



以创新能力开创未来/凭一流设备铸造辉煌
Depend future on consistent innovation.
Create resplendence by first-class facility



Yongjia Transcend Flow Control Co., Ltd

Pu'er Industrial Zone, Oubei Town, Yongjia,
Wenzhou, Zhejiang, China, 325105

Tel: 0086 577 6796 6686 Fax: 0086 577 6796 6676

Website: www.tfcchina.com

Email: info@tfcchina.com

铸钢阀门系列 Cast Steel Valve Series



永嘉祺顺流体设备有限公司

Yongjia Transcend Flow Control Co., Ltd



生产装备 Production Equipment

以雄厚的技术力量、精良的设备、完善的工艺不断为顾客提供优质产品。

THE ABUNDANT TECHNICAL FORCE, EXCELLENT EQUIPMENT AND PERFECT TECHNOLOGY PROVIDE CUSTOMERS WITH QUALITY PRODUCTS CONSTANTLY.



采用高精度工艺，利用全面推行计算机辅助制造，确保质量、工效。应用数字技术进行直接对话式编程，实施钻、削、铣、磨等工艺对关键部件进行机械加工，确保极限精度。

High accuracy technology, carries out CAM roundly, and ensures the quality and work efficiency. It applies the digital technology to carry out the direct dialogue type programming, applies the techniques of bore, cutting, mill, abrade, etc., Carries out the machining for each parts of valves, and ensures the limit precision.

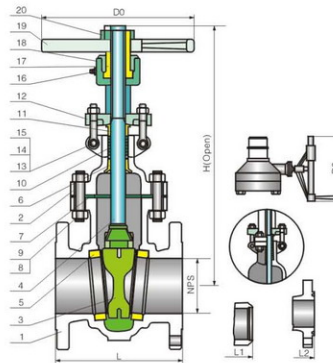


Contents 目录

Class 150Lb 铸钢闸阀/Cast Steel Gate Valve.....	01
Class 300Lb 铸钢闸阀/Cast Steel Gate Valve.....	02
Class 600Lb 铸钢闸阀/Cast Steel Gate Valve.....	03
Class 900Lb 铸钢闸阀/Cast Steel Gate Valve.....	04
Class 1500Lb 铸钢闸阀/Cast Steel Gate Valve.....	05
Class 1500Lb 压力自密封铸钢闸阀/Cast steel gate valve (pressure seal).....	06
Class 2500Lb 压力自密封铸钢闸阀/Cast steel gate valve (pressure seal).....	07
Class 150Lb 铸钢截止阀/Cast Steel Globe Valve.....	08
Class 300Lb 铸钢截止阀/Cast Steel Globe Valve.....	09
Class 600Lb 铸钢截止阀/Cast Steel Globe Valve.....	10
Class 900Lb 铸钢截止阀/Cast Steel Globe Valve.....	11
Class 1500Lb 铸钢截止阀/Cast Steel Globe Valve.....	12
Class 900Lb 铸钢截止阀(压力自密封)/Cast Steel Globe Valve (pressure seal).....	13
Class 1500Lb 铸钢截止阀(压力自密封)/Cast Steel Globe Valve (pressure seal).....	14
Class 150Lb 铸钢止回阀/Cast Steel Check Valve.....	15
Class 300Lb 铸钢止回阀/Cast Steel Check Valve.....	16
Class 600Lb 铸钢止回阀/Cast Steel Check Valve.....	17
Class 900Lb 铸钢止回阀/Cast Steel Check Valve.....	18
Class 1500Lb 铸钢止回阀/Cast Steel Check Valve.....	19
Class 900Lb 铸钢旋启式止回阀(压力密封)/Cast Steel Swing Check Valve(Pressure seal).....	20
Class 1500Lb 铸钢旋启式止回阀(压力密封)/Cast Steel Swing Check Valve(Pressure seal).....	21
Class 150Lb 美标法兰尺寸/ANSI Flange Dimensions.....	22
Class 300Lb 美标法兰尺寸/ANSI Flange Dimensions.....	23
Class 600Lb 美标法兰尺寸/ANSI Flange Dimensions.....	24
Class 900Lb 美标法兰尺寸/ANSI Flange Dimensions.....	25
Class 1500Lb 美标法兰尺寸/ANSI Flange Dimensions.....	26
Class 150-300-600Lb 美标(MSS SP-44)法兰尺寸ANSI Flange Dimensions.....	27

Class 150Lb

铸钢闸阀/Cast Steel Gate Valve



各部件材质 Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	闸板 Wedge	A216-WCB+CR13
4	闸杆 Stem	A182-F6a
5	阀座 Seat ring	A105+CR13
6	上密封座 Stem backseat	A276-420
7	密封垫 Bonnet gasket	SS 304+石墨(Graphite)
8	阀盖螺栓 Bonnet stud	A193-B7
9	阀盖螺母 Bonnet stud nut	A194-2H
10	填料 Packing	石墨(Graphite)
11	填料压套 Gland	A276-420
12	填料压板 Gland flange	A216-WCB
13	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
14	活结螺栓 Eyebolt	A193-B7
15	活结螺母 Eyebolt nut	A194-2H
16	油杯 Grease fitting	铜合金(Copper alloy)
17	闸杆螺母 Yokesleeve	A439-D2
18	轴承压盖 Yokesleeve jam nut	ANSI 1025
19	手轮 Handwheel	ASEM A395
20	手轮螺母 Handwheel nut	ANSI 1025

应用标准/Applicable standards

铸造闸阀符合API 600/API 6D标准	Steel gate valves: API 600/API 6D
铸造闸阀符合ISO 10434	Steel gate valves: ISO 10434
铸钢阀门符合ASME B16.34标准	Steel valves: ASME B16.34
结构长度符合ASME B16.10标准	Face to face: ASME B16.10
法兰尺寸符合ASME B 16.5标准	End flanges: ASME B16.5
对接焊符合ASME B 16.25标准	Butt welding ends: ASME B16.25
试验与检验符合API 598/API 6D标准	Inspection and test: API 598/API 6D

设计描述/Design description

全通径设计	Full port design
明杆支架	OS & Y. Outside screw and yoke
螺栓连接	BB. Bolted bonnet
弹性闸阀, 带导向	Flexible wedge, fully guided
实心或裂开式闸板	Choice of solid or split wedge
铸造T型闸杆	Forged T-head stem
非升降式手轮	Non-rising handwheel

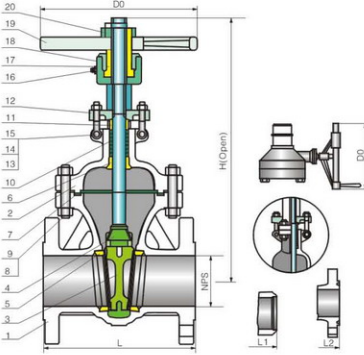
尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
L1	mm	51	64	76	102	127	152	203	254	305	337	387	438	489	591
(BW)	in	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00	15.00	16.00	17.00	18.00	20.00
	mm	178	190	203	229	254	267	292	330	356	381	406	432	457	508
(RF)	in	8.50	9.50	11.14	12.0	15.00	15.88	16.50	18.00	19.76	22.50	24.00	26.300	28.00	32.00
	mm	216	241	283	305	381	403	419	457	502	572	610	660	711	813
(L2)	in	7.50	8.00	8.50	9.50	10.50	11.00	12.00	13.50	14.50	15.50	16.50	17.50	18.50	20.50
(RTJ)	mm	191	203	216	241	267	279	305	343	368	394	419	445	470	521
H	in	15.20	17.3	19.02	23.11	26.50	30.20	37.60	45.12	52.28	59.80	67.76	74.80	83.31	97.64
	mm	386	435	483	587	673	767	955	1146	1328	1519	1721	1900	2116	2480
D0	in	7.87	7.87	9.84	9.84	118.1	11.81	13.78	17.72	19.68	18.11	18.11	18.11	24.02	24.02
	mm	200	200	250	250	300	300	350	450	500	460*	460*	460*	610*	610*
WT	RF/RTJ	20	30	40	53	71	85	136	220	323	387	553	660	810	1250
(Kg)	BW	17	26	29	46	66	77	116	202	294	350	506	575	720	1130

* Manual gear operator is recommended

各部件材质 Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	闸板 Wedge	A216-WCB+CR13
4	闸杆 Stem	A182-F6a
5	阀座 Seat ring	A105+CR13
6	上密封座 Stem backseat	A276-420
7	密封垫 Bonnet gasket	SS 304+石墨(Graphite)
8	阀盖螺栓 Bonnet stud	A193-B7
9	阀盖螺母 Bonnet stud nut	A194-2H
10	填料 Packing	石墨(Graphite)
11	填料压套 Gland	A276-420
12	填料压板 Gland flange	A216-WCB
13	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
14	活结螺栓 Eyebolt	A193-B7
15	活结螺母 Eyebolt nut	A194-2H
16	油杯 Grease fitting	铜合金(Copper alloy)
17	闸杆螺母 Yokesleeve	A439-D2
18	轴承压盖 Yokesleeve jam nut	ANSI 1025
19	手轮 Handwheel	ASEM A395
20	手轮螺母 Handwheel nut	ANSI 1025



