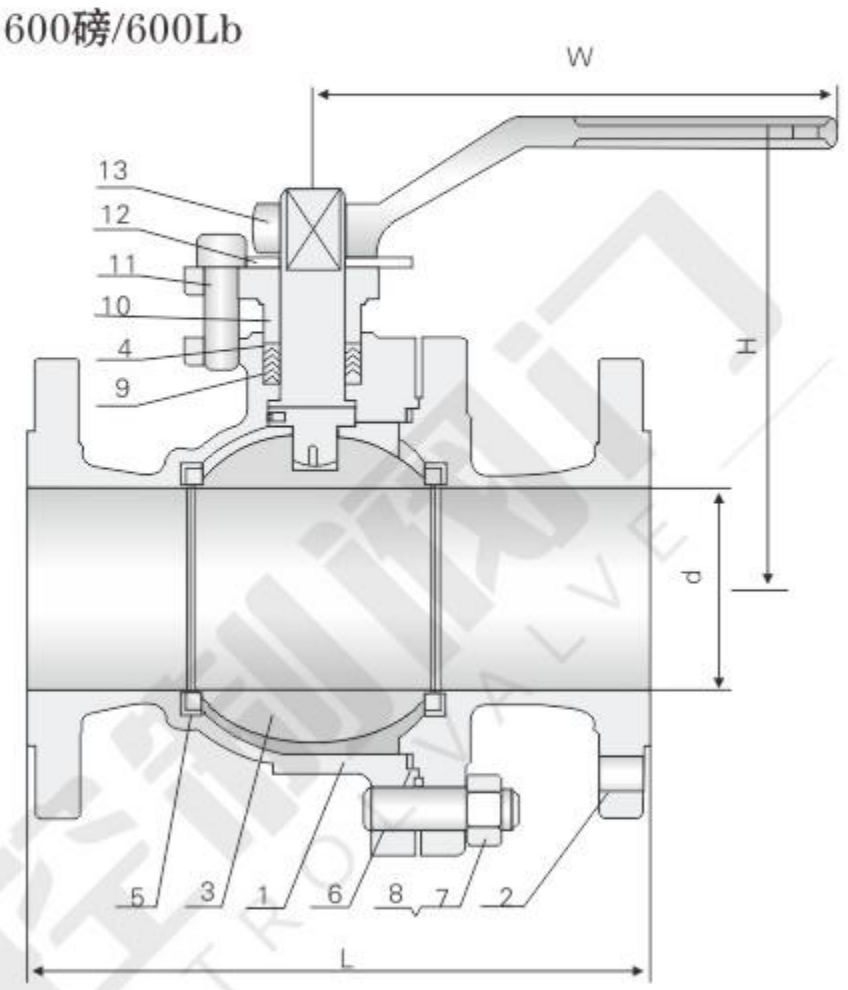
序号 NO	零件名称 Part Name	ASTM材质 ASTM Material		
		碳钢Carbon Steel	18Cr-9Ni-2Mo	碳钢Carbon Steel
1	阀体Body	A216-WCB	A351-CF8M	A352-LCB
2	阀盖Bonnet	A216-WCB	A351-CF8M	A352-LCB
3	球Ball	A182-F304[1]	A182-F316	A182-F304[1]
4	阀杆Stem	A276-304	A276-316	A276-304
5	阀座Seat Ring	R.PTFE		
6	垫片Bonnet Gasket	石墨+304[2] Graphite+304[2]	PTFE	石墨+304[2] Graphite+304[2]
7	阀盖螺栓Bonnet Stud	A193-B7	A193-B8	A320-L7
8	阀盖螺母Bonnet Stud Nut	A194-2H	A194-8	A194-7
9	填料Packing	PTFE		
10	填料压板Gland Flange	A216-WCB	A351-CF8M	A352-LCB
11	填料螺栓Gland Bolt	A193-B7	A193-B8	A193-B7
12	定位片Stop Plate	碳钢Carbon Steel	碳钢+ZnCarbon Steel +Zn	碳钢Carbon Steel
13	手柄Handle	碳钢Carbon Steel		

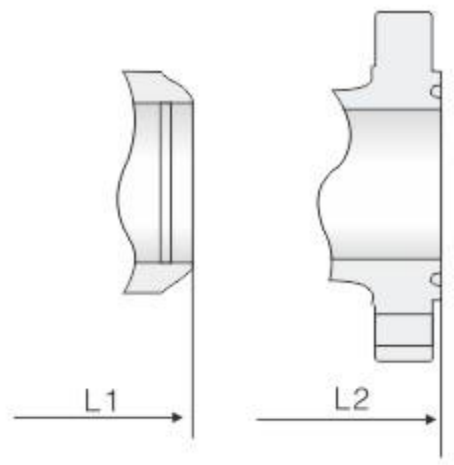
注释：1、A105+ENP 可选择的　Note:1).A105+ENP optional
2、缠绕石墨垫片　2).Spiral wound construction.

尺寸数据 Dimensions data

NPS / DN	1/2 / 15	3/4 / 20	1 / 25	1 1/2 / 40	2 / 50	1 1/2 / 40	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	in / mm
ANSI Class 300Lb													
L (RF)	5.50	600	6.50	7.50	8.50	9.50	11.12	12.00	15.88	19.75	22.38	25.50	in
	140	152	165	190	216	241	283	305	403	502	568	648	mm
L1 (BW)	5.50	6.00	6.50	7.50	8.50	9.50	11.12	12.00	18.00	20.50	22.00	25.00	in
	140	152	165	190	216	241	283	305	457	521	559	635	mm
H	2.12	2.12	2.75	3.50	4.12	6.12	7.25	8.00	10.00	11.00	13.50	16.50	in
	55	55	70	90	105	153	187	206	255	280	345	420	mm
(d)	13	19	25	38	49	62	74	100	150	201	252	303	mm
W	5	5	6	8	14	16	20	20	24	32	32	32	in
	130	130	160	200	350	400	500	500	600	800	800	800	mm
WT	2.5	3.5	5.5	10.5	14.5	23.5	30	55	118	200	250	330	RF
(Kg)	1.8	2	3.2	5.5	8.7	15	18	36	85	152	182	232	BW

