

企业简介

ENTERPRISE PROFILE

浙江正丰阀门有限公司创办于1993年,公司坐落于浙江温州东瓯五星工业区。正丰阀门是一家集科研、设计、制造、销售、安装、服务为一体的现代化企业。

我公司不断创新，产品主要依据ISO、API、ANSI、BS、DIN、NF、JIS、GB、JB等标准生产，公称通径为1/4"-80"(DN6-DN2000mm)，压力等级150Lb-2500Lb(PN6-PN150)，工作温度-196℃~680℃。阀门主体材料为304、304L、316、316L、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti、A105、WCB、哈尔合金、LC2、LC3、LCB、C4、2520、2205、蒙乃尔纯镍、钛合金、20号合金钢等。

产品主要有蝶阀、球阀、截止阀、止回阀、闸阀、旋球阀等三十多个品种。产品广泛用于化工、化肥、冶金、制药、电力、石油、钢铁厂、酒厂、造纸厂、煤矿、铝化厂、工程建筑、市政、暖通、液化气、食品、供水等管线引进装置，产品畅销全国各地及东南亚和西方国家，深受用户的青睐和好评。

公司坚持贯彻“质量第一、诚信为本”的方针，以精良的设备、先进的工艺、精致的外观和内在质量、用户至上的服务意识为广大用户提供优质的产品和满意的服务。展望未来，公司将一如既往的开发、引领市场新产品，寻求多元体的发展道路，稳扎国内市场的同时，积极开拓国际业务。我们真诚希望客户的支持和信赖，我们愿与您竭诚合作，共创辉煌、共谋未来。

Zhejiang Zhengfeng Valve Co., Ltd. was founded in 1993, the company is located in Zhejiang Wenzhou Dong'ou five-star industrial zone. Is a research and design,

Manufacturing, sales, installation, service as one of the modern enterprise. Our company is not innovative, the products are mainly based on ISO, API, ANSI, BS, DIN NF, JIS, GB, JB and other standard production, nominal diameter of 1/4, "-80" (DN6-DN2000mm), pressure rating 150Lb-2500Lb (PN6-PN150), the operating temperature of -196 degrees C, ~680 degrees. valve The main materials are 304, 304L, 316, 316L, 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti, A105, WCB, Hal alloy, LC2, LC3,LCB, C4, 2520, 2205, Monel pure nickel, titanium alloy, 20 alloy steel etc..

The main products are butterfly valve, globe valve, globe valve, check valve, gate valve, rotary ball valve and so on more than 30 varieties. Products are widely used in chemical, fertilizer, metallurgy, system Pharmaceutical, power, oil, steel works, wineries, paper mills, coal mines, aluminum plants, engineering, construction, municipal, HVAC, liquefied gas, food, water and other pipelines Imported devices, products sold throughout the country and Southeast Asia and Western countries, favored by users and high praise.

The company adhere to the "quality first, integrity-based" principle, to sophisticated equipment, advanced technology, exquisite appearance and inner quality, user oriented service consciousness to provide customers with high quality products and satisfactory service. Looking forward to the future, the company will continue to develop, lead the market new products, seek diversified development path, steady domestic market at the same time, actively explore international business. We sincerely hope that the customer's support and trust, we are willing to cooperate with you wholeheartedly, to create brilliant and seek the future.

正丰阀门
ZHENG FENG VALVE

ZHENG FENGVALVE ZHENG

企业资质
ENTERPRISE QUALIFCATION









金杯、奖状，众多荣誉与嘉奖接踵而来，精彩绝伦、激动人心在这些荣誉的背后，潜藏着所有正丰人的才智与汗水，代表着正丰辉煌的过去，也预示着正丰美好的未来。在殊荣面前，正丰人不会停滞不前，而是不断勇往直前。

正丰人坚信：“辛勤、汗水和孜孜不倦的努力，将开创一个更加辉煌的未来。”

The gold cup, awards, numerous honors and awards, behind the wonderful and exciting in these honors, hidden wisdom and sweat are all zhengfeng, represents zhengfeng is a glorious past, but also indicates that zhengfeng is a better future. In the presence of honor, the positive people will not stop, but constantly move forward.

Zhengfeng people are firmly convinced that "hard work, sweat and hard work will lead to a brighter future."

















