



Forged Steel Stainless Steel 316 304 Duplex SS Check Valves With BW Ends Threaded Ends CVC-0800-1-2

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: DEYE
- Certification: ISO9001:2015 PED
- Model Number: DY-V-22
- Minimum Order Quantity: 10PCS
- Price: USD2-USD20000 each
- Packaging Details: carton box+ ply wooden cases or carton+ Pallets
- Delivery Time: 20 days for usual order, 7 days for stocked items
- Payment Terms: T/T, L/C, D/P
- Supply Ability: 1000pcs one month



Product Specification

- Highlight: Duplex ss check valves , 304 ss check valves , 316 stainless steel check valve

Product Description

check valve is a protection device that prevents the fluid from flowing in an unwanted direction within the piping system or the pipeline (as backflows may damage upstream equipment). The check valve lets the fluid flow in the desired direction only (if there is enough pressure), and blocks any flow in the opposite direction. Also, the valve closes automatically when the pressure drops. It is therefore critical that the valve is installed with a proper orientation.

Product Information / Product Description / Basis Information / Specification

Standard	BS1868 check valve BS1873/ /BS 5352 cast and forged Globe valve API600 Bolted Bonnet Steel Gate Valves for Petroleum and Natural Gas Industries API602 Forged Steel valves API603 Stainless steel valve API6D Gate valve, Plug valve and Ball valve API609 Butterfly valve API594 Wafer, Lug check valve
Types	Butterfly Valves, Ball valves, gate valves, check valves, globe valves, Plug valves, strainers
Size	1/2"-48 DN15-DN1200" globe valve is 1/2" to 16"
End Connection	Flange Ends, RF, FF, RTJ, LM, BW ends, threaded ends NPT, BSPT, BSPP, Socket Welded Ends
Pressure Range	CL150LBS, 300LBS, 600LBS, 800LBS 900LBS, 1500LBS, 2500LBS PN6 PN10 PN16 PN25 PN40. PN64 PN110, PN160, PN250, PN420
Surface	Acid pickling, Polished, Galvanized, Painting, epoxy Power Coated

Material List Grade

Main Ingredients	Standards							
	Castings				Bar or Forgings			
	ASTM	DIN (W.-Nr.)	UNS-No.	JIS	ASTM	DIN (W.-Nr.)	UNS-No.	JIS
Martensitic Stainless Steel								
13Cr-4Ni-0.8Mo	A743 CA6NM	1.4313	J91540	SCS6	A276 S41500	1.4313	S41500	
Austenitic Stainless Steel								
18Cr-8Ni	A351 CF8	1.4308	J92600	SCS1 3A	A276 304	1.4301	S30400	SUS 304
18Cr-8Ni-LS ⁽¹⁾								
18Cr-8Ni-LC ⁽²⁾	A351 CF3	1.4306	J92500	SCS1 9A	A276 304L	1.4306	S30403	SUS 304L
18Cr-9Ni-2Mo	A351 CF8M	1.4408	J92900	SCS1 4A	A276 316	1.4401	S31600	SUS 316
18Cr-9Ni-2Mo-LS ⁽¹⁾								
18Cr-9Ni-2Mo-LC ⁽²⁾	A351 CF3M	1.4404	J92800	SCS1 6A	A276 316L	1.4404	S31603	SUS 316L
18Cr-10Ni-Nb	A351 CF8C	1.4552	J92710	SCS2 1	A276 347	1.455	S34700	SUS 347
18Cr-12Ni-3.5Mo	A351 CG8M		J93000		A276 317	1.4449	S31700	SUS 317
18Cr-12Ni-3.5Mo-LC ⁽²⁾	A351 CG3M		J92999		A276 317L	1.4438	S31703	SUS 317L
18Cr-13Ni-4.5Si								
21Cr-29Ni-2.5Mo-3.5Cu	A351 CN7M	1.4536	J95150	SCS2 3	A473 N08020	2.466	N08020	
21Cr-29Ni-2.7Mo-3.2Cu-LC ⁽²⁾	A990 CN3MCu							
25Cr-20N	A351 CK20		J94202	SCS1 8	A276 310S	1.4845	S31008	SUS 310S
33Ni-20Cr-45Fe-Nb	A351 CT15C	1.4859	N28820		B408 N08800	1.4876	N08800	NCF800
Super Austenitic Stainless Steel								
21Cr-24Ni-6.5Mo-N	A351 CN3MN				B691 N08367		N08367	SUS 836L
25Cr-24Ni-6.5Mo-N	A351 CN3MN mod.							