600磅/600Lb





应用标准
球阀符合API 608/API 6D标准
球阀符合ISO 10434/ISO 14313标准
防火标志采用API 607 标准
防静电采用API 608标准
符合ASME B 16.34标准
结构长度符合ASME B 16.10标准
法兰尺寸符合ASME B 16.5标准
对接焊符合ASME B 16.25标准
试验与检验符合API 598/API 6D标准

Applicable standards:
BALL VALVES，API 608/API 6D
BALL VALVES，ISO 10434/ISO 14313
FIRE DURABLE，API 607
ANTI STATIC，API 608
VALVES，ASME B 16.34
FACE TO FACE，ASME B 16.10
END FLANGES，ASME B 16.5
BUTTWELDING ENDS，ASM B 16.25
INSPECTION AND TEST，API 598/API 6D

设计描述
全通径设计
螺栓连接
浮动结构
防脱阀杆
防火设计
静电装置
切断装置
ISO5211 固定盘
法兰/焊接端
蜗轮操作

Design description:
FULL PORT DESIGN
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FIRE DURABLE CONSTRUCTION
ANTI STATIC DEVICE
STOPPER DEVICE
ISO5211 MOUNTING PAD
FLANGED OR BUTT WELDING ENDS
AVAILABLE WITH BG OPERATOR

各部件材质Materials of parts

序号 NO	零件名称 Part Name	ASTM材质 ASTM Material		
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1	阀体Body	A216-WCB	A351-CF8M	A352-LCB
2	阀盖Bonnet	A216-WCB	A351-CF8M	A352-LCB
3	球Ball	A182-F304[1]	A182-F316	A182-F304[1]
4	阀杆Stem	A276-304	A276-316	A276-304
5	阀座Seat Ring	R.PTFE		
6	垫片Bonnet Gasket	石墨+304[2] Graphite+304[2]	PTFE	石墨+304[2] Graphite+304[2]
7	阀盖螺栓Bonnet Stud	A193-B7	A193-B8	A320-L7
8	阀盖螺母Bonnet Stud Nut	A194-2H	A194-8	A194-7
9	填料Packing	PTFE		
10	填料压板Gland Flange	A216-WCB	A351-CF8M	A352-LCB
11	填料螺栓Gland Bolt	A193-B7	A193-B8	A193-B7
12	定位片Stop Plate	碳钢Carbon Steel	碳钢+ZnCarbon Steel +Zn	碳钢Carbon Steel
13	手柄Handle	碳钢Carbon Steel		

注释：1、A105+ENP 可选择的
2、缠绕石墨垫片

Note:1).A105+ENP optional
2).Spiral wound construction.

尺寸数据 Dimensions data

NPS / DN	1/2 / 15	3/4 / 20	1 / 25	1 1/2 / 40	2 / 50	1 1/2 / 40	3 / 80	4 / 100	6 / 150	in / mm
ANSI Class 600Lb										
L (RF)	6.50	7.50	8.50	9.50	11.50	13.00	14.00	17.00	22.00	in
	165	190	216	241	292	330	356	432	559	mm
L1 (BW)	–	–	–	–	11.50	13.00	14.00	17.00	22.00	in
	–	–	–	–	292	330	356	432	559	mm
H	2.38	2.38	3.00	4.00	4.75	6.88	8.38	9.25	11.38	in
	61.5	61.5	78	101	120	174	212	234	289	mm
(d)	13	19	25	38	49	62	74	100	150	mm
W	5	6	8	14	16	20	24	24	32	in
	130	160	200	350	400	500	600	600	800	mm
WT (Kg)	3.3	4.5	7.2	13.5	19	31	39	71	153	RF
	2.6	3.1	4.8	8	13	22	27	53	120	BW

螺栓连接固定球阀

Bolt connection fixed ball valve

设计

球阀为提供最大的操作寿命和可靠性而设计和生产的，所有的球阀都符合美国石油学会标准API608和API6D的求和英标BS 5351与美国机械工程师协会标准ASME B16.34一致。阀门由完整的阀体、阀盖和内件组成。

Design

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

材料范围

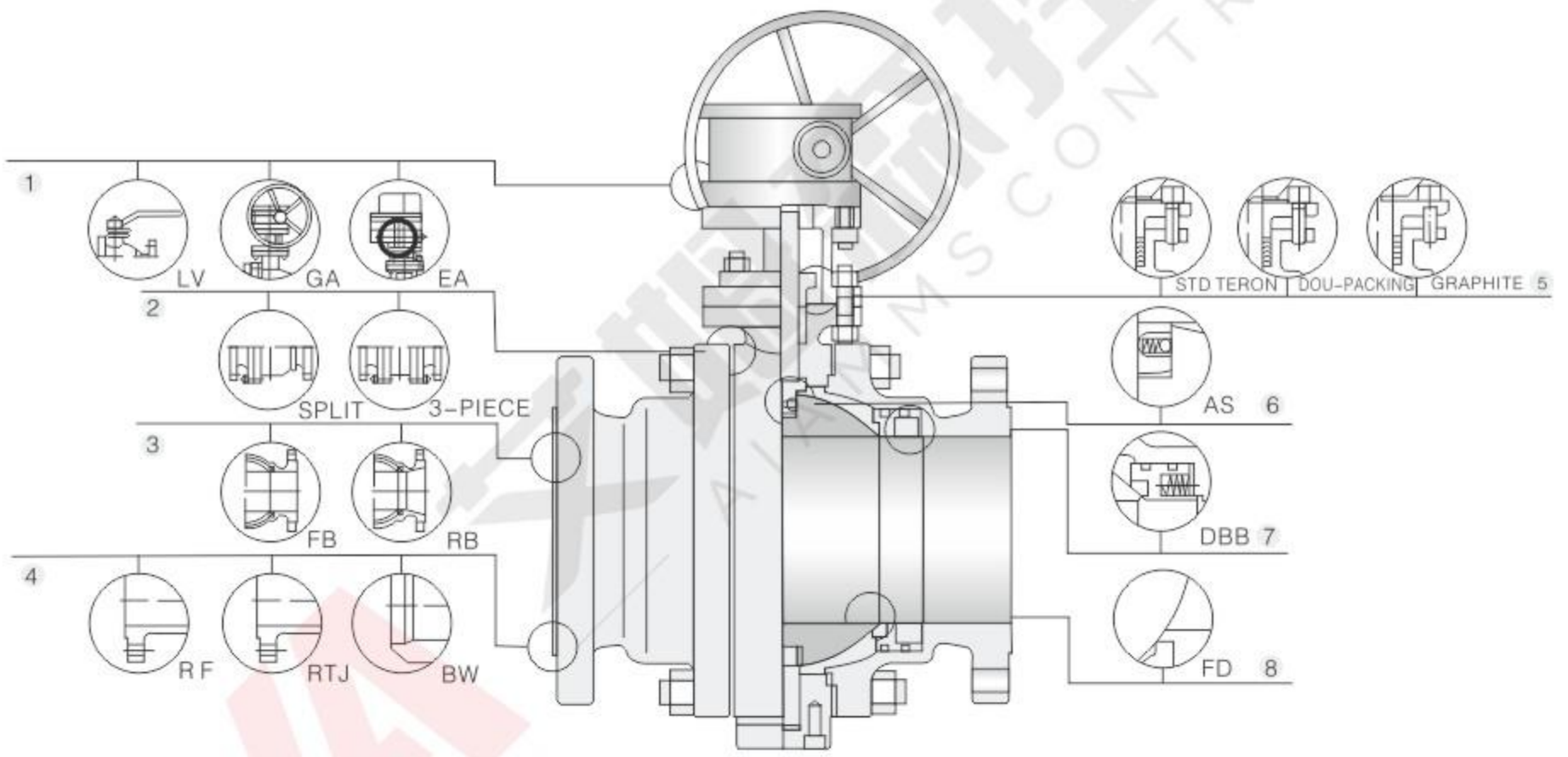
阀体/阀盖的材料包括碳含量的九个等级，低合金和不锈钢，在特殊的适用中，他们可用合金和不锈钢的其他等级。有许多的内件供不同的环境下使用，填料和垫片的选择也为各种环境所具备。