应用标准/Applicable standards

铸钢闸阀符合API 600/API 6D标准
Steel gate valves: API 600/API 6D
铸钢闸阀符合ISO 10434
Steel gate valves: ISO 10434
铸钢闸阀符合ASME B16.34标准
Steel valves: ASME B16.34
结构长度符合ASME B16.10标准
Face to face: ASME B16.10
法兰尺寸符合ASME B16.5标准
End flanges: ASME B16.5
对接焊符合ASME B 16.25标准
Butt welding ends: ASME B16.25
试验与检验符合API 598/API 6D标准
Inspection and test: API 598/API 6D

设计描述/Design description

全通径设计
Full port design
明杆支架
OS & Y, Outside screw and yoke
螺栓连接
BB, Bolted bonnet
弹性闸板, 带导向
Flexible wedge, fully guided
实心或裂开式闸板
Choice of solid or split wedge
锻造T型闸杆
Forged T-head stem
非升降式手轮
Non-rising handwheel

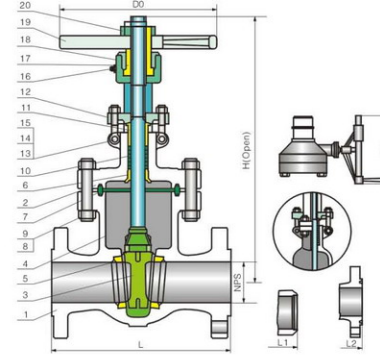
尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20
	mm	51	64	76	102	127	152	203	254	305	337	387	432	483
L-L1 (RF-BW)	in	8.50	9.50	11.12	12.00	15.00	15.88	16.50	18.00	19.75	30.00	33.0	36.00	39.00
	mm	216	241	283	305	381	403	419	457	502	762	838	914	991
L2 (RTJ)	in	3.12	10.12	11.74	12.62	15.62	16.50	17.12	18.62	20.37	30.62	33.62	36.62	39.75
	mm	232	257	298	321	397	419	435	473	518	778	854	930	1010
H (Open)	in	16.42	18.11	20.71	25.59	27.32	32.44	38.86	46.93	56.34	61.38	69.21	76.46	84.45
	mm	417	460	526	650	694	824	987	1192	1431	1559	1758	1942	2145
D0	in	7.87	9.84	9.84	9.84	11.81	13.78	17.72	19.69	22.05	18.11	18.11	24.02	24.02
	mm	200	250	250	250	300	350	450	500	560	460*	460*	610*	610*
WT (Kg)	RF/RTJ	30	39	55	83	92	137	240	333	536	699	1010	1205	1720
	BW	26	34	47	68	77	118	195	271	432	595	848	1025	1460

* Manual gear operator is recommended

各部件材质 Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	闸板 Wedge	A216-WCB+CR13
4	闸杆 Stem	A182-F6a
5	阀座 Seat ring	A105+CR13
6	上密封座 Stem backseat	A276-420
7	密封垫 Bonnet gasket	软铁(Soft iron)
8	阀盖螺栓 Bonnet stud	A193-B7
9	阀盖螺母 Bonnet stud nut	A194-2H
10	填料 Packing	石墨(Graphite)
11	填料压套 Gland	A276-420
12	填料压板 Gland flange	A216-WCB
13	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
14	活结螺栓 Eyebolt	A193-B7
15	活结螺母 Eyebolt nut	A194-2H
16	油杯 Grease fitting	铜合金(Copper alloy)
17	闸杆螺母 Yokesleeve	A439-D2
18	轴承压盖 Yokesleeve jam nut	ANSI 1025
19	手轮 Handwheel	ASEM A395
20	手轮螺母 Handwheel nut	ANSI 1025



应用标准/Applicable standards

铸钢闸阀符合API 600/API 6D标准
Steel gate valves: API 600/API 6D
铸钢闸阀符合ISO 10434
Steel gate valves: ISO 10434
铸钢闸阀符合ASME B16.34标准
Steel valves: ASME B16.34
结构长度符合ASME B16.10标准
Face to face: ASME B16.10
法兰尺寸符合ASME B16.5标准
End flanges: ASME B16.5
对接焊符合ASME B 16.25标准
Butt welding ends: ASME B16.25
试验与检验符合API 598/API 6D标准
Inspection and test: API 598/API 6D

设计描述/Design description

全通径设计
Full port design
明杆支架
OS & Y, Outside screw and yoke
螺栓连接
BB, Bolted bonnet
弹性闸板, 带导向
Flexible wedge, fully guided
实心或裂开式闸板
Choice of solid or split wedge
锻造T型闸杆
Forged T-head stem
非升降式手轮
Non-rising handwheel

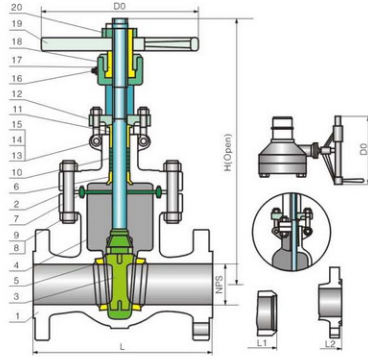
尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	6	8	10	12	14	16	18	20
	mm	51	64	76	102	152	200	248	298	327	375	419	464
L-L1 (RF-BW)	in	11.50	130	14.00	17.00	22.0	26.00	31.00	33.00	35.00	39.00	43.00	47.00
	mm	292	330	356	432	559	660	787	838	889	991	1092	1194
L2 (RTJ)	in	11.62	13.12	14.12	17.12	22.12	26.12	31.12	33.12	35.12	39.12	43.12	47.25
	mm	295	333	359	435	562	664	791	841	892	994	1095	1200
H (Open)	in	16.81	18.62	21.18	25.87	34.33	43.35	50.35	58.50	64.69	70.79	82.72	88.94
	mm	427	473	538	657	872	1101	1279	1486	1643	1798	2101	2259
DO	in	9.84	9.84	11.81	13.78	19.69	22.05	28.35	24.02	24.02	24.02	24.02	29.92
	mm	250	250	300	350	500	560	720	610*	610*	610*	610*	760*
WT (Kg)	RF/RTJ	41	58	88	131	253	413	623	784	1288	1820	2150	2540
	BW	35	50	68	104	208	328	496	637	1120	1448	1828	2201

* Manual gear operator is recommended

各部件材质 Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	闸板 Wedge	A216-WCB+CR13
4	闸杆 Stem	A182-F6a
5	阀座 Seat ring	A105+CR13
6	上密封座 Stem backseat	A276-420
7	密封垫 Bonnet gasket	软铁(Soft iron)
8	阀盖螺栓 Bonnet stud	A193-B7
9	阀盖螺母 Bonnet stud nut	A194-2H
10	填料 Packing	石墨(Graphite)
11	填料压套 Gland	A276-420
12	填料压板 Gland flange	A216-WCB
13	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
14	活结螺栓 Eyebolt	A193-B7
15	活结螺母 Eyebolt nut	A194-2H
16	油杯 Grease fitting	铜合金(Copper alloy)
17	闸杆螺母 Yokesleeve	A439-D2
18	轴承压盖 Yokesleeve jam nut	ANSI 1025
19	手轮 Handwheel	ASEM A395
20	手轮螺母 Handwheel nut	ANSI 1025



应用标准/Applicable standards

铸造闸阀符合API 600/API 6D标准	Steel gate valves: API 600/API 6D
铸造闸阀符合ISO 10434	Steel gate valves: ISO 10434
铸钢闸板符合ASME B16.34标准	Steel valves: ASME B16.34
结构长度符合ASME B16.10标准	Face to face: ASME B16.10
法兰尺寸符合ASME B16.5标准	End flanges: ASME B16.5
对接焊符合ASME B16.25标准	Butt welding ends: ASME B16.25
试验与检验符合API 598/API 6D标准	Inspection and test: API 598/API 6D

设计描述/Design description

全通径设计	Full port design
明杆支架	OS & Y, Outside screw and yoke
螺栓连接	BB, Bolted bonnet
弹性闸板, 带导向	Flexible wedge, fully guided
实心或裂开式闸板	Choice of solid or split wedge
锻造T型闸杆	Forged T-head stem
非升降式手轮	Non-rising handwheel