20Cr-18Ni-6.5Mo-N-Cu	A351 CK3MCuN		J93254		A276 S31254		S31254	
Duplex Stainless Steel								
22Cr-5Ni-3Mo-N	A995 Gr.4A CD3MN		J92205		A276 UNS32205	1.4462	S32205	SUS 329J3L
25Cr-5Ni-Mo-Cu	A890 Gr.1A CD4MCu		J93370		A790 UNS31260		S31260	
Super Duplex Stainless Steel								
25Cr-7Ni-3Mo-N				SCS10	A479 S32750	1.446	S32750	SUS 329J4L
28Cr-7Ni-4Mo-N				SCS10 mod.				
25Cr-7Ni-3Mo-Cu-N-W	A890 Gr.6A CD3MWCuN	1.4468	J93380		A479 S32750	1.446	S32750	
25Cr-7Ni-4Mo-N	A890 Gr.5A CE3MN		J93404		A479 S32750	1.446	S32750	

High Temperature Material CF8, 304, 304H CF8M, 316, 316H CK-20, 310, 310H WC4, WC5, F2, WC6, F11C1.2, F12C1.2, WC9, F22C1.3, C5, F5, WC4, WC5, F2, WC6, F11C1.2, F12C1.2, WC9, F22C1.3, C5, F5

Low Temperature Material A352 LCB, LCC, LC1 LC2, LC3, LC4, CF8M, CF8, CF3M
Alloy Material: Bronze, IN Conoy, DUPLEX SS, Alloy 20, Hastelloy C 276, Hastelloy B

Technical Pressure Test

Shell Test	1.5xworking pressure				
Seal Test	1.1x Working Pressure				
air test for seal	0.6Mpa by air				
Valve Size	Minimum Test Duration (Seconds)				
DN	NPS	Shell , 夕	Backseat (for Valves with Backseat Featu_re)	Closure Check Valves (API 594)	Closure Other Valves
≤50	≤ 2"	15	15	60	15
65 to 150	2 1/2" to 6"	60	60	60	60
200 to 300	8"-12"	120	60	120	120
≥350	≥14"	300	60	120	120
a The test duration is the period of inspection aft the valve is fully prepared and is unde full pressure.					

Maximum allowable Leakage Rates for Closure Test							
Valve Size		All Resilient Seated Valves	Metal Seated Valves Except Check		Metal Seated Check Valves		
DN (mm)	NPS		Liquid Test (drops/minute)	Gas. Test (bubbles/minute)	Liquid Test (cc/min)	Gas Test (m3/h)	Gas Test (ft3/h)
≤50	≤2	0	0	0	6	0.08	3
65	2 1/2	0	5	10	7.5	0.11	3.75
80	3	0	6	12	9	0.13	4.5
100	4	0	8	16	12	0.17	6
125	5	0	10	20	15	0.21	7.5
150	6	0	12	24	18	0.25	9
200	8	0	16	32	24	0.34	12
250	10	0	20	40	30	0.42	15
300	12	0	24	48	36	0.5	18
350	14	0	28	56	42	0.59	21
400	16	0	32	64	48	0.67	24
450	18	0	36	72	54	0.76	27
500	20	0	40	80	60	0.84	30
600	24	0	48	96	72	1.01	36
650	26	0	52	104	78	1.09	39
700	28	0	56	112	84	1.18	42
750	30	0	60	120	90	1.26	45
800	32	0	64	128	96	1.34	48
900	36	0	72	144	108	1.51	54
1000	40	0	80	160	120	1.68	60
1050	42	0	84	168	126	1.76	63
1200	48	0	96	192	144	2.02	72

- a For the liquid test, 1 ml is considered equivalent to 16 drops.
- b There shall be no leakage for the minimum specified test duration . For liquid test, 0 drops means no visible leakage per minimum specified test duration. For gas test, 0 bubbles means less than 1 bubble per minimum specified test duration.

