

目录 CONTENTS

01 球阀系列 Ball Valve Series

- 02 国标法兰球阀(化工部/机械部)Flange Ball Valve (HG/JB)
- 03-05 国标高平台法兰球阀(化工部/机械部)Flanged Ball Valve With Mounting Pad (HG/JB)
- 06 美标法兰球阀ANSI Flange Ball Valve
- 07-08 美标高平台法兰球阀ANSI Flange Ball Valve With Mounting Pad
- 09 日标法兰球阀JIS Flange Ball Valve
- 10-11 日标高平台法兰球阀JIS Flange Ball Valve With Mounting Pad
- 12-13 德标高平台法兰球阀DIN Flange Ball Valve With Mounting Pad
- 14 俄标法兰球阀GOST Flange Ball Valve
- 15 三片法兰球阀(高平台)3PC Flange Ball Valve(Pad)
- 16 三片式高平台法兰球阀3PC Flange Ball Valve With Mounting Pad
- 17-18 三通法兰球阀3 Way Flange Ball Valve
- 19 法兰方形三通高平台球阀ISO5211 Pad 3 Way Flange Ball Valve With Squire Body
- 20 超薄对夹式球阀(高平台)Wafer Type Ball Valve(pad)
- 21 迷你内外螺纹球阀M/F Mini Ball Valve
- 22 迷你双内螺纹球阀F/F Mini Ball Valve
- 23 迷你双外螺纹球阀M/M Mini Ball Valve
- 24 一片式球阀1PC Ball Valve
- 25 一片式碳钢球阀1PC Carbon Steel Ball Valve
- 26 二片式球阀2PC Ball Valve
- 27 二片式内外螺纹球阀(高平台)M/F 2PC Ball Valve(PAD)
- 28 二片式德标球阀2PC DIN Ball Valve
- 29 二片式快装球阀2PC Clamp Ball Valve
- 30 二片式螺纹高平台球阀2PC Thread Ball Valve With Mounting Pad
- 31 三片式球阀(高平台)3PC Ball Valve(New ISO5211 Pad)
- 32 三片式对焊球阀(高平台)3PC Butt Weld Ball Valve(ISO 5211 Pad)
- 33 三片式承插焊球阀(高平台)3PC Socket Weld Ball Valve (ISO 5211 Pad)
- 34 三片式快装球阀(高平台)3PC Clamp Ball Valve(New ISO5211 Pad)
- 35 三片式2000WOG高平台球阀2000WOG 3PC Ball Valve With Mounting Pad
- 36 三片式加长对焊球阀(高平台)Long Welding 3PC Ball Valve (Pad)
- 37 三通快装球阀(高平台)3WAY Clamp Ball Valve (New ISO5211 Pad)
- 38-39 三通螺纹球阀(高平台)3WAY Thread Ball Valve (New ISO5211 Pad)
- 40 气动执行器Pneumatic Actuator
- 41-42 电动执行器Electric Actuator
- 43-44 法兰电动球阀Flange Ball Valve With Electric Actuator
- 45 气动球阀Ball Valve With Pneumatic Actuator
- 46 电动球阀Ball Valve With Electric Actuator
- 47-50 锻钢球阀Forged Steel Ball Valve
- 51-52 美标锻钢球阀ANSI Forged Steel Ball Valve

02 法兰闸/截/止系列 Flange Gate/Globe/Check Valve Series

- 54-56 国标铸钢闸阀GB Cast Steel Rising Stem Gate Valve
- 57-58 国标铸钢暗杆闸阀GB Cast Steel Non Rising Stem Gate Valve
- 59-60 美标法兰闸阀ANSI Flange Gate Valve
- 61 日标法兰闸阀JIS Flange Gate Valve
- 62 法兰电动闸阀Flange Electric Gate Valve
- 63-65 国标法兰截止阀GB Flange Globe Valve
- 66 美标法兰截止阀ANSI Flange Globe Valve
- 67 日标法兰截止阀JIS Flange Globe Valve
- 68 美标、日标法兰旋启式止回阀ANSI、JIS Flange Swing Check Valve
- 69 法兰升降式止回阀国、日、美标GB / JIS / ANSI Flange Lift Check Valve
- 70 国标法兰立式止回阀GB Flange Vertical Check Valve

03 丝扣闸/截/止系列 Screw Gate/Globe/Check Valve Series

- 72 丝扣闸阀Thread Gate Valve
- 73 丝扣截止阀Thread Globe Valve
- 74 旋启式止回阀Swing Check Valve
- 75 H12W立式止回阀H12W Vertical Check Valve
- 76 H71W对夹式止回阀H71W Wafer Check Valve
- 77 H77对夹式双盘止回阀H77 Double Disc Wafer Check Valve
- 78 H74W单盘止回阀H74W Single Disc Check Valve
- 79 Y型内螺纹止回阀Y-Type Thread Check Valve
- 80 Y型内螺纹过滤器Y-Type Female Thread Strainer