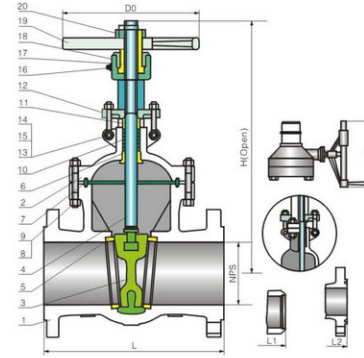
尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	6	8	10	12	14	16
	mm	47	57	73	98	146	190	238	282	311	356
L-L1 (RF-BW)	in	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50
	mm	368	419	381	457	610	737	838	965	1029	1130
L2 (RTJ)	in	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88
	mm	371	422	384	460	613	740	841	968	1038	1140
H (Open)	in	21.54	27.56	25.51	28.70	40.98	49.61	62.60	70.67	79.72	85.43
	mm	547	700	648	729	1041	1260	1590	1795	2025	2170
D0	in	11.81	13.78	15.75	17.72	22.5	18.11	24.02	24.02	29.92	29.92
	mm	300	350	400	450	560	460*	610*	610*	760*	760*
WT (Kg)	RF/RTJ	90	110	123	148	420	650	1160	1700	2300	2750
	BW	82	93	108	122	359	566	980	1450	2000	2390

* Manual gear operator is recommended

各部件材质 Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	闸板 Wedge	A216-WCB+CR13
4	闸杆 Stem	A182-F6a
5	阀座 Seat ring	A105+CR13
6	上密封座 Stem backseat	A276-420
7	密封垫 Bonnet gasket	软铁(Soft iron)
8	阀盖螺栓 Bonnet stud	A193-B7
9	阀盖螺母 Bonnet stud nut	A194-2H
10	填料 Packing	石墨(Graphite)
11	填料压套 Gland	A276-420
12	填料压板 Gland flange	A216-WCB
13	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
14	活结螺栓 Eyebolt	A193-B7
15	活结螺母 Eyebolt nut	A194-2H
16	油杯 Grease fitting	铜合金(Copper alloy)
17	闸杆螺母 Yokesleeve	A439-D2
18	轴承压盖 Yokesleeve jam nut	ANSI 1025
19	手轮 Handwheel	ASEM A395
20	手轮螺母 Handwheel nut	ANSI 1025



应用标准/Applicable standards

铸造闸阀符合API 600/API 6D标准	Steel gate valves: API 600/API 6D
铸造闸阀符合ISO 10434	Steel gate valves: ISO 10434
铸钢闸板符合ASME B16.34标准	Steel valves: ASME B16.34
结构长度符合ASME B16.10标准	Face to face: ASME B16.10
法兰尺寸符合ASME B16.5标准	End flanges: ASME B16.5
对接焊符合ASME B16.25标准	Butt welding ends: ASME B16.25
试验与检验符合API 598/API 6D标准	Inspection and test: API 598/API 6D

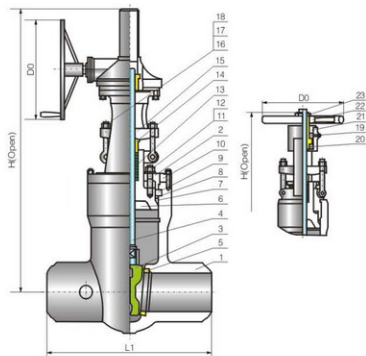
设计描述/Design description

全通径设计	Full port design
明杆支架	OS & Y, Outside screw and yoke
螺栓连接	BB, Bolted bonnet
弹性闸板, 带导向	Flexible wedge, fully guided
实心或裂开式闸板	Choice of solid or split wedge
锻造T型闸杆	Forged T-head stem
非升降式手轮	Non-rising handwheel

尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	6	8	10	12	14	16
	mm	47	57	70	92	136	178	222	263	289	330
L-L1 (RF-BW)	in	14.50	16.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54.50
	mm	368	419	470	546	705	832	991	1130	1257	1384
L2 (RTJ)	in	14.62	16.62	18.62	21.62	30.00	33.13	39.38	45.12	50.25	55.38
	mm	371	422	473	549	711	841	1000	1146	1276	1407
H (Open)	in	22.60	27.56	31.73	34.92	42.48	53.94	59.84	65.00	76.57	88.58
	mm	574	700	806	887	1079	1370	1520	1651	1945	2250
D0	in	13.78	15.75	17.72	22.05	12.01	24.02	29.92	29.92	29.92	29.92
	mm	350	400	450	560	305*	610*	760*	760*	760*	760*
WT (Kg)	RF/RTJ	117	175	240	337	680	1228	3260	4100	4100	5960
	BW	93	144	185	285	584	978	2850	3320	3320	4890

* Manual gear operator is recommended



各部件材质 Materials of parts

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	A216-WCB
2	支架 Yoke	A216-WCB
3	闸板 Wedge	A216-WCB+HF
4	闸杆 Stem	A182-F6a
5	阀座 Seat ring	A105+HF
6	阀盖 Bonnet	A105
7	密封垫 Bonnet gasket	SS 304
8	调节环 Adapter ring	碳钢(Carbon steel)
9	四开环 Retainer	13 Cr
10	压板 Yoke cap	碳钢(Carbon steel)
11	阀盖螺栓 Bonnet stud	A193-B7
12	阀盖螺母 Bonnet stud nut	A194-2H
13	填料 Packing	石墨(Graphite)
14	填料压套 Gland	A276-420
15	填料压板 Gland flange	A216-WCB
16	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
17	活结螺栓 Eyebolt	A193-B7
18	活结螺母 Eyebolt nut	A194-2H
19	油杯 Grease fitting	铜合金(Copper alloy)
20	闸杆螺母 Yokesleeve	A439-D2
21	轴承压盖 Yokesleeve jam nut	碳钢(Carbon steel)
22	手轮 Handwheel	ASEM A395
23	手轮螺母 Handwheel nut	ANSI 1025

应用标准/Applicable standards

铸钢闸阀符合 API 600/API 6D 标准
Steel gate valves: API 600/API 6D
铸钢闸阀符合 ISO 10434
Steel gate valves: ISO 10434
铸钢阀门符合 ASME B16.34 标准
Steel valves: ASME B16.34
结构长度符合 ASME B16.10 标准
Face to face: ASME B16.10
法兰尺寸符合 ASME B16.5 标准
End flanges: ASME B16.5
对接焊符合 ASME B 16.25 标准
Butt welding ends: ASME B16.25
试验与检验符合 API 598/API 6D 标准
Inspection and test: API 598/API 6D

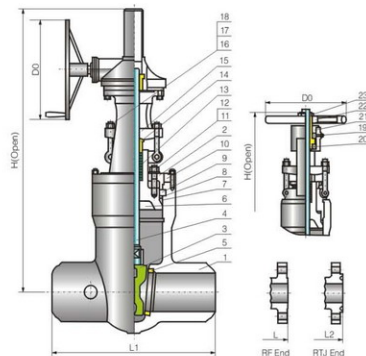
设计描述/Design description

压力密封上盖
Pressure seal cover
弹性闸板
Flexible gate
铸造 T 型闸杆
Casting T-stem
非开降式手轮
Non-lift-style hand wheel
法兰或对焊形式
Flanged or welded form
手轮或伞齿轮操作
Hand wheel or bevel gear operation

尺寸数据/Dimensions data

NPS DN	in mm	2	2 1/2	3	4	6	8	10	12	14	16
L1 (BW)	in mm	8.50 216	10.00 254	12.00 305	16.00 406	22.00 559	28.00 711	34.00 864	39.00 991	42.00 1067	47.00 1194
L (RF)	in mm	14.50 368	16.50 419	18.50 470	21.50 546	27.75 705	32.75 832	39.00 991	44.50 1130	49.50 1257	54.50 1384
L2 (RTJ)	in mm	15.50 371	16.62 422	18.62 473	21.62 549	28.00 711	33.12 841	39.38 1000	45.12 1146	50.25 1276	55.38 1407
H (Open)	in mm	17.62 448	17.62 448	21.62 550	25.25 640	33.5 840	38.62 980	46.5 1180	62.25 1580	70.5 1790	78 1980
D0	in mm	14 280	14 300	14 350	18 400	24 500	28 460	34 600	34 600	34 600	34 600
WT (Kg)	RF/RTJ BW	45 80	45 80	55 95	77 123	175 283	323 481	540 795	795 1148	1115 1626	1556 2195