Rang of Materials

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

碳钢阀门的商标可以按照客户的要求修改Available Modifications For Trademark Cast Steel Valves

- ＊内件变化 ＊Trim changes
- ＊连接方式改变 ＊End connection Modifications
- ＊填料和垫片的改变 ＊Packing and Gasket Changes
- ＊固定式操作 ＊Operator Mounting
- ＊加长手柄 ＊Handwheel Extensions
- ＊压力调节 ＊ Pressure Equalizing
- ＊静电弹簧/防火标准 ＊AS or FD
- ＊客户的特殊铸造要求 ＊Customer specified Coatings
- ＊焊接端的内孔改变 ＊Weld End Bore Changes
- ＊氧/氯气的清洁及包装 ＊Oxygen & Chlorine Cleaning &Packaging



1操作Operating

用手柄更容易操作，同样也可以用蜗轮、电动、气动、液 动，他们用于更艰难的环境下

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

2阀体-阀盖 BODY&BONNET

不采用3片式12＂以下的阀体、阀盖，用这种结构更方便于外部零件的修理和替换

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

3通径BORE

全通径和缩径

全通径适用于大的流量介质

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

4连接方式 End Connections

可采用法兰连接、环连接、对接焊管件

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

5填料Packing

标准填料一般采用特氟龙材质，保证填料在高循环的压缩和严峻的操作环境下，石墨填料适合高温条件下使用

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

6静电弹簧AS

这种连接总是在球体和阀杆/阀体之间运动卸载最终在操作时静止

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

7双排双堵DDB

当球体完全关闭或完全打开时，阀体通穴是孤立的，堵在里面的介质可以很容易地排出，避免过高的压力。

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

8防火标志FD

根据API607 或BS6755 来设计，确保他们在发生火灾时的操作适用性，其次金属密封面当主要的密封面被火破坏时就像是一层隔离墙，符合API607的阀门带石墨填料和垫片

Fire Durable.Designed to API607 or BS6755 to grant their operation suitability in case of fire.Secondary metal-to-metal seal acts as backup if primary seal is destroyed by fire. Valves ordered for compliance with APL607 will be provided with graphite packing and gaskets.

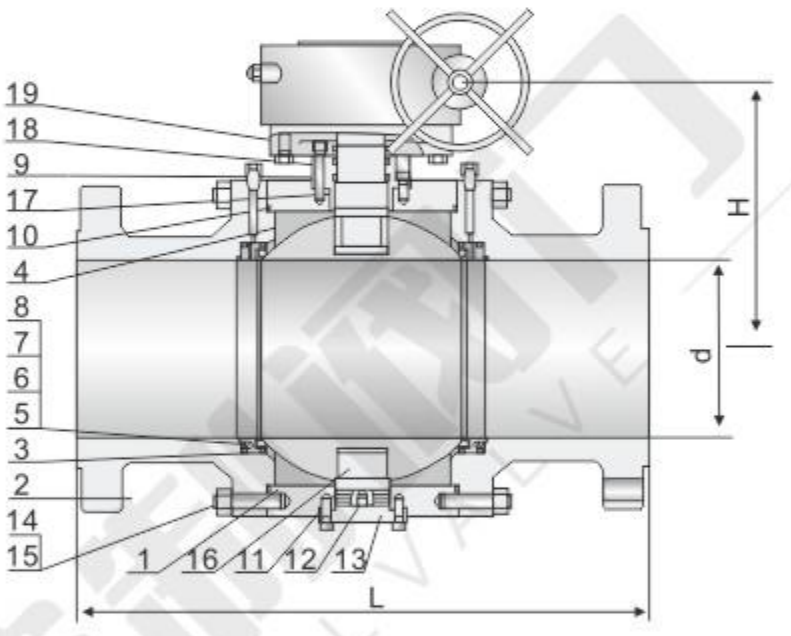
150磅/150Lb

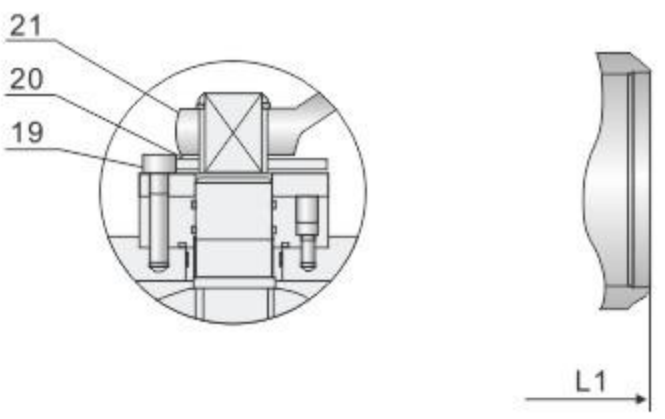
应用标准
球阀符合API 608/API 6D标准
球阀符合ISO 10434/ISO 14313标准
防火标志采用API 607 标准
防静电采用API 608标准
符合ASME B 16.34标准
结构长度符合ASME B 16.10标准
法兰尺寸符合ASME B 16.5/ASME B 16.47标准
对接焊符合ASME B 16.25标准
试验与检验符合API 598/API 6D标准