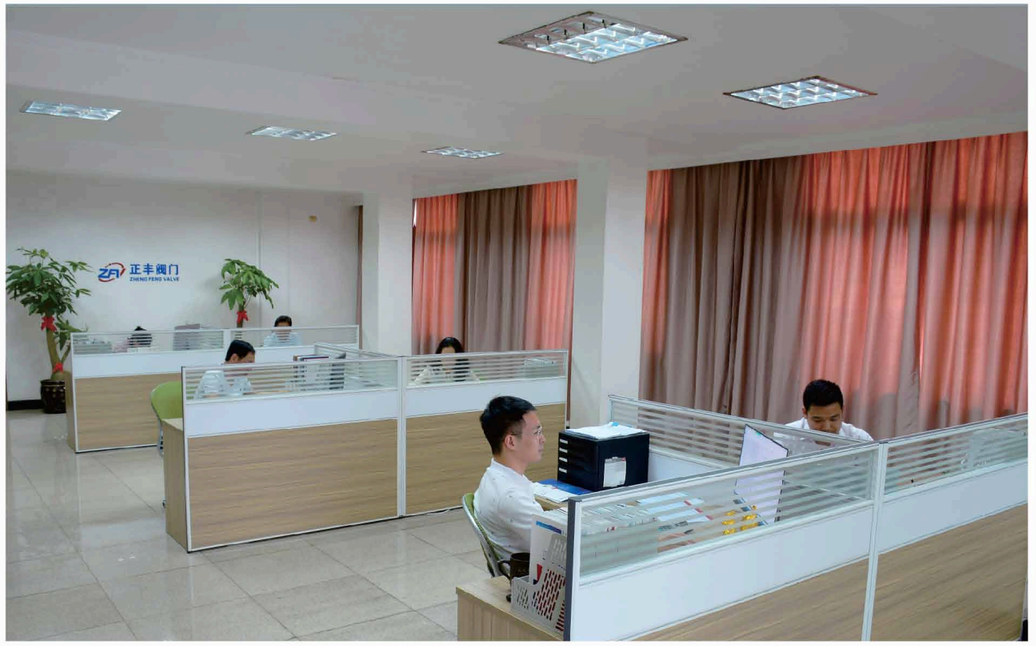










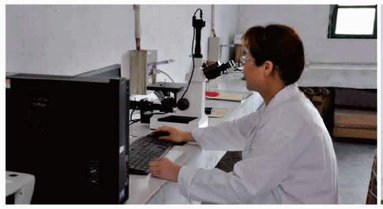


办公环境
OFFICE ENVIRONMENT

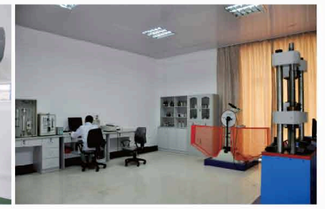
优美舒适的工作、生活环境，可以使员工身心健康发展创造良好的条件，有效提高员工的工作积极性。近年来我们经过努力，改造了员工的生活、满足员工工作、生活舒适化的需求，共创美好未来！

Beautiful and comfortable work and living environment can make the employees develop physically and mentally, create good conditions and effectively improve their work enthusiasm. In recent years, we have worked hard to transform the life of employees, meet the needs of employees' work and life comfort, and create a better future!









Check Valve Series
止回阀系列



Breakthrough technology, creating value!
突破科技 创造价值！

我们时刻追求，设计的创新；我们永远确保，品质的优良；我们不断完善，周全的服务。
We always seek, design innovation; we always ensure that the quality of good; we continue to improve, comprehensive service.

Swing Type Check valve
旋启式止回阀

应用标准 Applicable Stecification

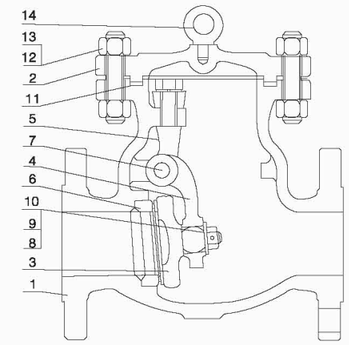
铸钢止回阀符合API6D/BS1868标准
铸钢止回阀符合ISO 14313标
铸钢阀门符合ASME B 16.34标准
结构长度符合ASME B 16.10标准
法兰尺寸符合ASME B 16.5标准
对接焊符合 ASME B 16.25标准
试验与检验符合 API 598/API 6D标准

Cast steel check valves comply with API6D/BS1868
Cast steel check valves comply with ISO 14313
Cast steel valves comply with ASME B16.34
Structure length table ASME B 16.10
Flange size conforms to ASME B 16.5
Butt welding meets ASME B 16.25
Test and inspection conform to API 598/API 6D

设计描述Design description

螺栓连接
旋启式(反向旋转阀瓣)
可更换阀座
不可穿透性阀瓣轴
水平式或垂直式
法兰或对焊连接

Bolted cover
Swing type (reverse rotating disc)
Renewable seat ring
Non penetrable disc shaft
Horizontal & vertical service
Flange or butt weld end