* Manual gear operator is recommended



各部件材质 Materials of parts

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	A216-WCB
2	支架 Yoke	A216-WCB
3	闸板 Wedge	A216-WCB+HF
4	闸杆 Stem	A182-F6a
5	阀座 Seat ring	A105+HF
6	阀盖 Bonnet	A105
7	密封垫 Bonnet gasket	SS 304
8	调节环 Adapter ring	碳钢(Carbon steel)
9	四开环 Retainer	13 Cr
10	压板 Yoke cap	碳钢 Carbon steel
11	阀盖螺栓 Bonnet stud	A193-B7
12	阀盖螺母 Bonnet stud nut	A194-2H
13	填料 Packing	石墨(Graphite)
14	填料压套 Gland	A276-420
15	填料压板 Gland flange	A216-WCB
16	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
17	活结螺栓 Eyebolt	A193-B7
18	活结螺母 Eyebolt nut	A194-2H
19	油杯 Grease fitting	铜合金(Copper alloy)
20	闸杆螺母 Yokesleeve	A439-D2
21	轴承压盖 Yokesleeve jam nut	碳钢(Carbon steel)
22	手轮 Handwheel	ASEM A395
23	手轮螺母 Handwheel nut	ANSI 1025

应用标准/Applicable standards

铸钢闸阀符合 API 600/API 6D 标准
Steel gate valves: API 600/API 6D
铸钢闸阀符合 ISO 10434
Steel gate valves: ISO 10434
铸钢阀门符合 ASME B16.34 标准
Steel valves: ASME B16.34
结构长度符合 ASME B16.10 标准
Face to face: ASME B16.10
法兰尺寸符合 ASME B16.5 标准
End flanges: ASME B16.5
对接焊符合 ASME B 16.25 标准
Butt welding ends: ASME B16.25
试验与检验符合 API 598/API 6D 标准
Inspection and test: API 598/API 6D

设计描述/Design description

压力密封上盖
Pressure seal cover
弹性闸板
Flexible gate
铸造 T 型闸杆
Casting T-stem
非开降式手轮
Non-lift-style hand wheel
法兰或对焊形式
Flanged or welded form
手轮或伞齿轮操作
Hand wheel or bevel gear operation

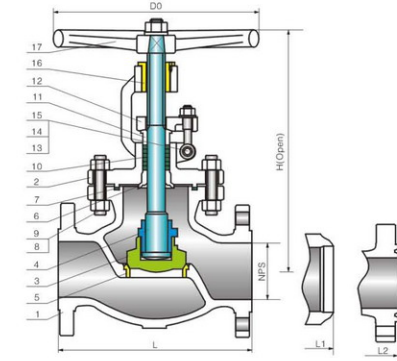
尺寸数据/Dimensions data

NPS DN	in mm	2	2 1/2	3	4	6	8	10	12
L1 (BW)	in mm	11.00 279	13.00 330	14.50 368	18.00 457	24.00 610	30.00 762	36.00 914	41.00 1041
L (RF)	in mm	17.75 451	20.00 508	22.75 578	26.50 673	36.00 914	40.25 1022	50.00 1270	56.00 1422
L2 (RTJ)	in mm	17.88 454	20.50 514	23.00 584	26.88 683	36.50 927	40.88 1038	50.88 1292	56.88 1445
H (Open)	in mm	22.5 570	22.5 570	25.62 650	30 760	36.62 930	41.38 1050	44.88 1140	60.25 1530
D0	in mm	14 280	14 300	18 350	24 400	28 460	34 460	34 600	34 600
WT (Kg)	RF/RTJ BW	110 165	110 195	150 235	176 316	380 635	575 910	980 1780	1570 2680

* Manual gear operator is recommended

各部件材质/Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	阀瓣 Disc	A105+Cr13
4	阀杆 Stem	A182-F6a
5	阀座 Seat ring	WCB+Cr13
6	上密封阀座 Stem backseat	A276-420
7	阀盖垫片 Bonnet gasket	SS 304+石墨(Graphite)
8	阀盖螺栓 Bonnet stud	A193-B7
9	阀盖螺母 Bonnet stud nut	A194-2H
10	填料 Packing	石墨(Graphite)
11	填料压套 Gland	A276-420
12	填料压板 Gland flange	A216-WCB
13	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
14	活结螺栓 Eyebolt	A193-B7
15	活结螺母 Eyebolt nut	A194-2H
16	阀杆螺母 Yokesleeve	A439-D2
17	手轮 Handwheel	ASEM A395



应用标准/Applicable standards

铸钢截止阀符合 BS 1873
铸钢阀门符合 ASME B 16.34 标准
结构长度符合 ASME 16.10 标准
法兰尺寸符合 ASME 16.5 标准
对接焊符合 ASME 16.25 标准
试验与检验符合 API 598 标准

Steel globe valves: BS 1873
Steel valves: ASME B 16.34
Face to face: ASME B 16.10
End flanges: ASME B 16.5
Butt welding ends: ASME B 16.25
Inspection and test: API 598

设计描述/Design description

直通式阀体设计
明杆支架
螺栓连接
升降式阀杆和手轮
活动性阀瓣，旋塞/球形

Straight pattern body design
OS & Y, Outside screw and yoke
BB, Bolted bonnet
Rising stem and handwheel
Loose disc, choice of plug or ball

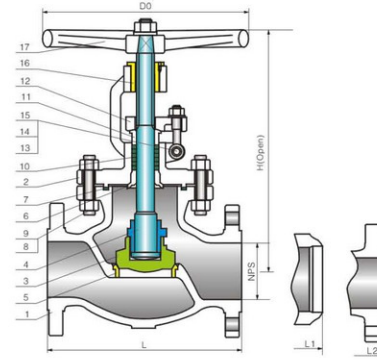
尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	5	6	8	10*	12*	14*	16*
	mm	51	64	76	102	127	152	203	254	305	337	387
L-L1 (RF-BW)	in	8.00	8.50	9.50	11.50	14.00	16.00	19.50	24.50	27.50	31.00	36.00
	mm	203	216	241	292	356	406	495	622	698	787	914
L2 (RTJ)	in	8.50	9.00	10.00	12.00	14.50	16.50	20.00	25.00	28.00	31.50	36.50
	mm	216	229	254	305	368	419	508	635	711	800	927
H (Open)	in	13.43	14.45	14.76	19.02	21.14	20.35	23.23	29.69	37.05	42.72	38.03
	mm	341	367	375	483	537	517	590	754	941	1085	966
D0	in	7.87	9.84	9.84	11.81	11.81	13.78	15.75	17.72	25.20	25.20	18.11
	mm	200	250	250	300	300	350	400	450	640	640	700
WT (Kg)	R F	22	29	42	64	77	105	154	288	507	617	810
	B W	19	25	34	49	65	82	131	249	430	580	763

注：*表示介质流向是高进低出。(Note: show the medium flow is high into low out)

各部件材质/Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	阀瓣 Disc	A105+Cr13
4	阀杆 Stem	A182-F6a
5	阀座 Seat ring	WCB+Cr13
6	上密封阀座 Stem backseat	A276-420
7	阀盖垫片 Bonnet gasket	SS 304+石墨(Graphite)
8	阀盖螺栓 Bonnet stud	A193-B7
9	阀盖螺母 Bonnet stud nut	A194-2H
10	填料 Packing	石墨(Graphite)
11	填料压套 Gland	A276-420
12	填料压板 Gland flange	A216-WCB
13	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
14	活结螺栓 Eyebolt	A193-B7
15	活结螺母 Eyebolt nut	A194-2H
16	阀杆螺母 Yokesleeve	A439-D2
17	手轮 Handwheel	ASEM A395



应用标准/Applicable standards

铸钢截止阀符合 BS 1873
铸钢阀门符合 ASME B 16.34 标准
结构长度符合 ASME 16.10 标准
法兰尺寸符合 ASME 16.5 标准
对接焊符合 ASME 16.25 标准
试验与检验符合 API 598 标准

Steel globe valves: BS 1873
Steel valves: ASME B 16.34
Face to face: ASME B 16.10
End flanges: ASME B 16.5
Butt welding ends: ASME B 16.25
Inspection and test: API 598

设计描述/Design description

直通式阀体设计
明杆支架
螺栓连接
升降式阀杆和手轮
活动性阀瓣，旋塞/球形

Straight pattern body design
OS & Y, Outside screw and yoke
BB, Bolted bonnet
Rising stem and handwheel
Loose disc, choice of plug or ball

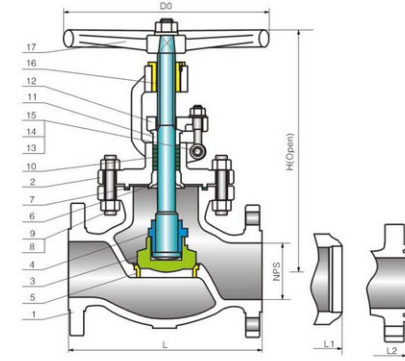
尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	5	6*	8*	10*	12*
	mm	51	64	76	102	127	152	203	254	305
L-L1 (RF-BW)	in	10.50	11.50	12.50	14.00	15.75	17.50	22.00	24.50	28.00
	mm	267	292	318	356	400	444	559	622	711
L2 (RTJ)	in	11.12	12.12	13.12	14.62	16.37	18.12	22.62	25.12	28.62
	mm	283	308	333	371	416	460	575	638	727
H (Open)	in	13.74	14.80	16.93	19.13	22.05	24.33	36.89	37.36	39.17
	mm	349	376	430	486	560	618	937	949	995
D0	in	7.87	9-84	9.84	13.78	15.75	17.72	22.05	25.20	18.11
	mm	200	250	250	350	400	450	560	640	700
WT (Kg)	R F	31	43	57	86	130	168	280	385	724
	BW	26	38	44	68	110	138	228	329	618