Applicable standards:
BALL VALVES，API 608/API 6D
BALL VALVES，ISO 10434/ISO 14313
FIRE DURABLE，API 607
ANTI STATIC，API 608
L VALVES，ASME B 16.34
FACE TO FACE，ASME B 16.10
END FLANGES，ASME B 16.5/ASME B 16.47
BUTTWELDING ENDS，ASM B 16.25
INSPECTION AND TEST，API 598/API 6D

设计描述
全通径设计
螺栓连接
固定结构
防脱阀杆
防火设计
静电装置
切断装置
ISO5211 固定盘
法兰/焊接端
蜗轮操作

Design description:
FULL PORT DESIGN
BB，BOLTED BONNET，SPLIT BODY
THREE PIEC BODY FOR 12〞& ABOVE
TRUNNION MOUNTED BALL TYPE
BLOW-OUT PROOF STEM
FIRE DURABLE CONSTRUCTION
ANTI STATIC DEVICE
STOPPER DEVICE
ISO5211 MOUNTING PAD
FLANGED OR BUTT WELDING ENDS
AVAILABLE WITH BG OPERATOR





各部件材质Materials of parts

序号 NO	零件名称 Part Name	ASTM材质 ASTM Material		
		碳钢Carbon Steel	18Cr-9Ni-2Mo	碳钢Carbon Steel
1	阀体Body	A216-WCB	A351-CF8M	A352-LCB
2	阀盖Bonnet	A216-WCB	A351-CF8M	A352-LCB
3	球Ball	A182-F304[1]	A182-F316	A182-F304[1]
4	阀杆Stem	A276-304	A276-316	A276-304
5	阀座Seat	A105+ENP	A182-F316	A350-LF2+ENP
6	阀座密封Seat Insert	Glass Filled PTFE		
7	弹簧阀座Seat Spring	A313-304	Inconel X-750	A313-304
8	阀座O型圈Seat O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
9	阀杆O型圈Stem O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
10	阀盖垫片Bonnet Gasket	石墨+304[2] Graphite+304[2]	石墨+316[2] Graphite+316[2]	石墨+304[2] Graphite+304[2]
11	阀盖O型圈Bonnet O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
12	静电弹簧Antistatic Spring	A313-304	A313-316	A313-304
13	底盖Grounding Plunger	A216-WCB	A182-F316	A182-F304
14	阀盖螺栓Bonnet Stud	A193-B7	A193-B8	A320-L7
15	阀盖螺母Bonnet Stud Nut	A194-2H	A194-8	A194-7
16	固定器Trunnion	A276-304	A276-316	A276-304
17	固定轴承Trunnion Bearing	304+PTFE	316+PTFE	304+PTFE
18	填料压板Gland Flange	A216-WCB	A351-CF8M	A352-LCB
19	填料压盖螺栓Gland Bolt	A193-B7	A193-B8	A193-B7
20	定位片Stop Plate	碳钢Carbon Steel	碳钢+ZnCarbon Steel+Zn	碳钢Carbon Steel
21	手柄Handle	碳钢Carbon Steel		

注释：1、A105+ENP 可选择的　Note:1).A105+ENP optional
2、缠绕石墨垫片　2).Spiral wound construction.

尺寸数据 Dimensions data

NPS / DN	2 / 50	2 1/2 / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	26 / 650	28 / 700	30 / 750	32 / 800	36 / 900	in / mm
ANSI Class 150Lb																			
L (RF)	7.00	7.50	8.00	9.00	15.50	18.00	21.00	24.00	27.00	30.00	34.00	36.00	42.00	45.00	49.00	51.00	54.00	60.00	in
	178	190	203	229	394	457	533	610	686	762	864	914	1067	1143	1245	1295	1372	1524	mm
L1 (BW)	8.50	9.50	11.12	12.00	18.00	20.50	22.00	25.00	30.00	33.00	36.00	39.00	45.00	49.00	53.00	55.00	60.00	68.00	in
	216	241	283	305	457	521	559	635	762	838	914	991	1143	1245	1346	1397	1524	1727	mm
H	7.00	7.50	8.25	9.25	20.88	24.62	25.62	30.75	31.00	36.25	38.25	43.38	45.25	50.75	55.12	64.12	70.88	80.75	in
	177	190	210	235	530	625	650	780	790	920	970	1100	1150	1290	1400	1630	1840	2050	mm
(d)	49	62	74	100	150	201	252	303	334	385	436	487	589	633	684	735	779	874	mm
W	14	16	20	20	24	24	24	24	32	32	32	32	32	32	32	32	32	32	in
	350	400	500	500	600	600	600	600	800	800	800	800	800	800	800	800	800	800	mm
WT (Kg)	15	19	27	38	81	140	160	205	260	390	510	750	1200	1400	1860	2100	2530	2970	RF
	13.5	15.5	24.5	32.5	76	132	147	182	241	370	495	726	1125	1250	1640	1930	2390	2760	BW

300磅/300Lb

应用标准
球阀符合API 608/API 6D标准
球阀符合ISO 10434/ISO 14313标准
防火标志采用API 607 标准
防静电采用API 608标准
符合ASME B 16.34标准
结构长度符合ASME B 16.10标准
法兰尺寸符合ASME B 16.5/ASME B 16.47标准
对接焊符合ASME B 16.25标准
试验与检验符合API 598/API 6D标准