Check Valves catalogue pages / Dimension List



www.deyepiping.com

锻钢止回阀

Forged steel check valves

采用以下结构Construction is as follows

全径或缩径;
Full port or conventional port;
升降式止回阀
Lift type check valves;
球式止回阀
Ball type check valves;
旋启式止回阀
Swing type check valves;
按需求内置弹簧
According to requirement equip inside spring;
螺栓连接、缠绕垫片密封式阀盖
Bolted bonnet & spiral wound gasket seal bonnet;
螺纹连接、全焊密封式阀盖以及螺纹连接压力自紧式阀盖;
Bolted bonnet with spiral-wound gasket, threaded and seal welded bonnet or threaded and pressure seal bonnet;
承插端符合: ASME B16.11
Socket weld ends to ASME B16.11
螺纹连接端 (NPT) 符合 ANSI/ASME B1.20.1.
Screwed ends (NPT) to ANSI/ASME B1.20.1.
阀座可变换为软密封、网瓣、球型阀座。
Disc can change for soft seal disc and ball disc.

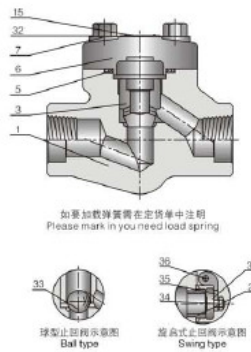


锻钢止回阀有三种阀盖设计形式。第一种是螺栓式阀盖。按这种设计形式设计的阀门，其阀体与阀盖用螺栓连接，缠绕垫片（304夹性石墨制造）密封。客户有特殊要求时也可采用金属环连接。第二种设计形式是焊接式阀盖。按这种设计形式的阀门，其阀体与阀盖用螺纹连接，全焊密封。客户有特殊要求时也可采用全焊透连接。第三种是压力自紧式阀盖。按这种设计形式设计的阀门，其阀体与阀盖用螺纹连接，内压自密封环密封。

valves are available in three bonnet designs. The first design is the Bolted Bonnet, with male-female joint, spiral wound gasket, maded in F304L/graphite. Ring joint gasket are also available on request. The second design is the welded bonnet, with a threaded and seal welded joint. On request a full penetration strength welded joint is available, the third design is the pressure seal bonnet, with a threaded and pressure seal bonnet joint.



内螺纹与承插焊止回阀
Female threaded and socket welded check valves



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应用规范 Application standards

- 1、设计制造 Design and manufacture conform to: BS5352
- 2、连接端尺寸 Connection ends conform to:
 - 1) 承插口尺寸按 Screw ends dimension conform to ANSI B16.11; JB/T1751
 - 2) 螺纹端尺寸按 Screw ends dimension conform to ANSI B1.20.1; JB/T7306
- 3) 对焊端尺寸按 Test and inspection conform to ANSI B16.25; JB/T12224
- 4) 法兰端尺寸按 Structure features: ANSI B16.5; JB79
- 3、阀门检查和试验 Test and inspection conform to: API598; GB/T13927; JB/T9092
- 4、结构特征 structure features:
 - 螺栓连接阀盖 (B.B) Bolted bonnet
- 5、材料材料 Materials conform to ANSI/ASTM 的规定。
- 6、主体材料 Main materials:
 - A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20合金等 Alloy。

碳钢温度等级 Carbon steel temperature-pressure rate

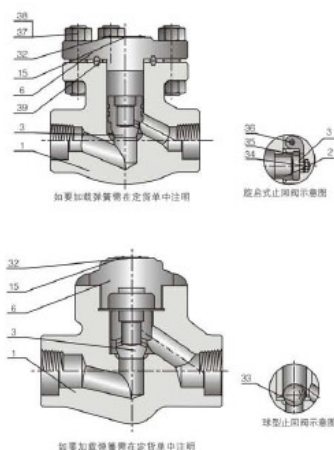
CL150-285P.S.I @100° F
CL300-740P.S.I @100° F
CL600-1480P.S.I @100° F
CL800-1975P.S.I @100° F
CL1500-3705P.S.I @100° F

典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	座圈 Seat ring	410	410HF	304	410HF	304(L)	316(L)	F51
3	阀瓣 Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
5	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite
6	阀盖 Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓 Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
15	铭牌 Nameplate	AL	AL	AL	AL	AL	AL	AL
32	螺钉 Rivet	AL	AL	AL	AL	AL	AL	AL
33	钢球 Steel ball	430	430	304	STL	F316(L)	316(L)	STL
34	阀瓣螺母 Disc nut	2H	2H	8	8	8(M)	8(M)	8M
35	摇臂 Hinge	410	410	304	410	316(L)	316(L)	F51
36	销轴 Pin	410	410	304	410	304(L)	316(L)	F51