注：*表示介质流向是高进低出。(Note: show the medium flow is high into low out)

各部件材质/Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	阀瓣 Disc	A105+Cr13
4	阀杆 Stem	A182-F6a
5	阀座 Seat ring	WCB+Cr13
6	上密封阀座 Stem backseat	A276-420
7	阀盖垫片 Bonnet gasket	SS 304+石墨(Graphite)
8	阀盖螺栓 Bonnet stud	A193-B7
9	阀盖螺母 Bonnet stud nut	A194-2H
10	填料 Packing	石墨(Graphite)
11	填料压套 Gland	A276-420
12	填料压板 Gland flange	A216-WCB
13	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
14	活结螺栓 Eyebolt	A193-B7
15	活结螺母 Eyebolt nut	A194-2H
16	阀杆螺母 Yokesleeve	A439-D2
17	手轮 Handwheel	ASEM A395



应用标准/Applicable standards

铸钢截止阀符合 BS 1873
铸钢阀门符合 ASME B 16.34
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 标准

Steel globe valves: BS 1873
Steel valves: ASME B 16.34
Face to face: ASME B 16.10
End flanges: ASME B 16.5
Butt welding ends: ASME B 16.25
Inspection and test: API 598

设计描述/Design description

直通式阀体设计
明杆支架
螺栓连接
升降式阀杆和手轮
活动性阀瓣，旋塞/球形

Straight pattern body design
OS & Y, Outside screw and yoke
BB, Bolted bonnet
Rising stem and handwheel
Loose disc, choice of plug or ball

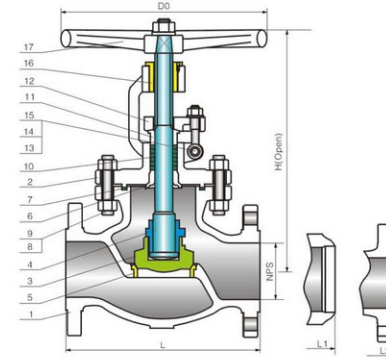
尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	6*	8*	10*	12*
	mm	51	64	76	102	152	200	248	298
L-L1 (RF-BW)	in	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00
	mm	292	330	356	432	559	660	787	838
L2 (RTJ)	in	11.62	13.12	14.12	17.12	22.12	26.12	31.12	33.12
	mm	295	333	359	435	562	664	791	841
H (Open)	in	16.73	19.76	20.51	24.41	34.88	36.69	40.94	50.39
	mm	425	502	521	620	886	932	1040	1280
D0	in	9.84	11.81	13.78	17.72	22.05	18.11	24.02	29.92
	mm	250	300	350	450	560	640	640	700
WT (Kg)	R F	39	58	73	120	327	482	700	900
	BW	33	48	61	95	261	385	588	795

注：*表示介质流向是高进低出。(Note:show the medium flow is high into low out)

各部件材质/Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	阀瓣 Disc	A105+Cr13
4	阀杆 Stem	A182-F6a
5	阀座 Seat ring	WCB+Cr13
6	上密封阀座 Stem backseat	A276-420
7	阀盖垫片 Bonnet gasket	SS 304+石墨(Graphite)
8	阀盖螺栓 Bonnet stud	A193-B7
9	阀盖螺母 Bonnet stud nut	A194-2H
10	填料 Packing	石墨(Graphite)
11	填料压套 Gland	A276-420
12	填料压板 Gland flange	A216-WCB
13	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
14	活结螺栓 Eyebolt	A193-B7
15	活结螺母 Eyebolt nut	A194-2H
16	阀杆螺母 Yokesleeve	A439-D2
17	手轮 Handwheel	ASEM A395



应用标准/Applicable standards

铸钢截止阀符合 BS 1873
铸钢阀门符合 ASME B 16.34
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 标准

Steel globe valves: BS 1873
Steel valves: ASME B 16.34
Face to face: ASME B 16.10
End flanges: ASME B 16.5
Butt welding ends: ASME B 16.25
Inspection and test: API 598

设计描述/Design description

直通式阀体设计
明杆支架
螺栓连接
升降式阀杆和手轮
活动性阀瓣，旋塞/球形

Straight pattern body design
OS & Y, Outside screw and yoke
BB, Bolted bonnet
Rising stem and handwheel
Loose disc, choice of plug or ball

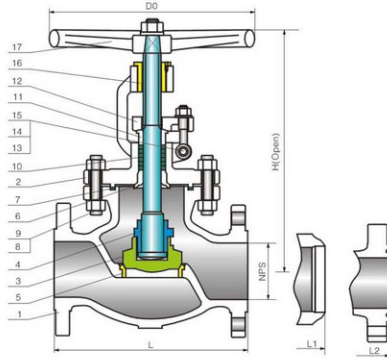
尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4*	6*	8*	10*
	mm	47	57	73	98	146	190	238
L-L1 (RF-BW)	in	14.50	16.50	15.00	18.00	24.00	29.00	33.00
	mm	368	419	381	457	610	737	838
L2 (RTJ)	in	14.62	16.62	15.12	18.12	24.12	29.12	33.12
	mm	371	422	384	460	613	740	841
H (Open)	in	18.82	19.76	24.17	31.06	34.88	36.69	40.94
	mm	478	502	614	789	886	932	1040
D0	in	13.78	15.75	17.72	22.05	18.11	24.03	24.02
	mm	350	400	450	560	640	640	700
WT (Kg)	R F	100	118	131	218	452	710	870
	BW	75	94	105	185	340	630	690

注：*表示介质流向是高进低出。(Note:show the medium flow is high into low out)

各部件材质/Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	阀瓣 Disc	A105+CR13
4	阀杆 Stem	A182-F6a
5	阀座 Seat ring	WCB+Cr13
6	上密封阀座 Stem backseat	A276-420
7	阀盖垫片 Bonnet gasket	SS 304+石墨(Graphite)
8	阀盖螺栓 Bonnet stud	A193-B7
9	阀盖螺母 Bonnet stud nut	A194-2H
10	填料 Packing	石墨(Graphite)
11	填料压套 Gland	A276-420
12	填料压板 Gland flange	A216-WCB
13	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
14	活结螺栓 Eyebolt	A193-B7
15	活结螺母 Eyebolt nut	A194-2H
16	阀杆螺母 Yokesleeve	A439-D2
17	手轮 Handwheel	ASEM A395



应用标准/Applicable standards

铸钢截止阀符合 BS 1873
铸钢阀门符合 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 标准

Steel globe valves: BS 1873
Steel valves: ASME B 16.34
Face to face: ASME B 16.10
End flanges: ASME B 16.5
Butt welding ends: ASME B 16.25
Inspection and test: API 598

设计描述/Design description

直通式阀体设计
明杆支架
螺栓连接
升降式阀杆和手轮
活动性阀瓣，旋塞/球形

Straight pattern body design
OS & Y, Outside screw and yoke
BB, Bolted bonnet
Rising stem and handwheel
Loose disc, choice of plug or ball

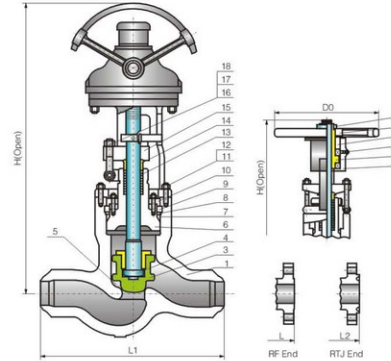
尺寸数据/Dimensions data

NPS DN	in mm	2 47	2-1/2 57	3 70	4* 92	6* 136	8* 178
L-L1 (RF-BW)	in	14.50	16.50	18.50	21.50	27.75	32.75
	mm	368	419	470	546	705	832
L2 (RTJ)	in	14.62	16.62	18.62	21.62	28.00	33.13
	mm	371	422	473	549	711	841
H (Open)	in	23.31	25.98	27.24	35.71	39.96	45.08
	mm	592	660	692	907	1015	1145
D0	in	1378	15.75	17.72	18.11	24.02	24.02
	mm	350	400	450	560	640	700
WT (Kg)	R F	112	141	228	336	822	720
	BW	84	115	183	277	715	615

注：*表示介质流向是高速低出。(Note: show the medium flow is high into low out)