Applicable standards:
BALL VALVES，API 608/API 6D
BALL VALVES，ISO 10434/ISO 14313
FIRE DURABLE，API 607
ANTI STATIC，API 608
VALVES，ASME B 16.34
FACE TO FACE，ASME B 16.10
END FLANGES，ASME B 16.5/ASME B 16.47
BUTTWELDING ENDS，ASM B 16.25
INSPECTION AND TEST，API 598/API 6D

设计描述
全通径设计
螺栓连接
固定结构
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防火设计
静电装置
切断装置
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Design description:
FULL PORT DESIGN
BB，BOLTED BONNET，SPLIT BODY
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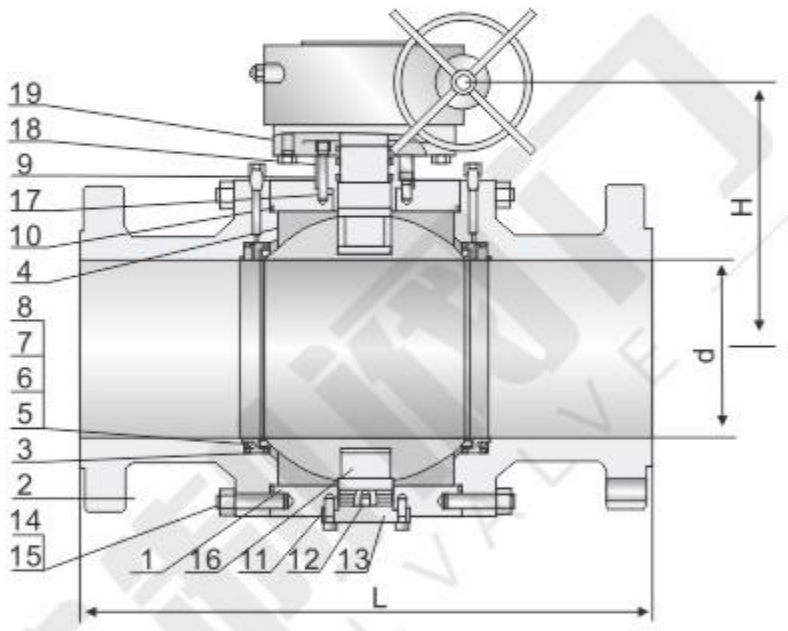
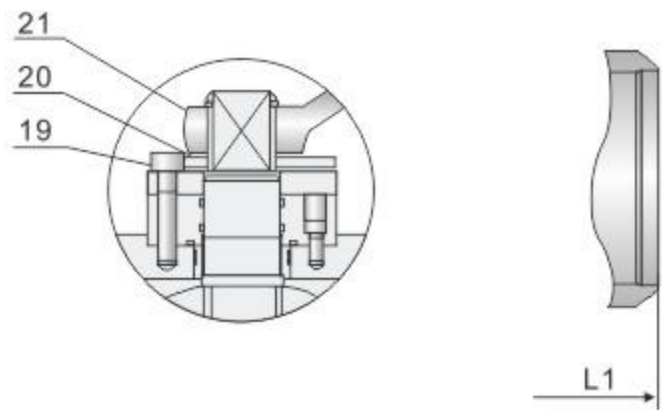


各部件材质Materials of parts

序号 NO	零件名称 Part Name	ASTM材质 ASTM Material		
		碳钢Carbon Steel	18Cr-9Ni-2Mo	碳钢Carbon Steel
1	阀体Body	A216-WCB	A351-CF8M	A352-LCB
2	阀盖Bonnet	A216-WCB	A351-CF8M	A352-LCB
3	球Ball	A182-F304[1]	A182-F316	A182-F304[1]
4	阀杆Stem	A276-304	A276-316	A276-304
5	阀座Seat	A105+ENP	A182-F316	A350-LF2+ENP
6	阀座密封Seat Insert	Glass Filled PTFE		
7	弹簧阀座Seat Spring	A313-304	Inconel X-750	A313-304
8	阀座O型圈Seat O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
9	阀杆O型圈Stem O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
10	阀盖垫片Bonnet Gasket	石墨+304[2] Graphite+304[2]	石墨+316[2] Graphite+316[2]	石墨+304[2] Graphite+304[2]
11	阀盖O型圈Bonnet O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
12	静电弹簧Antistatic Spring	A313-304	A313-316	A313-304
13	底盖Grounding Plunger	A216-WCB	A182-F316	A182-F304
14	阀盖螺栓Bonnet Stud	A193-B7	A193-B8	A320-L7
15	阀盖螺母Bonnet Stud Nut	A194-2H	A194-8	A194-7
16	固定器Trunnion	A276-304	A276-316	A276-304
17	固定轴承Trunnion Bearing	304+PTFE	316+PTFE	304+PTFE
18	填料压板Gland Flange	A216-WCB	A351-CF8M	A352-LCB
19	填料压盖螺栓Gland Bolt	A193-B7	A193-B8	A193-B7
20	定位片Stop Plate	碳钢Carbon Steel	碳钢+ZnCarbon Steel+Zn	碳钢Carbon Steel
21	手柄Handle	碳钢Carbon Steel		

注释：1、A105+ENP 可选择的　Note:1).A105+ENP optional
2、缠绕石墨垫片　2).Spiral wound construction.



尺寸数据 Dimensions data

NPS / DN	2 / 50	2 1/2 / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	26 / 650	28 / 700	30 / 750	32 / 800	in / mm
ANSI Class 300Lb																		
L (RF)	8.50	9.50	11.12	12.00	15.88	19.75	22.38	25.50	30.00	33.00	36.00	39.00	45.00	49.00	53.00	55.00	60.00	in
	216	241	283	3.5	403	502	568	648	762	838	914	991	1143	1245	1346	1397	1524	mm
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(d)	49	62	74	100	150	201	252	303	334	385	436	487	589	633	684	735	779	mm
W	14	16	20	20	24	24	24	24	32	32	32	32	32	32	32	32	32	in
	350	400	500	500	600	600	600	600	800	800	800	800	800	800	800	800	800	mm
WT (Kg)	19	24	34	48	101	175	200	255	325	485	635	935	1500	1750	2225	2450	2870	RF
	14	16	25	34	82	145	155	185	238	375	516	782	1280	1375	1825	2180	2260	BW