内螺纹与承插焊止回阀
Female threaded and socket welded check valves



应用规范Application standards

- 1、设计制造Design and manufacture conform to:
BSS352 MSS SP-118
- 2、连接端尺寸Connection ends conform to:
1) 承插口尺寸按Screw ends dimension conform to
ANSI B16.11; JB/T1751
2) 螺纹端尺寸按Screw ends dimension conform to
ANSI B1.20.1; JB/T7306
3) 对焊端尺寸按Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
- 3、阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
- 4、结构特征structure features:
体盖连接垫片采用金属环 (R.J)
Gasket for bonnet connect adopt metal ring.
螺栓连接阀盖 (B.B) 焊接阀盖 (W.B)
Bolted bonnet, welded bonnet
- 5、材料按Materials conform to ANSI/ASTM的规定。
- 6、主体材料Main materials:
A105; LF2; F5; F11; F22; 304(L); 316(L);
F347; F321; F51; Monel; 20合金等Alloy。

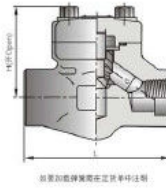
碳钢温压等级 Carbon steel temperature-pressure rate

CL150-285 P.S.I @100° F
CL300-740 P.S.I @100° F
CL600-1480 P.S.I @100° F
CL800-1975 P.S.I @100° F
CL1500-3705 P.S.I @100° F
CL2500-6170 P.S.I @100° F

典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	座圈Seat ring	410	410HF	304	410HF	304(L)	316(L)	F51
3	阀瓣Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
32	销钉Pin	AL	AL	AL	AL	AL	AL	AL
33	钢球Steel ball	430	430	304	STL	316(L)	316(L)	STL
34	阀瓣螺母 Disc nut	2H	2H	8	8	8(M)	8(M)	8(M)
35	摇臂Hinge	410	410	304	410	316(L)	316(L)	F51
36	销轴Pin	410	410	304	410	304(L)	316(L)	F51
37	双头螺栓 Screwed stud	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)
38	螺母Nut	2H	2H	8	8	8(M)	8(M)	8(M)
39	金属环 Metal ring	304	304	304	304	304(L)	316(L)	F51

内螺纹与承插焊止回阀 Female threaded and socket welded check valves



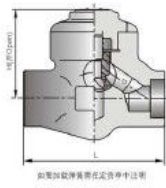
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螺栓阀盖，螺栓和全径。
未端连接为螺栓承插焊或对焊，设计按：BS5352
Bolted bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

CL800

规格 (NPS) Specification	口径(R.P) 全径(F.P)								
		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	
结构长度 (mm) Face to face	L	79	79	92	111	120	152	172	220
		79	79	92	111	120	120	140	178
中心高度(开)(mm) Height	H	61	61	61	78	84	84	118	132
		61	61	61	78	84	84	120	133
流通孔径 (mm) Flow port dimension	d	7	9	13	17.5	23	30	35	46
		8	10.5	13.5	18	24	29	36.5	45
重量Weight约(Kg)		1.2	1.5	1.7	3.3	4.2	4.2	10.5	12.5
		1.4	15	1.7	3.3	4.2	4.2	8.5	10.9



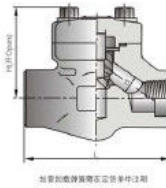
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螺栓阀盖，螺栓和全径。
未端连接为螺栓承插焊或对焊，设计按：BS5352
Bolted bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

CL800

规格 (NPS) Specification	口径(R.P) 全径(F.P)	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	
		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L	79	79	92	111	120	152	172	220
		79	79	92	111	120	120	140	178
中心高度(开)(mm) Height	H	61	61	61	78	84	103	118	132
		61	61	61	78	84	103	118	132
流通孔径 (mm) Flow port dimension	d	7	9	13	17.5	23	30	35	46
		8	10.5	13.5	18	24	29	36.5	45
重量Weight约(Kg)		1.2	1.3	1.5	3.0	3.9	6.0	10	12
		1.2	1.3	1.5	3.0	3.9	6.0	10	12



如要加配螺母请在订货单中注明

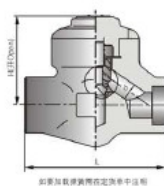


螺栓阀盖，螺栓和全径。
未端连接为螺栓承插焊或对焊，设计按：BS5352
Bolted bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