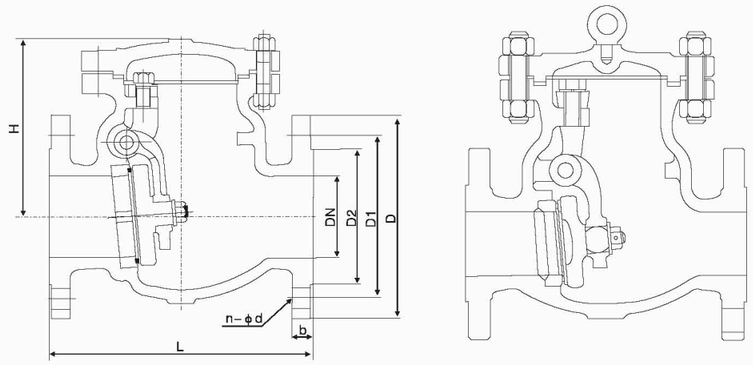
主要零件材料 Material for main parts

序号 ON.	零件名称 Part Name	ASTM材质 ASTM Materia		
1	阀体 Body	A216–WCB	A217–WC6	A352–LCB
2	阀盖 Cover	A216–WCB	A217–WC6	A352–LCB
3	阀瓣 Disc	A105–CR13	A182–F11+HF	A350–LF2+CR13
4	摇臂 Hinge	A216–WCB	A217–WC6	A352–LCB
5	挂钩 Fork	A216–WCB	A217–WC6	A352–LCB
6	阀座 Seat	A105+CR13	A182–F11+HF	A350–LF2+CR13
7	销轴 Pin shaft	A276–420	A276–304	A276–420
8	垫片 Gasket	碳钢 Carbon Steel	A276–304	碳钢 Carbon steel
9	阀瓣螺母 Petal Nut	碳钢 Carbon Steel	A194–7	碳钢 Carbon steel
10	阀瓣螺栓销 Stud pin	碳钢 Carbon Steel	A276–420	碳钢 Carbon steel
11	阀盖垫片 Cover gasket	缠绕垫片 304 Spiral gasket 304		
12	阀盖螺栓 Cap bolt	A193–B7	A193–B16	A320–L7
13	阀盖螺母 Bonnet Nut	A194–2H	A194–7	A194–4
14	吊环[2] Rings [2]	碳钢 Carbon steel		

注释：1、4"以上的用铸钢阀瓣　2、6"以上的采用吊环　3、阀瓣和阀座的表面应显示实心材料或底部材料要以相同或好于阀体/阀盖的材料
Notes: 1. 4 And above shall be made of cast steel valves, valves 2. 6 And above. Rings, 3. Discs and seat surfaces shall be shown solid or bottom material to be the same or better than the body / valve cover

Swing Type Check valve

旋启式止回阀



外形及连接尺寸 Appearance and connect size — Class 150Lb

in	mm	L	D	D1	D2	b	n–ϕd	H
1 1/2	40	165	127	98.6	73	15.0	4–16	154
2	50	203	152	120.7	92	16.0	4–19	161
2 1/2	65	216	178	139.7	105	18.0	4–19	180
3	80	241	190	152.4	127	19.0	4–19	190
4	100	292	229	190.5	157	24.0	8–19	203
5	125	330	254	216.0	186	24.0	8–22.5	229
6	150	356	279	241.3	216	26.0	8–22.5	257
8	200	495	343	298.5	270	29.0	8–22.5	292
10	250	622	406	362.0	324	31.0	12–25.4	355
12	300	698	483	431.8	381	32.0	12–25.4	396
14	350	787	533	476.3	413	35.0	12–29	445
16	400	864	597	539.8	470	37.0	16–29	490
18	450	978	635	577.9	533	40.0	16–32	520
20	500	978	698	635.0	584	43.0	20–32	546
24	600	1295	813	749.3	692	48.8	20–35	880
26	650	1295	786	744.5	711	41.1	36–22.5	910
28	700	1448	837	795.5	762	44.5	40–22.5	935
30	750	1524	887	846.0	813	44.5	44–22.5	970
32	800	1524	941	900	864	46.0	48–22.5	1020
34	850	1524	1005	957.0	921	49.3	40–25.4	1085
36	900	1956	1057	1009.7	972	52.3	44–25.4	1140

外形及连接尺寸 Appearance and connect size — Class 300Lb

in	mm	L	D	D1	D2	b	n–ϕd	H
1 1/2	40	241	155	114.3	73	20.6	4–22.5	172
2	50	267	165	127.0	92	22.4	8–19	178
2 1/2	65	292	190	149.4	105	25.4	8–22.5	190
3	80	318	210	168.1	127	28.4	8–22.5	216
4	100	356	254	200.2	157	31.8	8–22.5	241
5	125	400	279	235.0	186	35.0	8–22.5	267
6	150	444	318	269.7	216	36.6	12–22.5	305
8	200	533	381	330.2	270	41.2	12–26	368
10	250	622	444	387.4	324	47.8	16–29	394
12	300	711	521	450.8	381	50.8	16–32	445
14	350	838	584	514.4	413	54.0	20–32	470
16	400	864	648	571.5	470	57.2	20–35	533
18	450	978	711	628.7	533	60.5	24–35	584
20	500	1016	775	685.8	584	63.5	24–35	610
24	600	1346	914	812.8	692	70.0	24–41	60
26	650	1346	867	803.1	736.6	90.0	32–35	930
28	700	1499	921	857.3	787.4	90.0	36–35	1163
30	750	1594	991	920.8	844.6	93.7	36–38	1271
32	800	1594	1054	978	902	103	32–41.2	/
34	850	1594	1108	1032	953	103	32–41	/
36	900	2083	1171.5	1089.2	1010	103	32–44.5	/

外形及连接尺寸 Appearance and connect size — Class 600Lb

in	mm	L	D	D1	D2	b	n–ϕd	H
2	50	292	165	127.0	92	25.4	8–19	203
2 1/2	65	330	190	149.4	105	28.5	8–22.5	229
3	80	356	210	168.1	127	31.8	8–22.5	235
4	100	432	275	216.0	157	38.1	8–25.4	286
5	125	508	330	266.7	186	44.5	8–28.5	292
6	150	559	355	292.1	216	47.8	12–28.5	330
8	200	660	420	349.3	270	56	12–32	381
10	250	787	510	431.8	324	63.5	16–32	457
12	300	838	560	489.0	381	67	20–35	584
14	350	889	605	527.0	413	70	20–38	635
16	400	991	685	603.3	470	76.5	21–41	584
18	450	1092	745	654.0	533	83	20–44.5	752
20	500	1194	815	723.9	584	89	24–44.5	975
24	600	1397	940	838.2	692	102	24–51	1111