各部件材质/Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	支架 Yoke	A216-WCB
3	阀瓣 Disc	A216-WCB+HF
4	阀杆 Stem	A182-F6a
5	阀座 Seat ring	A105+HF
6	阀盖 Bonnet	A105
7	密封垫 Bonnet gasket*	铜圈(Steel ring)
8	调节环 Adapter ring	碳钢(Carbon steel)
9	四开环 Retainer	2Cr13
10	压板 Yoke cap	碳钢(Carbon steel)
11	阀盖螺栓 Bonnet stud	A193-B7
12	阀盖螺母 Bonnet stud nut	A194-2H
13	填料 Packing	石墨(Graphite)
14	填料压套 Gland	A276-420
15	填料压板 Gland flange	A216-WCB
16	活结螺栓 Eyebolt pin	碳钢(Carbon steel)
17	活结螺栓 Eyebolt	A193-B7
18	活结螺母 Eyebolt nut	A194-2H
19	油杯 Grease fitting	铜合金(Copper alloy)
20	阀杆螺母 Yokesleeve	A439-D2
21	轴承压套 Yokesleeve jam nut	碳钢(Carbon steel)
22	手轮 Handwheel	ASEM A395
23	手轮螺母 Handwheel nut	ANSI 1025



应用标准/Applicable standards

铸钢截止阀符合 BS 1873
铸钢阀门符合 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 标准

Steel globe valves: BS 1873
Steel valves: ASME B 16.34
Face to face: ASME B 16.10
End flanges: ASME B 16.5
Butt welding ends: ASME B 16.25
Inspection and test: API 598

设计描述/Design description

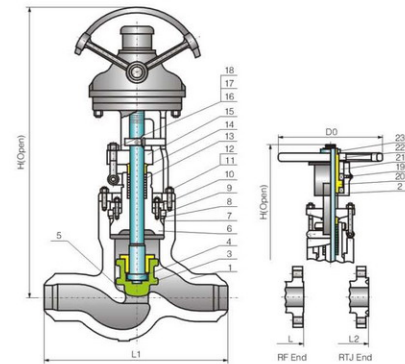
直通式阀体设计
明杆支架
压力自密封阀盖
活动性阀瓣，旋塞/球形
手轮或伞齿轮操作

Straight pattern body design
OS & Y, Outside screw and yoke
Choice of solid or split wedge
Loose disc, choice of plug or ball
Flanged or butt welding ends
Hand wheel or available with bevel gear operator

尺寸数据/Dimensions data

NPS DN	in mm	2 50	2 1/2 65	3 80	4 100	6 150	8 200	10 250	12 300
L1 (BW)	in	8.50	10.00	12.00	14.00	20.00	26.00	31.00	36.00
	mm	216	254	305	365	508	660	787	914
L (RF)	in	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00
	mm	368	419	381	457	610	737	838	965
L2 (RTJ)	in	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12
	mm	371	422	384	460	613	740	841	968
H (Open)	in	22	22	22	27	36.38	43.38	50.62	57
	mm	557	557	557	685	925	1100	1285	1450
D0	in	16	16	16	16	28	28	36	36
	mm	400	400	400	400	700	700	900	900
WT (Kg)	BW	46	53	68	100	270	450	740	1150
	RF/RTJ	75	82	95	135	355	680	1050	1480

注：*表示介质流向是高速低出。(Note: show the medium flow is high into low out)



各部件材质/Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	支架 Yoke	A216-WCB
3	阀瓣 Disc	A216-WCB+HF
4	阀杆 Stem	A182-F6a
5	阀座 Seat ring	A105+HF
6	阀盖 Bonnet	A105
7	密封垫 ¹⁾ Bonnet gasket ¹⁾	钢圈(Steel ring)
8	调节环 Adapter ring	碳钢(Carbon steel)
9	四开环 Retainer	2Cr13
10	压板 Yoke cap	碳钢(Carbon steel)
11	阀盖螺栓 Bonnet stud	A193-B7
12	阀盖螺母 Bonnet stud nut	A194-2H
13	填料 Packing	石墨(Graphite)
14	填料压套 Gland	A276-420
15	填料压板 Gland flange	A216-WCB
16	轴承压盖 Yokesleeve jam nut	碳钢(Carbon steel)
17	活结螺栓 Eyebolt pin	A193-B7
18	活结螺栓 Eyebolt	A194-2H
19	活结螺母 Eyebolt nut	铜合金(Copper alloy)
20	油杯 Grease fitting	A439-D2
21	阀杆螺母 Yokesleeve	碳钢(Carbon steel)
22	手轮 Handwheel	ASEM A395
23	手轮螺母 Handwheel nut	ANSI 1025

应用标准/Applicable standards

铸钢截止阀符合 BS 1873
铸钢阀门符合 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 标准

Steel globe valves: BS 1873
Steel valves: ASME B 16.34
Face to face: ASME B 16.10
End flanges: ASME B 16.5
Butt welding ends: ASME B 16.25
Inspection and test: API 598

设计描述/Design description

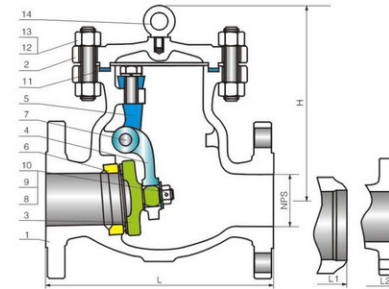
直通式阀体设计
明杆支架
压力自密封阀盖
活性阀瓣, 旋塞/球形
法兰或对接形式
手轮或伞齿轮操作

Straight pattern body design
OS & Y, Outside screw and yoke
Choice of solid or split wedge
Loose disc, choice of plug or ball
Flanged or butt welding ends
Hand wheel or available with bevel gear operator

尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4*	6*	8*
	mm	50	65	80	100	150	200
L1	in	8.50	10.00	12.00	14.00	20.00	26.00
(BW)	mm	216	254	305	356	508	660
L	in	14.50	16.50	15.00	18.00	24.00	29.00
(RF)	mm	368	419	381	457	610	737
L2	in	14.62	16.62	15.12	18.12	24.12	29.12
(RTJ)	mm	371	422	384	460	613	740
H	in	22	22	22	27	36.38	43.38
(Open)	mm	557	557	557	685	925	1100
D0	in	16	16	16	16	28	28
	mm	400	400	400	400	700	700
WT	BW	46	53	68	100	270	450
(Kg)	RF/RTJ	75	82	95	135	355	680

注: *表示介质流向是高进低出。(Note: show the medium flow is high into low out)



各部件材质/Materials of parts

序号 No.	零件名称Part name	碳钢 Carbon steel
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	阀瓣 Disc ¹⁾	A216-WCB+13Cr
4	摇杆 Hinge	A216-WCB
5	挂钩 Support	A216-WCB
6	阀座 Seat ring	A105+13Cr
7	销轴 Hinge pin	A276-420
8	垫片 Disc washer	13Cr
9	阀瓣螺母 Disc nut	SS 304
10	阀瓣螺栓 Disc nut pin	SS 304
11	阀盖垫片 Bonnet gasket	SS 304+石墨(Graphite)
12	阀盖螺栓 Bonnet stud	A193-B7
13	阀盖螺母 Bonnet stud nut	A194-2H
14	吊环 Eyebolt ¹⁾	碳钢(Carbon steel)

应用标准/Applicable standards

铸钢止回阀符合 API 6D/BS 1868 标准
铸钢止回阀符合 ISO 1413 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

Steel check valves, API 6D BS 1868
Steel check valves, ISO 1413
Face to face, ASME B 16.10
End flanges, ASME B 16.5
Butt welding ends, ASME B 16.25
Inspection and test, API 598/API 6D

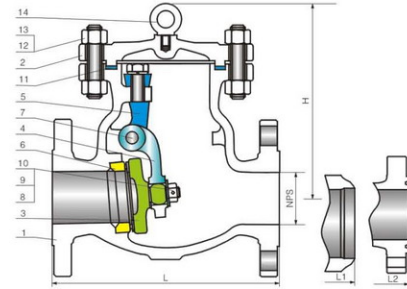
设计描述/Design description

螺栓连接
旋启式(反向旋转阀瓣)
不可穿透性阀瓣轴
水平式或垂直式
法兰或对接连接

BB, Bolted bonnet, cap
Swing type, Anti-rotation disc
Non-penetrating disc shaft
Horizontal or vertical service
Flanged or butt welding ends

尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
	mm	51	64	76	102	127	152	203	254	305	337	387	438	489	591
L-L1	in	8.00	8.50	9.50	11.50	13.00	14.00	19.50	24.50	27.50	31.00	34.00	38.50	38.50	51.00
(RF-BW)	mm	203	216	241	292	330	356	495	622	698	787	864	978	978	1295
L2	in	8.50	9.00	10.00	12.00	13.50	14.50	20.00	25.00	28.00	31.50	34.50	39.00	39.00	51.50
(RTJ)	mm	216	229	254	305	343	368	508	635	711	800	876	991	991	1308
H	in	5.31	6.10	6.61	9.37	9-80	10.91	13.35	15.67	20.67	21.77	22.99	26.30	28.03	29.13
(Open)	mm	135	155	168	235	249	277	339	398	525	553	584	688	712	740
WT	R F	17	21	29	42	69	74	108	177	282	372	570	665	900	1359
(Kg)	BW	13	17	24	36	57	62	96	158	238	324	483	548	782	1150



各部件材质 Materials of parts

序号 No.	零件名称Part name	碳钢 Carbon steel
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	阀瓣 Disc ⁽¹⁾	A216-WCB+13Cr
4	摇杆 Hinge	A216-WCB
5	挂钩 Support	A216-WCB
6	阀座 Seat ring	A105+13Cr
7	销轴 Hinge pin	A276-420
8	垫片 Disc washer	13Cr
9	阀瓣螺母 Disc nut	SS 304
10	阀瓣螺栓销 Disc nut pin	SS 304
11	阀盖垫片 Bonnet gasket	SS 304+石墨(Graphite)
12	阀盖螺栓 Bonnet stud	A 193-B7
13	阀盖螺母 Bonnet stud nut	A194-2H
14	吊环 Eyebolt ⁽¹⁾	碳钢(Carbon steel)

应用标准/Applicable standards

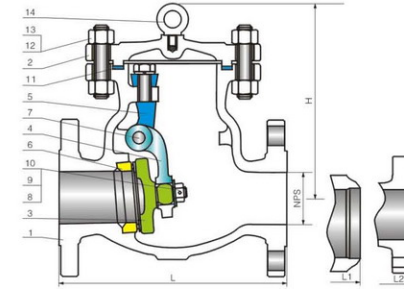
铸钢止回阀符合API6D/BS1868标准 Steel check valves, API 6D Bs1868
 铸钢止回阀符合ISO 1413标准 Steel check valves, ISO 14313
 结构长度符合ASME B16.10标准 Face to face, ASME B 16.10
 法兰尺寸符合ASME B16.5标准 End flanges, ASME B16.5
 对接焊符合ASME B16.25标准 Butt welding ends, ASME B16.25
 试验与检验符合 API 598/API 6D标准 Inspection and test, API 598/API 6D

设计描述/Design description

螺栓连接 BB, Bolted bonnet, cap
 旋启式 (反向旋转阀瓣) Swing type, Anti-rotation disc
 不可穿透性阀瓣轴 Non-penetrating disc shaft
 水平式或垂直式 Horizontal or vertical service
 法兰或对焊连接 Flanged or butt welding ends

尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
	mm	51	64	76	102	127	152	203	254	305	337	387	432	483	584
L-L1 (RF-BW)	in	10.50	11.50	12.50	14.00	15.75	17.50	21.00	24.50	28.00	33.00	34.00	38.50	40.00	53.00
	mm	267	292	318	356	400	444	533	622	711	838	864	978	1016	1346
L2 (RTJ)	in	11.12	12.12	13.12	14.62	16.37	18.12	21.62	25.12	28.62	33.62	34.62	39.12	40.75	53.88
	mm	283	308	333	371	416	460	549	638	727	854	880	994	1035	1368
H (Open)	in	6.22	6.57	7.40	10.20	11.06	12.56	15.79	19.02	21.85	23.03	24.21	25.31	26.81	27.95
	mm	158	167	188	259	281	319	401	483	555	585	615	643	681	710
WT (Kg)	R F	21	32	43	61	84	131	213	384	449	680	840	1025	1320	1960
	BW	16	24	35	44	61	105	167	272	375	560	710	828	1070	1586



各部件材质 Materials of parts

序号 No.	零件名称Part name	碳钢 Carbon steel
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	阀瓣 Disc ⁽¹⁾	A216-WCB+13Cr
4	摇杆 Hinge	A216-WCB
5	挂钩 Support	A216-WCB
6	阀座 Seat ring	A105+13Cr
7	销轴 Hinge pin	A276-420
8	垫片 Disc washer	13Cr
9	阀瓣螺母 Disc nut	SS 304
10	阀瓣螺栓销 Disc nut pin	SS 304
11	阀盖垫片 Bonnet gasket	SS 304+石墨(Graphite)
12	阀盖螺栓 Bonnet stud	A193-B7
13	阀盖螺母 Bonnet stud nut	A194-2H
14	吊环 Eyebolt ⁽¹⁾	碳钢(Carbon steel)

应用标准/Applicable standards

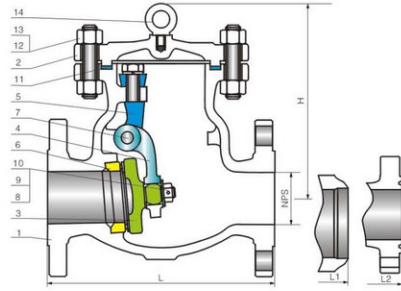
铸钢止回阀符合API6D/BS1868标准 Steel check valves, API 6D Bs1868
 铸钢止回阀符合ISO 1413标准 Steel check valves, ISO 14313
 结构长度符合ASME B16.10标准 Face to face, ASME B 16.10
 法兰尺寸符合ASME B16.5标准 End flanges, ASME B16.5
 对接焊符合ASME B16.25标准 Butt welding ends, ASME B16.25
 试验与检验符合 API 598/API 6D标准 Inspection and test, API 598/API 6D

设计描述/Design description

螺栓连接 BB, Bolted bonnet, cap
 旋启式 (反向旋转阀瓣) Swing type, Anti-rotation disc
 不可穿透性阀瓣轴 Non-penetrating disc shaft
 水平式或垂直式 Horizontal or vertical service
 法兰或对焊连接 Flanged or butt welding ends

尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
	mm	51	64	76	102	127	152	200	248	298	327	375	419	464	559
L-L1 (RF-BW)	in	11.50	13.00	14.00	17.00	20.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00
	mm	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397
L2 (RTJ)	in	11.62	13.12	14.12	17.12	20.12	22.12	26.12	31.12	33.12	35.12	39.12	43.12	47.25	55.38
	mm	295	333	356	435	511	562	664	791	841	892	994	1095	1200	1407
H (Open)	in	7.76	8.15	9.09	11.06	12.56	14.25	17.20	19.39	20.79	22.52	25.98	28.35	29.37	37.80
	mm	197	207	231	281	319	362	437	490	528	572	660	720	746	960
WT (Kg)	R F	36	49	68	111	164	230	416	673	875	944	1220	1620	2120	3100
	BW	28	40	57	83	152	191	361	543	770	773	1015	1350	1750	2520



各部件材质 Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	阀瓣 Disc ⁽¹⁾	A216-WCB+13Cr
4	摇杆 Hinge	A216-WCB
5	挂钩 Support	A216-WCB
6	阀座 Seat ring	A105+13Cr
7	销轴 Hinge pin	A276-420
8	垫片 Disc washer	13Cr
9	阀瓣螺母 Disc nut	SS 304
10	阀瓣螺栓销 Disc nut pin	SS 304
11	阀盖垫片 Bonnet gasket	SS 304+石墨(Graphite)
12	阀盖螺栓 Bonnet stud	193-B7
13	阀盖螺母 Bonnet stud nut	A194-2H
14	吊环 Eyebolt ⁽¹⁾	碳钢(Carbon steel)

应用标准/Applicable standards

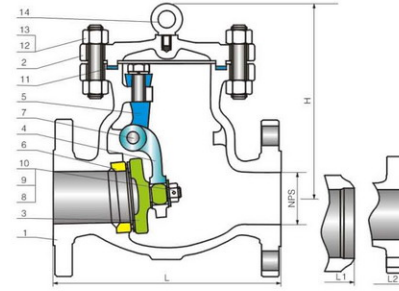
铸钢止回阀符合API6D/BS1868标准 Steel check valves, API 6D Bs1868
 铸钢止回阀符合ISO 14131标准 Steel check valves, ISO 14313
 结构长度符合ASME B16.10标准 Face to face, ASME B 16.10
 法兰尺寸符合ASME B16.5标准 End flanges, ASME B16.5
 对接焊符合ASME B16.25标准 Butt welding ends, ASME B16.25
 试验与检验符合 API 598/API 6D标准 Inspection and test, API 598/API 6D

设计描述/Design description

螺栓连接 BB, Bolted bonnet, cap
 旋启式 (反向旋转阀瓣) Swing type, Anti-rotation disc
 不可穿透性阀瓣轴 Non-penetrated disc shaft
 水平式或垂直式 Horizontal or vertical service
 法兰或对接连接 Flanged or butt welding ends

尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	6	8	10	12	14	16
	mm	47	57	73	98	146	190	238	282	311	356
L-L1 (RF-BW)	in	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50
	mm	368	419	381	457	610	737	838	965	1029	1130
L2 (RTJ)	in	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88
	mm	371	422	384	460	613	740	841	968	1038	1140
H (Open)	in	8.45	10.24	10.24	12.60	15.04	20.87	22.05	23.23	24.80	27.56
	mm	240	260	260	320	382	530	560	590	630	700
WT (Kg)	R F	69	93	91	145	259	565	900	1200	1500	2130
	BW	52	74	70	112	218	448	733	975	1240	1760



各部件材质 Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet	A216-WCB
3	阀瓣 Disc ⁽¹⁾	A216-WCB+13Cr
4	摇杆 Hinge	A216-WCB
5	挂钩 Support	A216-WCB
6	阀座 Seat ring	A105+13Cr
7	销轴 Hinge pin	A276-420
8	垫片 Disc washer	13Cr
9	阀瓣螺母 Disc nut	SS 304
10	阀瓣螺栓销 Disc nut pin	SS 304
11	阀盖垫片 Bonnet gasket	SS 304+石墨(Graphite)
12	阀盖螺栓 Bonnet stud	A193-B7
13	阀盖螺母 Bonnet stud nut	A194-2H
14	吊环 Eyebolt ⁽¹⁾	碳钢(Carbon steel)

应用标准/Applicable standards

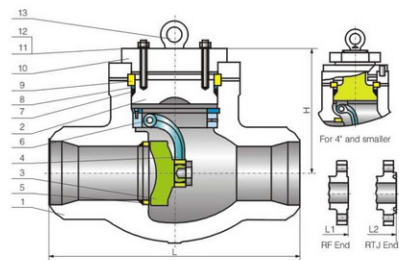
铸钢止回阀符合API6D/BS1868标准 Steel check valves, API 6D Bs1868
 铸钢止回阀符合ISO 14131标准 Steel check valves, ISO 14313
 结构长度符合ASME B16.10标准 Face to face, ASME B 16.10
 法兰尺寸符合ASME B16.5标准 End flanges, ASME B16.5
 对接焊符合ASME B16.25标准 Butt welding ends, ASME B16.25
 试验与检验符合 API 598/API 6D标准 Inspection and test, API 598/API 6D

设计描述/Design description

螺栓连接 BB, Bolted bonnet, cap
 旋启式 (反向旋转阀瓣) Swing type, Anti-rotation disc
 不可穿透性阀瓣轴 Non-penetrated disc shaft
 水平式或垂直式 Horizontal or vertical service
 法兰或对接连接 Flanged or butt welding ends

尺寸数据/Dimensions data

NPS DN	in	2	2-1/2	3	4	6	8	10	12
	mm	47	57	70	92	136	178	222	263
L-L1 (RF-BW)	in	14.50	16.50	18.50	21.50	27.75	32.75	39.00	44.50
	mm	268	419	470	546	705	832	991	1130
L2 (RTJ)	in	14.62	16.62	18.62	21.62	28.00	33.13	39.38	45.12
	mm	371	422	473	549	711	841	1000	1146
H (Open)	in	12.20	12.20	12.99	13.98	15.75	20.87	22.05	25.59
	mm	310	310	330	355	400	530	560	650
WT (Kg)	R F	69	93	140	232	490	990	1490	1970
	BW	49	74	111	185	375	803	1250	1625



各部件材质 Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet cap	A216-WCB
3	阀瓣 Disc	WCB+HF
4	摇杆 Hinge	A216-WCB
5	阀座 Seat ring	A105+HF
6	销轴 Hinge pin	A276-420
7	阀盖垫片 Bonnet gasket	钢圈(Steel ring)
8	调节环 Adapter ring	碳钢(Carbon steel)
9	四开环 Retainer	碳钢(Carbon steel)
10	压盖 Bonnet clamp	碳钢(Carbon steel)
11	压盖螺栓 Bonnet stud	A193-B7
12	压盖螺母 Bonnet stud nut	A194-2H
13	吊环 Eyebolt	碳钢(Carbon steel)

应用标准/Applicable standards

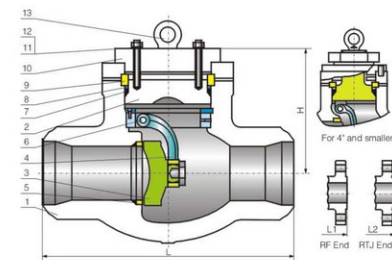
铸钢止回阀符合API 6D/BS1868标准 Steel check valves, API 6D BS1868
 铸钢止回阀符合ISO 14131标准 Steel check valves, ISO 14131
 结构长度符合ASME B16.10标准 Face to face, ASME B 16.10
 法兰尺寸符合ASME B16.5标准 End flanges, ASME B16.5
 对接焊符合ASME B16.25标准 Butt welding ends, ASME B16.25
 试验与检验符合 API 598/API 6D标准 Inspection and test, API 598/API 6D

设计描述/Design description

压力密封上盖 PSB, Pressure seal cover
 旋启式 (反向旋转阀瓣) Swing (reverse rotary valve flap)
 不可穿透性阀瓣轴 Non-penetrating valve flap shaft
 水平式或垂直式 Horizontal or vertical type
 法兰或对接连接 Flanged or welded connections

尺寸数据/Dimensions data

NPS DN	in	2	2 1/2	3	4	6	8	10	12	14	16
	mm	50	65	80	100	150	200	250	300	350	400
L (BW)	in	8.50	10.00	12.00	14.00	20.00	26.00	31.00	36.00	39.00	43.00
	mm	216	254	305	365	508	660	787	914	991	1092
L1 (RF)	in	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	40.5	44.5
	mm	368	419	381	457	610	737	838	965	1029	1130
L2 (RTJ)	in	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.38	44.88
	mm	371	422	384	460	613	740	841	968	1038	1140
H	in	9.50	9.50	10.00	13.38	15.75	18.12	21.62	24.00	27.00	29.50
	mm	240	240	255	340	400	460	550	610	685	750
WT (Kg)	BW	22	34	38	71	176	485	761	1125	1345	1490
	RF/RTJ	44	55	61	116	255	630	940	1433	1710	1820



各部件材质 Materials of parts

序号 No.	零件名称Part name	材质 Material
1	阀体 Body	A216-WCB
2	阀盖 Bonnet cap	A216-WCB
3	阀瓣 Disc	WCB+HF
4	摇杆 Hinge	A216-WCB
5	阀座 Seat ring	A105+HF
6	销轴 Hinge pin	A276-420
7	阀盖垫片 Bonnet gasket	钢圈(Steel ring)
8	调节环 Adapter ring	碳钢(Carbon steel)
9	四开环 Retainer	碳钢(Carbon steel)
10	压盖 Bonnet clamp	碳钢(Carbon steel)
11	压盖螺栓 Bonnet stud	A193-B7
12	压盖螺母 Bonnet stud nut	A194-2H
13	吊环 Eyebolt	碳钢(Carbon steel)

应用标准/Applicable standards

铸钢止回阀符合API 6D/BS1868标准 Steel check valves, API 6D BS1868
 铸钢止回阀符合ISO 14131标准 Steel check valves, ISO 14131
 结构长度符合ASME B16.10标准 Face to face, ASME B 16.10
 法兰尺寸符合ASME B16.5标准 End flanges, ASME B16.5
 对接焊符合ASME B16.25标准 Butt welding ends, ASME B16.25
 试验与检验符合 API 598/API 6D标准 Inspection and test, API 598/API 6D

设计描述/Design description

压力密封上盖 PSB, Pressure seal cover
 旋启式 (反向旋转阀瓣) Swing (reverse rotary valve flap)
 不可穿透性阀瓣轴 Non-penetrating valve flap shaft
 水平式或垂直式 Horizontal or vertical type
 法兰或对接连接 Flanged or welded connections

尺寸数据/Dimensions data

NPS DN	in	2	2 1/2	3	4	6	8	10	12	14
	mm	50	65	80	100	150	200	250	300	350
L (BW)	in	8.50	10.00	12.00	16.00	22.00	28.00	34.00	39.00	42.00
	mm	216	254	305	406	559	711	864	991	1067
L1 (RF)	in	14.50	16.50	18.50	21.50	27.75	32.75	39	44.5	49.5
	mm	368	419	470	546	705	832	991	1130	1257
L2 (RTJ)	in	14.62	16.62	18.62	21.62	28.00	33.12	39.38	45.12	50.25
	mm	371	422	473	549	711	842	1000	1146	1276
H	in	9.50	9.50	11.88	15.38	18.00	20.62	24.00	27.00	30.00
	mm	240	240	300	390	455	525	610	685	760
WT (Kg)	BW	22	37	45	78	245	530	815	1213	1555
	RF/RTJ	44	61	110	155	378	675	1160	1710	2315