CL900-CL1500

规格 (NPS) Specification	口径(R.P) 全径(F.P)	1/2	3/4	1	1 1/4	1 1/2	2		
		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L	92	111	111	120	152	172	220	
		92	111	111	120	120	140	178	
中心高度(开)(mm) Height	H	61	78	78	84	103	118	132	
		61	78	78	84	101	120	133	
流通孔径 (mm) Flow port dimension	d	7	12	15	20	28	32	40	
		8	10.5	13.5	18.7	24	29	45	
重量Weight约(Kg)		1.5	3.4	3.3	4.2	6.3	10.5	12.5	
		1.5	3.4	3.3	4.2	5.0	8.5	10.9	

内螺纹与承插焊止回阀 Female threaded and socket welded check valves



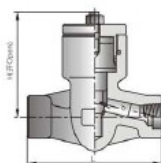
如果加取标准则在表中注明



CL900-CL1500

焊接阀盖，缩径和全径。
末端连接为螺纹承插焊或对焊，设计按 BS5352
Welded bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

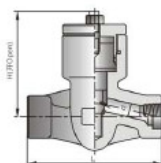
规格 (NPS) Specification	缩径(R.P)	1/2	3/4	1	1 1/4	1 1/2	2	
全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L	92	111	111	120	152	172	220
中心高度(开)(mm) Height	H	61	78	78	84	103	118	132
流道孔径 (mm) Flow port dimension	d	7	12	15	20	28	32	40
重量Weight(约)(Kg)		1.3	3.1	3.1	3.9	5.8	10.0	11.5



CL900-CL1500

压力自紧式阀盖，缩径和全径。
末端连接为螺纹承插焊或对焊，设计按 BS5352
Pressure seal bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

规格 (NPS) Specification	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	
结构长度 (mm) Face to face	L		140	140	140	178	216	216		
中心高度(开)(mm) Height	H		117	117	117	152	195	195		
流道孔径 (mm) Flow port dimension	d		12	15	20	28	28	40		
重量Weight(约)(Kg)			7.5	7.0	6.8	18.5	18.5	22		



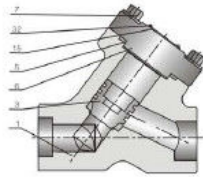
压力自紧式阀盖，全径。
末端连接为螺纹承插焊或对焊，设计按 ASME B16.34
Pressure seal bonnet, full port
Threaded, butt-welded or socket welded ends; design to ASME B16.34

CL2500

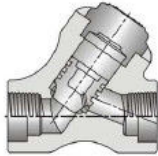
规格 (NPS) Specification	全径(F.P)	1/4	3/8	1/2	3/4	1	1¼	1½	2
结构长度 (mm) Face to face	L			186	186	186	232	232	279
中心高度(开)(mm) Height	H			117	117	117	152	150	195
流道孔径 (mm) Flow port dimension	d			11	14	14	25	28	35
重量Weight(约)(Kg)				11.8	11	11	23	26.4	39



内螺纹焊接Y型止回阀
Female threaded welded Y type check valves



如要加载弹簧需在订货单中注明



应用规范Application standards

1. 设计制造Design and manufacture conform to:
BS5352 MSS SP-118
2. 连接端尺寸Connection ends conform to:
1) 承插口尺寸按Screw ends dimension conform to
ANSI B16.11; JB/T11751
2) 螺纹端尺寸按Screw ends dimension conform to
ANSI B1.20.1; JB/T7306
3) 对焊端尺寸按Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
3. 阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
4. 结构特征structure features:
螺栓连接阀盖 (B.B) 焊接阀盖 (W.B)
Bolted bonnet, welded bonnet
5. 材料按Materials conform to ANSI/ASTM的规定。
6. 主体材料Main materials:
A105; LF2; F5; F11; F22; 304(L); 316(L);
F347; F321; F51; Monel; 20合金等Alloy。

碳钢温压等级 Carbon steel temperature-pressure rate

CL1500-3705 P.S.I @100° F
CL2500-6170 P.S.I @100° F
CL4500-1111 P.S.I @100° F

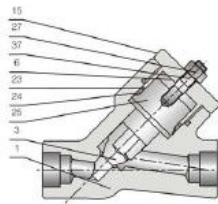
典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣Disc	410	410HF	304	410HF	304(L)	316(L)	F51
5	垫片Gasket	304+柔性石墨 304+柔性石墨 304+柔性石墨 304+柔性石墨 304+柔性石墨 316+柔性石墨 316+柔性石墨 Flexible graphiteFlexible graphiteFlexible graphiteFlexible graphiteFlexible graphiteFlexible graphiteFlexible graphite						
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
32	铆钉Rivet	AL	AL	AL	AL	AL	AL	AL
33	钢球Steel ball	403	403	304	STL	316(L)	316(L)	STL