外形及连接尺寸 Appearance and connect size — Class 900Lb

in	mm	L	D	D1	D2	b	n–ϕd	H
2	50	371	215	165.1	95.3	46	8–25.4	216
2 1/2	65	422	245	190.5	108.0	49	8–28.5	254
3	80	384	240	190.5	123.8	46	8–25.1	292
4	100	460	290	235.0	149.2	52	8–32	318
5	125	562	350	279.4	181.0	59	8–35	343
6	150	613	380	317.5	211.1	64	12–32	368
8	200	740	470	393.7	269.9	72	12–38	432
10	250	841	545	469.9	323.9	78	16–38	546
12	300	968	610	533.4	381.0	87	20–38	660
14	350	1038	640	558.8	419.1	97	20–41	782
16	400	1140	705	616.0	469.9	100	20–44.5	838

Wafer Dual Plate Check Valve

双瓣对夹止回阀

应用标准 Applicable Stecification

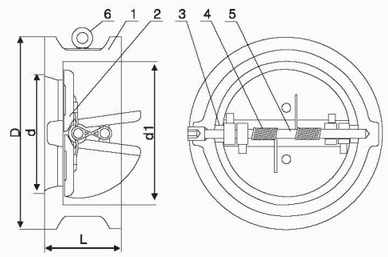
铸钢止回阀符合API 594/API 6D标准
铸钢止回阀符合ISO 14313标准
铸钢阀门符合ASME B16.34标准
结构长度符合ASME B16.10标准
法兰尺寸符合ASME B16.5标准
试验与检验符合API 598/API 6D标准

Cast steel check valves comply with API 594/API 6D
Cast steel check valves comply with ISO 14313
Cast steel valves comply with ASME B16.34
The length of the structure conforms to the ASME B16.10
Flange size conforms to ASME B16.5
Test and inspection conform to API 598/API 6D

设计描述Design description

单阀瓣
蝶型旋启式
双阀瓣
更新裂开式阀瓣
水平式/垂直式
对夹式法兰
可采用法兰连接

Dual plates
Swing type
Renewable split plate
Horizontal & vertical service
Wafer end or LUG end
Optional flange end



主要零件材料 Material for main parts

序号 ON.	零件名称 Part Name	碳钢 Carbon steel	ASTM材质 ASTM Materia 11/4Cr-1/2Mo	低温钢 Low Temp. Steel
1	阀体 Body	A216-WCB	A351-CF8M	A352-LCB
2	闸瓣 Disc	A216-WCB+CR13	A315-CF8M+HF	A352-LCB+CR13
3	切断销 Cut-off pin	A276-420	A276-304	A276-420
4	弹簧 Spring	A313-304	A313-316	A313-304
5	销轴 Pin shaft	A276-420	A276-304	A276-420
6	吊环螺栓1)Ring bolt1)	碳钢 Carbon steel		

注释：1、8"以上的采用吊环螺栓 Notes: 1. 8 And above use rings

外形及连接尺寸 Appearance and connect size Class 150Lb

NPS	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	in
L	60	67	73	73	98	127	146	181	184	191	203	219	222	mm
D	103	122	135	173	220	277	337	407	448	512	547	604	715	mm
d	51	65	80	102	152	203	254	305	350	400	450	500	600	mm
d1	56	73	88	108	160	210	266	310	355	405	455	505	605	mm
WT	2	3	4	6	13	25	39	54	80	117	138	163	331	kg

Wafer Dual Plate Check Valve

双瓣对夹止回阀

外形及连接尺寸 Appearance and connect size Class 300Lb

NPS	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	in
L	60	67	73	73	98	127	146	181	222	232	264	292	318	mm
D	110	128	147	179	249	305	359	420	483	537	594	652	772	mm
d	51	65	80	102	152	203	254	305	350	400	450	500	600	mm
d1	58	73	88	108	160	210	266	310	355	405	455	505	608	mm
WT	3	4	6	8	18	31	51	77	117	190	200	265	410	kg

外形及连接尺寸 Appearance and connect size Class 600Lb

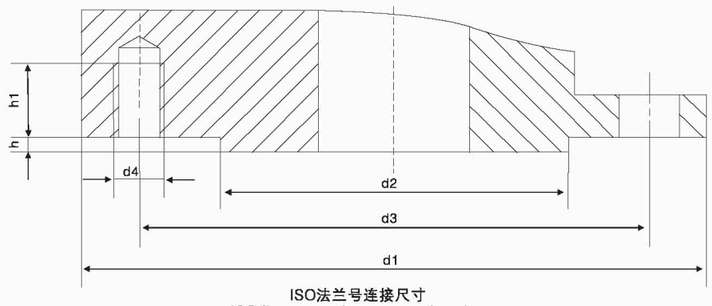
NPS	2	2 1/2	3	4	6	8	10	12	14	16	in
L	60	67	73	73	98	127	146	181	184	191	mm
D	103	122	135	173	220	277	337	407	448	512	mm
d	51	65	80	102	152	203	254	305	350	400	mm
d1	56	73	88	108	160	210	266	310	355	405	mm
WT	2	3	4	6	13	25	39	54	80	117	kg