600磅/600Lb

应用标准
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球阀符合ISO 10434/ISO 14313标准
防火标志采用API 607 标准
防静电采用API 608标准
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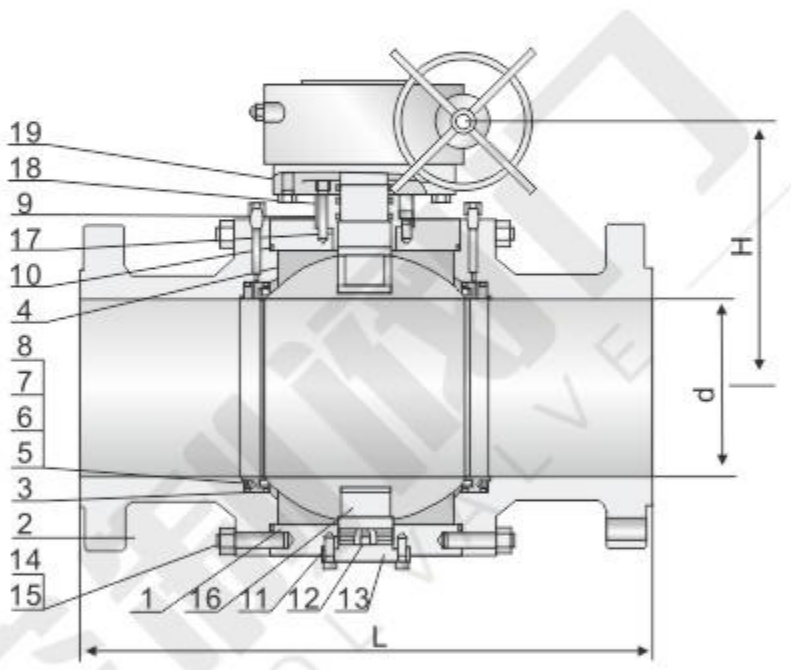

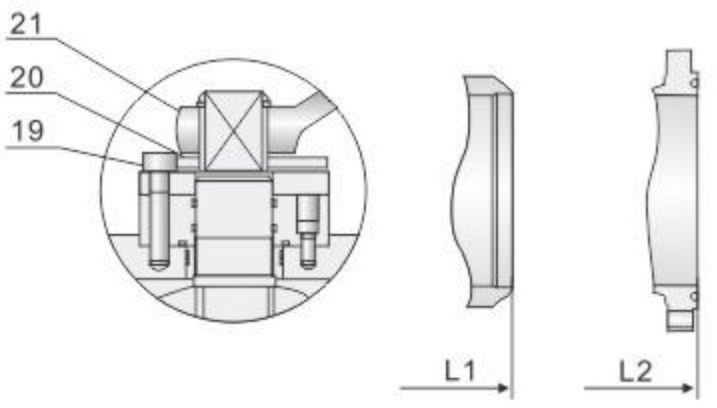

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4	阀杆Stem	A276-304	A276-316	A276-304
5	阀座Seat	A105+ENP	A182-F316	A350-LF2+ENP
6	阀座密封Seat Insert	Glass Filled PTFE		
7	弹簧阀座Seat Spring	A313-304	Inconel X-750	A313-304
8	阀座O型圈Seat O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
9	阀杆O型圈Stem O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
10	阀盖垫片Bonnet Gasket	石墨+304[2] Graphite+304[2]	石墨+316[2] Graphite+316[2]	石墨+304[2] Graphite+304[2]
11	阀盖O型圈Bonnet O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
12	静电弹簧Antistatic Spring	A313-304	A313-316	A313-304
13	底盖Grounding Plunger	A216-WCB	A182-F316	A182-F304
14	阀盖螺栓Bonnet Stud	A193-B7	A193-B8	A320-L7
15	阀盖螺母Bonnet Stud Nut	A194-2H	A194-8	A194-4
16	固定器Trunnion	A276-304	A276-316	A276-304
17	固定轴承Trunnion Bearing	304+PTFE	316+PTFE	304+PTFE
18	填料压板Gland Flange	A216-WCB	A351-CF8M	A352-LCB
19	填料压盖螺栓Gland Bolt	A193-B7	A193-B8	A193-B7
20	定位片Stop Plate	碳钢Carbon Steel	碳钢+ZnCarbon Steel+Zn	碳钢Carbon Steel
21	手柄Handle	碳钢Carbon Steel		

注释：1、A105+ENP 可选择的　Note:1).A105+ENP optional
2、缠绕石墨垫片　2).Spiral wound construction.

尺寸数据 Dimensions data

NPS / DN	2 / 50	2 1/2 / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	26 / 650	28 / 700	in / mm
ANSI Class 300Lb																
L (RF)	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	57.00	61.00	in
	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1549	mm
L1 (BW)	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	57.00	61.00	in
	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1549	mm
H	7.12	7.62	8.50	9.50	21.25	25.00	26.12	31.12	31.88	36.38	38.75	44.50	46.62	52.50	57.00	in
	180	193	215	241	540	635	665	790	810	925	985	1130	1185	1335	1450	mm
(d)	49	62	74	100	150	201	252	303	334	385	436	487	589	633	684	mm
W	14	16	20	20	24	24	24	24	32	32	32	32	32	32	32	in
	350	400	500	500	600	600	600	600	800	800	800	800	800	800	800	mm
WT (Kg)	26	35	58	81	142	287	540	780	1000	1300	1700	2100	3400	3800	4500	RF
	19	25	42	51	85	200	395	610	805	1010	1350	1656	2775	3125	3790	BW