Y型自密封止回阀

Y type pressure sealed check valves



应用规范Application standards

1. 设计制造Design and manufacture conform to:
ASME B16.34 MSS SP-118
2. 连接端尺寸Connection ends conform to:
 - 1) 承插口尺寸按Screw ends dimension conform to ANSI B16.11; JB/T1751
 - 2) 螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1; JB/T7306
 - 3) 对焊端尺寸按Test and inspection conform to ANSI B16.25; JB/T12224
 - 4) 法兰端尺寸按Structure features:
ANSI B16.5; JB/T9
3. 阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
4. 结构特征structure features:
螺栓连接阀盖压力自紧式密封: Y型或T型结构
A threaded and pressure seal bonnet: Y type and T type
5. 材料按Materials conform to ANSI/ASTM的规定。
6. 主体材料Main materials:
A105; LF2; F5; F11; F22; 304(L); 316(L);
F347; F321; F51; Monel; 20合金等Alloy。

碳钢温压等级 Carbon steel temperature-pressure rate

CL1500-3705 P.S.I @100° F
CL2500-6170 P.S.I @100° F
CL4500-1111 P.S.I @100° F

典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6a+HF	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣Disc	F6a	F6a	304	F6aHF	F304(L)	F316(L)	F51
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
23	密封圈垫片 Seal ring gasket	420	420	304	304	304(L)	316(L)	41
24	自密封圈 P.S.ring	304	304	304	304	316L	316L	316L
25	自密封座 P.S.seat	F410	F410	F304	F410	F304	F316	F51
27	提升螺母 Lift nut	2H	2H	8	8	8(M)	8(M)	8M
37	提升螺栓 Lift stud	B7	B7	L7	B16	B8(M)	B8(M)	B8M

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Application:

Valve is a universal component industrial product that is widely used in many industries, such as petroleum, petrochemical, chemical, metallurgy, power, water conservancy, urban construction, machinery, coal, food, Sea water, Oil Refining, environment, energy.
Steam, LPG.

Reference Standard:

API 600: cast carbon and alloy valves
API 603: stainless steel valves
API 602/BS 5352: forged valves
API 6D: slab and through conduit valves for pipelines
API 598 and BS EN 12266-1: valves testing
ASME B16.10: face to face dimensions for valves
ASME B16.5 and ASME B16.47: flanged connections
ASME B16.25: butt weld connections design
ASME B16.34: Pressure ratings pressure and temperature ratings by material grade
ISO 7-1:1994, Pipe threads where pressure-tight joints are made on the threads — Part 1: Dimensions, tolerances and designation.
ISO 4200:1991, Plain end steel tubes, welded and seamless — Dimensions.
ISO 5208:1993, Industrial valves — Pressure testing of valves.
ISO 5209:1977, General purpose industrial valves — Marking.
ISO 5210:1991, Industrial valves — multi-turn valve actuator attachments.
ISO 5752: — 1), Metal valves for use in flanged pipe systems — Face-to-face and center-to-face dimensions.
ISO 6708:1995, Pipework components — Definition and selection of DN (nominal size) .
ISO 7005-1:1992, Metallic flanges — Part 1: Steel flanges.
ISO 7268:1983, Pipe components — Definition of nominal pressure.
ASME B1.1:1989, Unified inch screw threads (UN and UNR thread form) .
ASME B1.5:1988 (R1994), Acme screw threads.
ASME B1.8:1988 (R1994), Stub Acme screw threads.
ASME B1.12:1987 (R1992), Screw threads — Class 5 interference — Fit thread.

ASME B1.20.1:1983 (R1992), Pipe threads, general purpose (inch) .
ASME B16.5:1996, Pipe flanges and flanged fittings.
ASME B16.34:1996, Valves — Flanged, threaded and welding end.
ASME B18.2.2:1987 (R1993), Square and hex nuts (inch series) .
ASTM A193:1996, Specification for alloy steel and stainless-steel bolting materials for high-temperature service.
ASTM A194:1996, Specification for carbon and alloy steel nuts for bolts for high-pressure and high-temperature service.
ASTM A307:1994, Specification for carbon steel bolts and studs, 60 000 psi tensile strength.
MSS SP-55:1985 (R1990), Quality standard for steel castings, visual surface examination.
1) To be published. (Revision of ISO 5752:1982)

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