外形及连接尺寸 Appearance and connect size Class 900Lb

NPS	2	2 1/2	3	4	6	8	10	12	14	16	in
L	60	67	73	73	98	127	146	181	222	232	mm
D	110	128	147	179	249	305	359	420	483	537	mm
d	51	65	80	102	152	203	254	305	350	400	mm
d1	58	73	88	108	160	210	266	310	355	405	mm
WT	3	4	6	8	18	31	51	77	117	190	kg

Selection For Part-turn Valve Actuator

阀门驱动装置的选择



ISO法兰号连接尺寸
ISO flange number connection size

部分回转驱动装置的连接Connected Flange Of Part-turn Actuator

部分回转阀门驱动装置是指对阀门产生角行程的驱动装置。该驱动装置和阀门连接的法兰尺寸和法兰代号与其相对应的最大转矩和驱动件的结构形貌和尺寸按ISO5211:2001(GB/T12223-2005)《部分回转阀门驱动装置的连接》规定。

Part of the rotary valve driving device is a driving device of producing the valve angle stroke. The driving device and the valve connecting flange size,flange code,max corresponding torque,structure and morphology and size of driving units refer to ISO5211:2001(GB/T 12223-2005)*Connection of Part of Rotary Valve Driving Device.*

法兰代号——最大转矩 Flange Type — Maximum Flange Torque

法兰代号 Flange Code	F03	F04	F05	F07	F10	F12	F14	F16	F25	F30	F35	F40	F48	F60
最大转矩 Maximum Torque /N·m	32	63	125	250	500	1000	2000	4000	8000	16000	32000	63000	125000	250000

注：表中规定值是在螺栓拉伸应力只有390MPa且法兰接合面之间的摩擦系数为0.2的基础上确定的，不同的参数会得出不同的传输转矩值。
Note: Specified values in the sheet is based on bolts' tensile strength which is only 390 Mpa,and frictional coeffecient between flange joints is 0.2. Different parameters will calculate different torques.

驱动装置与阀门相连接的法兰尺寸Flange Dimension On Valve For Connected Part-trun Actuator (mm)

法兰代号 Flange Code	d1	d2(f8)	d3	d4	h/min	h1/min	螺柱或螺栓数量 Number of Bolts&Bonnet
F03	46	25	36	M5	3	8	4
F04	54	30	42	M5	3	8	4
F05	65	35	50	M6	3	9	4
F07	90	55	70	M8	3	12	4
F10	125	70	102	M10	3	15	4
F12	150	85	125	M12	3	18	4
F14	175	100	140	M16	4	24	4
F16	210	130	165	M20	5	30	4
F25	300	200	254	M16	5	24	8
F30	350	230	298	M20	5	30	8
F35	415	260	356	M30	5	45	8
F40	475	300	406	M36	8	54	8
F48	560	370	483	M36	8	54	12
F60	686	470	603	M36	8	54	20