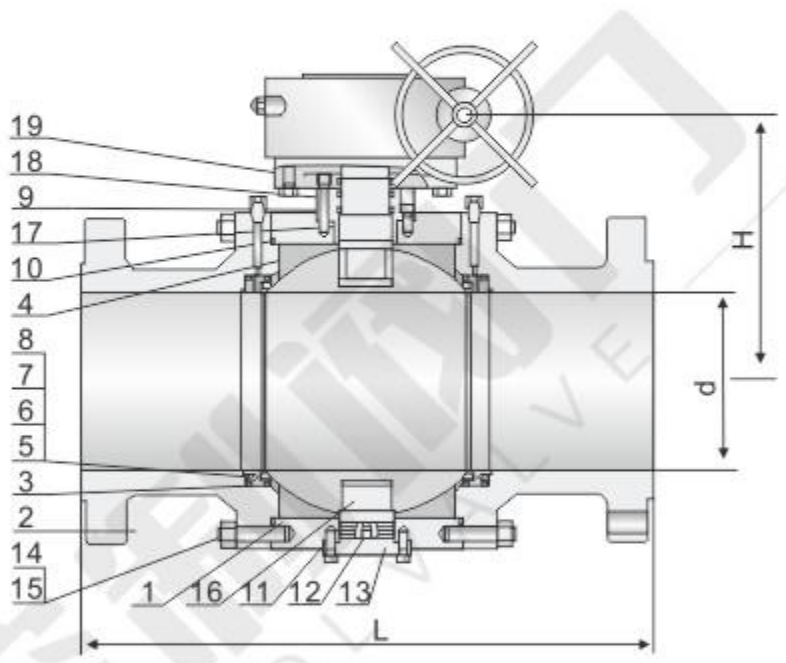
900磅/900Lb

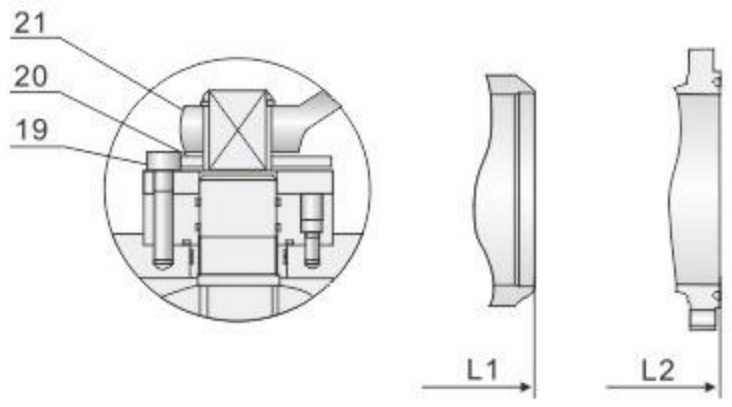
应用标准
球阀符合API 608/API 6D标准
球阀符合ISO 10434/ISO 14313标准
防火标志采用API 607 标准
防静电采用API 608标准
符合ASME B 16.34标准
结构长度符合ASME B 16.10标准
法兰尺寸符合ASME B 16.5标准
对接焊符合ASME B 16.25标准
试验与检验符合API 598/API 6D标准

设计描述
全通径设计
螺栓连接
固定结构
防脱阀杆
防火设计
静电装置
切断装置
ISO5211 固定盘
法兰/焊接端
蜗轮操作

Applicable standards:
BALL VALVES，API 608/API 6D
BALL VALVES，ISO 10434/ISO 14313
FIRE DURABLE，API 607
ANTI STATIC，API 608
VALVES，ASME B 16.34
FACE TO FACE，ASME B 16.10
END FLANGES，ASME B 16.5
BUTTWELDING ENDS，ASM B 16.25
INSPECTION AND TEST，API 598/API 6D

Design description:
FULL PORT DESIGN
BB，BOLTED BONNET，SPLIT BODY
THREE PIEC BODY FOR 12 " & ABOVE
TRUNNION MOUNTED BALL TYPE
BLOW-OUT PROOF STEM
FIRE DURABLE CONSTRUCTION
ANTI STATIC DEVICE
STOPPER DEVICE
ISO5211 MOUNTING PAD
FLANGED OR BUTT WELDING ENDS
AVAILABLE WITH BG OPERATOR





各部件材质Materials of parts

序号 NO	零件名称 Part Name	ASTM材质 ASTM Material		
		碳钢Carbon Steel	18Cr-9Ni-2Mo	碳钢Carbon Steel
1	阀体Body	A216-WCB	A351-CF8M	A352-LCB
2	阀盖Bonnet	A216-WCB	A351-CF8M	A352-LCB
3	球Ball	A182-F304[1]	A182-F316	A182-F304[1]
4	阀杆Stem	A276-304	A276-316	A276-304
5	阀座Seat	A105+ENP	A182-F316	A350-LF2+ENP
6	阀座密封Seat Insert	Glass Filled PTFE		
7	弹簧阀座Seat Spring	A313-304	Inconel X-750	A313-304
8	阀座O型圈Seat O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
9	阀杆O型圈Stem O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
10	阀盖垫片Bonnet Gasket	石墨+304[2] Graphite+304[2]	石墨+316[2] Graphite+316[2]	石墨+304[2] Graphite+304[2]
11	阀盖O型圈Bonnet O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
12	静电弹簧Antistatic Spring	A313-304	A313-316	A313-304
13	底盖Grounding Plunger	A216-WCB	A182-F316	A182-F304
14	阀盖螺栓Bonnet Stud	A193-B7	A193-B8	A320-L7
15	阀盖螺母Bonnet Stud Nut	A194-2H	A194-8	A194-7
16	固定器Trunnion	A276-304	A276-316	A276-304
17	固定轴承Trunnion Bearing	304+PTFE	316+PTFE	304+PTFE
18	填料压板Gland Flange	A216-WCB	A351-CF8M	A352-LCB
19	填料压盖螺栓Gland Bolt	A193-B7	A193-B8	A193-B7
20	定位片Stop Plate	碳钢Carbon Steel	碳钢+ZnCarbon Steel+Zn	碳钢Carbon Steel
21	手柄Handle	碳钢Carbon Steel		

注释：1、A105+ENP 可选择的　Note:1).A105+ENP optional
2、缠绕石墨垫片　2).Spiral wound construction.