Material Property

材质特性

材料特性 Materials characteristic

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
ASTM Specification 尺寸/规格		化学要求 Chemical Requirements										抗拉要求Tensile Requirements				
		C	Mn	Si	P	S	Cr	Ni	Mo	Cu	V	抗拉	产生	伸长	减少	硬度
		碳	锰	硅	磷	硫	铬	镍	钼	铜	钒	Mpa	Mpa	%	of area,%	HB
		最大公称% Nominal Or Maximum.%										最小.				最大.
		碳钢 Cast Steel														
碳钢 carbon steel	A216-WCA	0.25	0.70	0.60	0.040	0.045	0.50	0.50	0.20	0.30	0.03	415-585	205	24	35	
	A216-WCB	0.30	1.00	0.60	0.040	0.045	0.50	0.50	0.20	0.30	0.03	485-655	250	22	35	
	A216-WCC	0.25	1.20	0.60	0.040	0.045	0.50	0.50	0.20	0.30	0.03	485-655	275	22	35	
		碳钢 Cast Steel														
铬钼钢 Cr Mo steel	A217-WC1	0.25	0.50-0.80	0.60	0.040	0.045	0.35	0.45-0.65	0.45-0.65	0.50	–	450-620	240	24	35	
	A217-WC6	0.05-0.20	0.50-0.80	0.60	0.040	0.045	1.00-1.50	0.50	0.45-0.65	0.50	–	485-655	275	20	35	
	A217-WC9	0.05-0.18	0.40-0.70	0.60	0.040	0.045	2.00-2.75	0.50	0.90-1.20	0.50	–	485-655	275	20	35	
	A217-C5	0.20	0.40-0.70	0.75	0.040	0.045	4.00-6.50	0.50	0.45-0.65	0.50	–	620-795	415	18	35	
	A217-C12	0.20	0.35-0.65	1.00	0.040	0.045	8.00-10.0	0.50	0.90-1.20	0.50	–	620-795	415	18	35	
		碳钢 Cast Steel														
镍合金钢 Nickel alloy steel	A494 M-35-1	0.35	1.50	1.25	0.030	0.030	-	Allowance	–	26.0-33.0	Fe≤3.50	450	170	25	–	
	A494 CW-6M	0.07	1.00	1.00	0.040	0.030	17.0-20.0	Allowance	17.0-20.0	–	Fe≤3.00	495	275	25	–	
	A494 CY-40	0.40	1.50	3.00	0.030	0.030	14.0-17.0	Allowance	–	–	Fe≤11.0	185	195	30	–	
		碳钢 Cast Steel														
不锈钢 Stainless steel	A351-CF8	0.08	1.50	2.00	0.040	0.040	18.0-21.0	8.0-11.0	0.50	–	–	485	205	35	35	
	A351-CF8M	0.08	1.50	1.50	0.040	0.040	18.0-21.0	9.0-12.0	2.0-3.0	–	–	485	205	30	30	
	A351-CF3	0.03	1.50	2.00	0.040	0.040	17.0-21.0	8.0-12.0	0.50	–	–	485	205	35	35	
	A351-CF3M	0.03	1.50	1.50	0.040	0.040	17.0-21.0	9.0-13.0	2.0-3.0	–	–	485	205	30	30	
	A351-CN7M	0.07	1.50	1.50	0.040	0.040	19.0-22.0	27.5-30.5	2.0-3.0	3.0-4.0	–	450	170	35	35	
		碳钢 Cast Steel														
碳钢 carbon steel	A352-LCB	0.30	1.00	0.60	0.040	0.045	0.50	0.50	0.20	0.30	0.03	450-650	240	24	35	
	A352-LCC	0.25	1.20	0.60	0.040	0.045	0.50	0.50	0.20	0.30	0.03	485-655	275	22	35	
	A352-LC1	0.25	0.50-0.80	0 60	0.040	0.045	–	–	0.45-0.65	–	–	450-620	240	24	35	
	A352-LC2	0.25	0.50-0.80	0 60	0.040	0.045	–	2.00-3.00	-	–	–	485 655	275	24	35	
	A352-LC3	0.15	0.50-0.80	0 60	0.040	0.045	–	3.00-4.00	-	–	–	485 655	275	24	35	
		锻钢Forged Steel														
碳钢 carbon steel	A105(N)	0.35	0.60-1.05	0.35	0.040	0.050	0.30	0.40	0.12	0.40	0.03	485	250	30	30	187
	A350-LF1	0.30	1.35	0.15-0.3	0.035	0.040	0.30	0.40	0.12	0.40	0.03	415-585	205	25	38	
	A350-LF2	0.30	1.35	0.15-0.30	0.035	0.040	0.30	0.40	0.12	0.40	0.03	485-655	250	22	30	
	A350-LF3	0 20	0.90	0.20-0.35	0.035	0.040	0.30	3.25-3.7	0.12	0.40	0.03	485-655	260	22	35	
	A350-LF9	0.20	0.40-1.06	-	0.035	0.040	0.30	1.60-2.24	0.12	0.75-1.25	0.03	435-605	315	25	38	
		锻钢Forged Steel														
不锈钢 Stainless steel	A182-F304	0.08	2.00	1.00	0.040	0.030	18.0-20.0	8.0-11.0	–	–	–	515	205	30	50	
	A182-F316	0.08	2.00	1.00	0.040	0.030	16.0-18.0	10.0-14.0	2.0-3.0	–	–	515	205	30	50	
	A182-F304L	0.03	2.00	1.00	0.045	0.030	18.0-20.0	8.0-13.0	–	–	–	485	170	30	50	
	A182-F316L	0.03	2.00	1.00	0.045	0.030	16.0-18.0	10.0-15.0	2.0-3.0	–	–	485	170	30	50	
		组成部分 Component Part														
内件 Trim	A276-304	0.08	2.00	1.00	0.045	0.030	18.0-20.0	8.0-10.5	–	–	–	515	205	40	50	
	A276-316	0.08	2.00	1.00	0.045	0.030	16.0-18.0	10.0-14.0	2.0-3.0	–	–	485	170	40	50	
	A276-410	0.15	1,00	1.00	0.040	0.030	11.5-13.5	–	–	–	–	480	275	20	45	
	A276-420	0.15	1.00	1.00	0.040	0.030	12.0-14.0	–	–	–	–	–	–	–	–	241
	A182-F6a	0.15	1.00	1.00	0.040	0.030	11.5-13.5	0.50	–	–	–	585	380	18	35	167-229
		固定片Fixed piece														
螺栓 Stud	A193-B7	0.37-0.49	0.65-1.10	0.15-0.35	0.035	0.040	0.75-1.20	-	0.15-0.25	–	–	860	720	16	50	
	A193-B7M	0.37-0.49	0.65-1.10	0.15-0.35	0.035	0.040	0.75-1.20	-	0.15-0.25	–	–	690	550	18	50	235
	A193-B8	0.08	2.00	1.00	0.045	0.030	18.0-20.0	8.0-10.50	-	–	–	515	205	30	50	223
	A193-B8A	0.08	2.00	1.00	0.045	0.030	18.0-20.0	8.0-10.50	-	–	–	515	205	30	50	223
	A193-B8M	0.08	2.00	1.00	0.045	0.030	16.0-18.0	10.0-14.0	2.0-3.0	–	–	515	205	30	50	192
	A320-L7	0.38-0.48	0.75-1.00	0.15-0.35	0.035	0.040	0.80-1.10	-	0.15-0.25	–	–	860	725	16	50	
螺母 Nut	A194-2H	≥0.40	1.00	0.40	0.040	0.050	-	-	-	–	–	–	–	–	–	248-352
	A194-2HM	≥0.40	1.00	0.40	0.040	0.050	-	-	-	–	–	–	–	–	–	159-237
	A194-7	0.37-0.49	0.65-1.10	0.15-0.35	0.040	0.040	0.75-1.20	-	0.15-0.25	–	–	–	–	–	–	248-352
	A194-8	0.08	2.00	1.00	0.045	0.030	18.0-20.0	8.0-10.5	-	–	–	–	–	–	–	126-300
	A194-8M	0.08	2.00	1.00	0.045	0.030	16.0-18.0	10.0-14.0	2.0-3.0	–	–	–	–	–	–	126-300