尺寸数据 Dimensions data

NPS / DN	2 / 50	2 1/2 / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	in / mm
ANSI Class 900Lb														
L (RF)	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00	in
	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549	mm
L1 (BW)	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00	in
	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549	mm
H	8.62	9.25	10.25	15.38	25.75	30.25	31.75	38.00	38.50	45.00	47.00	53.50	56.00	in
	219	235	260	390	655	770	805	965	980	1145	1195	1360	1425	mm
(d)	49	62	74	100	150	201	252	303	322	373	423	471	570	mm
W	20	20	20	24	24	24	24	32	32	32	32	32	32	in
	500	500	500	600	600	600	600	800	800	800	800	800	800	mm
WT (Kg)	31	43	68	98	171	345	650	940	1205	1565	2050	2535	3950	RF
	23	31	51	61	102	240	480	735	965	1215	1625	1995	3335	BW

1500磅/1500Lb　　2500磅/2500Lb

应用标准
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球阀符合ISO 10434/ISO 14313标准
防火标志采用API 607 标准
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符合ASME B 16.34标准
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法兰尺寸符合ASME B 16.5标准
对接焊符合ASME B 16.25标准
试验与检验符合API 598/API 6D标准

Applicable standards:
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BALL VALVES，ISO 10434/ISO 14313
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全通径设计
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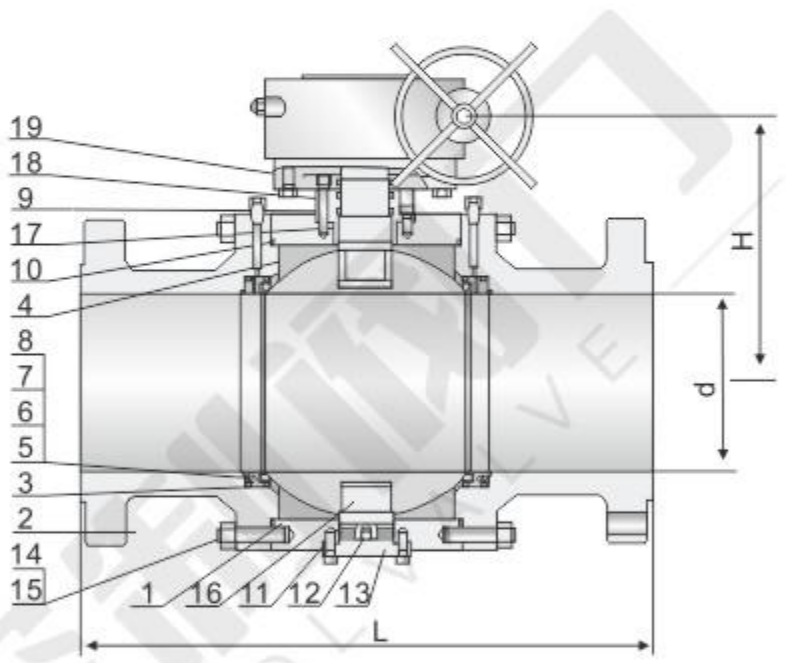

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7	弹簧阀座Seat Spring	A313-304	Inconel X-750	A313-304
8	阀座O型圈Seat O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
9	阀杆O型圈Stem O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
10	阀盖垫片Bonnet Gasket	石墨+304[2] Graphite+304[2]	石墨+316[2] Graphite+316[2]	石墨+304[2] Graphite+304[2]
11	阀盖O型圈Bonnet O-Ring	NBR	氟橡胶Viton	氟橡胶Viton
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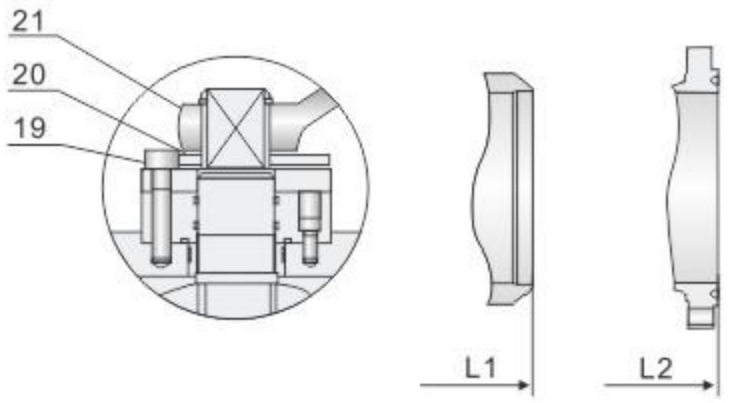
17	固定轴承Trunnion Bearing	304+PTFE	316+PTFE	304+PTFE
18	填料压板Gland Flange	A216-WCB	A351-CF8M	A352-LCB
19	填料压盖螺栓Gland Bolt	A193-B7	A193-B8	A193-B7
20	定位片Stop Plate	碳钢Carbon Steel	碳钢+ZnCarbon Steel+Zn	碳钢Carbon Steel
21	手柄Handle	碳钢Carbon Steel		



注释：1、A105+ENP 可选择的　　Note:1).A105+ENP optional
　　2、缠绕石墨垫片　　2).Spiral wound construction.

尺寸数据 Dimensions data

NPS / DN	2 / 50	2 1/2 / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	2 / 50	2 1/2 / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	in / mm
	ANSI Class 1500Lb										ANSI Class 2500Lb								
L/L1 (RF)/(BW)	14.50	16.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54.50	17.75	20.00	22.75	26.50	36.00	40.25	50.00	56.00	in
	368	419	470	546	705	832	991	1130	1257	1384	451	508	578	673	914	1022	1270	1422	mm
L2 (RTJ)	14.62	16.62	18.62	21.62	28.00	33.13	39.38	45.12	50.25	55.38	17.87	20.25	23.00	26.88	36.50	40.87	50.88	56.88	in
	371	422	473	549	711	842	1000	1146	1276	1407	454	514	584	683	927	1038	1292	1445	mm
H	11.25	12.00	13.25	20.00	33.50	39.38	41.12	49.38	50.00	58.50	12.00	12.88	14.25	21.25	35.88	42.12	44.00	53.00	in
	285	306	338	506	852	1000	1045	1255	1270	1485	304	327	362	540	911	1070	1120	1345	mm
(d)	49	62	74	100	144	192	239	287	315	360	42	52	62	87	131	179	223	265	mm
W	20	20	24	24	24	32	32	32	32	32	20	24	24	24	32	32	32	32	in
	500	500	600	600	600	800	800	800	800	800	500	600	600	600	800	800	800	800	mm
WT (Kg)	49	67	106	153	268	540	1020	1475	1885	2455	55	76	120	176	302	612	1150	1665	RF/RTJ
	33	44	73	87	145	345	685	1050	1385	1735	41	55	91	110	182	430	855	1315	BW