NACE Acid proof valve

NACE 防酸性阀门

NACE标准阀门NACE Valves

服务于四种汽体或其他氢硫，烃碳氢化合物液态。正丰提供的NACE标准阀门的材质耐得住特别的热处理和硬度控制符合NACE Mr0175标准。普通的NACE材料构成在正丰以下的铸钢阀门已经显示了。有一点必须明确的是NACE标准的硬度要求与其中API600标准的一个阀门的阀座表面不一致。正丰的铸钢阀门依用户选择。

Serving four types of gas or other hydrogen sulfur hydrocarbons, liquid hydrocarbons. The NACE standard provides the material of valve is Zhengfeng endure special heat treatment and hardness control in accordance with NACE Mr0175 standard. The cast steel valves, made of plain NACE material, below the full range, have been shown. One thing must be clear is that the hardness requirements of the NACE standard are inconsistent with the surface of the seat of a valve in which the API600 standard is applied. Zhengfeng cast steel valves are selected by user.

要求防腐材料
能够用于含有H2S和碳氢化物的混合物介质中工作的机械
The demands about Resist SSC (Sulfur Stress Crack) material
That be used for the equipment that the working medium include H2S Carbon-Hydride compound

序号 No.	材料名称 Part Name	ASTM材质 ASTM Material	NACE硬度 NACE Hardness	API 600硬度 API 600 Hardness
1	阀体 Body	A216-WCB	≤HRC 22 (237 HB)	-
2	阀盖 Bonnet/York	A216-WCB		-
3	阀座 Seat Ring	A105 with 13CR overlay		≥250HB*
4	闸板 Wedge/Disc	A216-WCB/A105 with 13CR overlay		≥250HB*
5	阀杆 Stem	AISIType410/A182-F6aA	≤HRC 22 (237 HB)	≥250HB*
6	上密封 Backseat Bushing			≥250HB*
7	隔离环 Lantern Ring			-
8	填料 Packing			-
9	阀盖垫片 Bonnet Gasket	316SS+石墨	-	-
		316SS(RTJ:)	≤HRC 22	-
10	阀盖螺栓 Bonnet Bolt	A193-B7	-	-
		A193-B7M	≤HRC 22	-
11	阀盖螺母 Bonnet Nut	A194-2H	-	-
		A194-2HM	≤HRC 22	-

*在阀座之间最小硬度是50HB *Minimum Hardness differential of 50 HB between the seats.

要求防腐材料能够用于含有H2S和碳氢化物的混合物介质中工作的机械

a). 所有NACE标准阀体符合API标准，期待改变至HRC22NACE规格要求的最大硬度。

b). 标准的ASTMA216-WCB阀体／阀盖有0.43%的含碳量。

c). 螺纹阀座减小潜在的硬度问题．焊接和热效应。

d). 阀盖垫片只用于150Lb的闸阀．弹性石墨的阀盖垫片的316SS加固箱，用于300Lb闸阀。150Lb和300Lb截止阀和止回阀．阀盖垫片用316SS螺旋式用石墨充满。

e). 标准内件是用13Cr钢硬度光面阀座来控制硬度。

f). 标准阀盖螺栓是二等级的螺母和螺栓。

g). 所有NACE阀门比NACE MRO175附加表达更好区分，普通的NACE材质在上面的表格中已经显示出来了，其他材料可任顾客选择。

Corrosion preventive material A machine that can be used in a mixture of H2S and carbon hydrides

a). All NACE standard body valves meet API standards and expect to change to maximum hardness required by HRC22NACE specification.

b). The standard ASTMA216-WCB body / bonnet has a carbon content of 0.43%.

c). Threaded seats reduce potential hardness problems. Welding and thermal effects.

d).The bonnet gasket is only for gate valves of 150Lb. The 316SS reinforcement case for flexible graphite bonnet gaskets is used for 300Lb gate valves.150Lb and 300Lb shut-off valves and check. valves. The valve cover gaskets are filled with graphite in 316SS spirals.

e). Standard internal parts are 13Cr steel hardness, smooth seat to control hardness.

f). Standard valve cap bolts are two grade nuts and bolts.

g). All NACE valves are better differentiated than the NACE MRO175 additional expression,the plain NACE material has been shown in the table above, and other materials can be chosen by the customer.

International Materials Standards

国际材料标准

国际材料标准 International Materialsstandards

材料 Materials		美国 America	德国 Germany			联合国 United Kingdom		中国 China
		ASTM/AISI/SAE/ASME	DIN No.	DIN TYPE	材料数目 MATERIALNUMBER	BS数目 BS NUMBER	Bs联系 BS GRADE	GB
							碳钢 Cast Steel	
碳钢 carbon steel	A216-WCA	ASTM A216-WCA	1681	GS-38	1.042	1504-161	430	WCA
	A216-WCB	ASTM 216-WCB	17245	GS-C25	1.0619	1504-161	480	WCB
	A216-WCC							WCC
							碳钢 Cast Steel	
铬钼钢 Cr Mo steel	A217-WC1	ASTM A217-WC1	17245	GS-22Mo4	1.5419			ZG20Mo
	A217-WC6	ASTM A217 WC6	17245	GS-17CrMo55	1.7357			15CrMo
	A217-WC9	ASTM A217 WC9	17245	GS-18CrMo810	1.7379			12Cr1Mo1V
	A217-C5	ASTM A217 C5	VDEh SPW 595	GS-12CrMo195	17363	1504	625E	1Cr5Mo
	A217-C12	ASTM A217 C12	VDEh SPW 595	G-X12CrMo101	17389	1504	629E	9Cr1Mo
							碳钢 Cast Steel	
镍合金钢 Nickel alloy steel	A494 M-35-1							
	A494 CW-6M							
	A494 CY-40							
							碳钢 Cast Steel	
不锈钢 Stainless steel	A351-CF8	ASTM A351-CF8	17445	G-X6CrNi189	1.4308	1504-304	C15	0Cr18Ni9
	A351-CF8M	ASTMA351-CF8M	17445	G-X6CrNiMO1810	1.4408	1504-316	C16	1Cr18Ni12Mo2Ti
	A351-CF3	ASTM A351-CF3	17440	G-X2CrNi189	1.4306	970/1	304S11	00Cr18Ni10
	A351-CF3M	ASTM A351-CF3M	17440	G-X2CrNiMO1810	1.4404	2056	316S12	00Cr17Ni14Mo2
	A351-CN7M	ASTMA351-CN7M				1504	332C11E	
							碳钢 Cast Steel	
碳钢 carbon steel	A352-LCB	ASTM A352-LCB	SFW 685	GS-21Mo5	1.1138			LCB
	A352-LCC	ASTMA352-LCC	17173	GS-26CrMo4	1.7219			LCC
	A352-LC1	ASTM A352-LC1				1504	245LT50	
	A352-LC2	ASTMA352-LC2						ZG0CrMnVA1
	A352-LC3	ASTMA352-LC3	SEW 685	GS10Ni14	1.5638	1504-503	Lt60	
							锻钢Forged Steel	
碳钢 carbon steel	A105(N)	ASTMA105	17100	St50-2	1.005	1503	221-490	25
	A350-LF1	ASTMA350-LF1	SEW 680	TTSt41	1.0437			
	A350-LF2	ASTMA350-LF2	17155	19Mn5	1.0482			
	A350-LF3	ASTMA350-LF3	17173	10Ni14	1.5637	1503	503Gr.490	
	A350-LF9	ASTMA350-LF9						
							锻钢Forged Steel	
不锈钢 Stainless steel	A182-F304	ASTM A182-F304	17440	X5CrNi189	1.4301	1503	304S31	0Cr18Ni9
	A182-F316	ASTM A182-F316	17440	X5CrNiMo1810	1.4401	1503	316S31	0Cr17Ni12Mo2
	A182-F304L	ASTM A182-F304L	17440	X2CrNi810	1.4311			00Cr18Ni10
	A182-F316L	ASTM A182-F316L	17440	X2CrNiMo1810	1.4404	1503	316S11	00Cr17Ni14Mo2
							组成部分 Component Part	
内件 Trim	A276-304	ASTM A276-304						0Cr18Ni9
	A276-316	ASTM A276-316						0Cr17Ni12Mo2
	A276-410	ASTM A276-410						1Cr13
	A276-420	ASTM 276-420						2Cr13
	A182-F6a	ASTM A182-F6a						2Cr13
							紧固件 Fastening Piece	
螺栓 Stud	A193-B7	ASTMA193 GRAD B7	17240	40CrMoV47	1.7711	1506-630	790	35CrMoa
	A193-B7M	ASTMA193 GRAD B7M						
	A193-B8	ASTMA193 GRAD B8	17440	X5CrNI189	1.4301			0Cr18Ni9
	A193-B8A							
	A193-B8M	ASTMA193 GRAD B8M	17245	X6CrNiMoTi17 122	1.4571	1506-316	S31	0Cr17Ni12Mo2
	A320-L7	ASTM A320 GR L7	17200	42CrMo4	1.7225	4882		42CrMo
螺母 Nut	A194-2H	ASTMA194 GRAD 2H	17440	CK35	1.1181	1506-162		45
	A194-2HM	ASTM A194 GRAD 2HM						
	A194-7	ASTMA194 GRAD 7	17200	24CrMo5	1.7258	1506-162		20CrMo
	A194-8	ASTMA194 GRAD 8	17245	X6CrNiMo17 122	1.4571	1506-316	S31	0Cr18Ni9
	A194-8M	ASTMA194 GR8M	17440	X5CrNiMo 1810	1.4401			0Cr17Ni12Mo