04 锻钢阀门系列 Forged steel Gate/Globe/Check Valve Series

- 82 锻钢闸阀、截止阀、止回阀系列Forged Steel Gate Valve, Globe Valve, Check Valve
- 83 锻钢闸阀Forged Steel Gate Valve
- 84 锻钢截止阀Forged Steel Globe Valve
- 85 锻钢止回阀Forged Steel Check Valve
- 86 锻钢低温球阀Forged Steel Low Temperature Ball Valve
- 87 锻钢法兰闸阀、截止阀、止回阀系列Forged Steel Flange Gate Valve, Globe Valve, Check Valve
- 88 锻钢法兰闸阀Forged Steel Flange Gate Valve
- 89 锻钢法兰截止阀Forged Steel Flange Globe Valve
- 90 锻钢法兰止回阀Forged Steel Flange Check Valve

05 过滤器系列 Filter Series

- 92 GL41H国标Y型过滤器Y Type Flange Filter(GB)
- 93 美标Y型过滤器ANSI Y-Type Filter(150/300/600LB)
- 94 德标Y型过滤器DIN Y-Type Filter
- 95 日标Y型法兰过滤器JIS Y-Type Flange Filter
- 96 SRY焊制Y型法兰过滤器Welded Y-Type Flange Filter

06 管件系列 Pipe Fittings Series

- 98-101 不锈钢丝扣管件系列Stainless Steel Thread Fittings
- 102 高压管件系列High-Pressure Fittings Series
- 103-104 承插焊管配件Socket-Welding Fittings
- 105-107 螺纹管配件Threaded Fittings
- 108 六角双接头Hex Nipples
- 109 内外螺纹弯头Street Elbows
- 110 无缝钢管和无缝不锈钢管尺寸表Dimensions Of Seamless Steel Pipe And Seamless Stainless Steel Pipe



01

Ball Valve Series 球阀系列



累积点滴改善
迈向完美品质

Accumulated improvements
Towards Perfect Quality



wenzhou wofer valve co.,ltd

国标法兰球阀(化工部/机械部)PN10/PN16/PN40 YZQ41F2-GB
Flange Ball Valve (HG/JB)

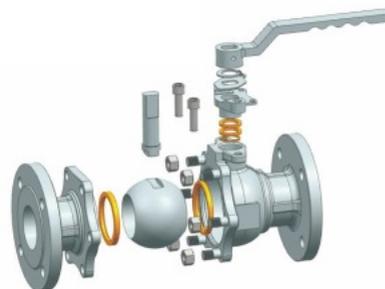
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技术要求 Technical requirement

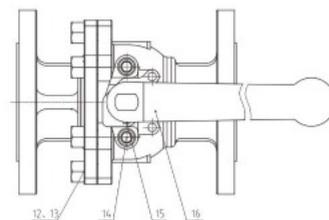
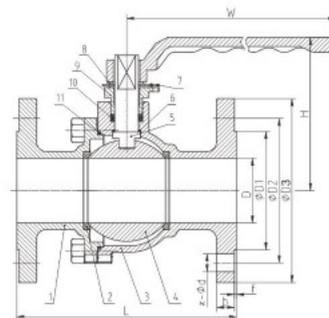
1. 设计制造:GB/T-12237;
2. 法兰尺寸参照:HG/T-20592(化工部)
JB/T-79.1(机械部)
3. 法兰长度:GB/T-12221;
4. 检测与测试:GB/T-13927(化工部);GBT-13927,
JB/T-9092(机械部)
5. 适用温度:-40°C~280°C;

1. Design and manufacture : GB / T-12237
2. Flange size : HG / T-20592 (chemical industry)
JB / T-79.1 (Mechanical Department)
3. Flange length : GB / T-12221
4. Inspection and test : GB / T-13927 (chemical industry)
GB / T-13927,JB / T-9092 (Mechanical Department)
5. Applicable temperature : -40°C~280°C



配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀盖Bonnet	WCB / 304 / 316
2	阀座Seat	RPTFE PTFE PEEK PPL
3	阀体Body	WCB / 304 / 316
4	球Ball	304 / 316
5	阀杆Stem	304 / 316
6	密封垫Gasket	RPTFE PTFE PEEK PPL
7	定位片Locating piece	304
8	卡簧Circlip	304
9	压盖Gland	304 / 316
10	填料Packing	RPTFE PTFE PEEK PPL
11	线圈Sealing ring	RPTFE PTFE PEEK PPL
12	螺栓Bolt	304
13	螺母Nut	304
14	内六角螺栓Hexagon socket Screw	304
15	紧定螺钉 Set screw	304
16	手柄 Handle	201

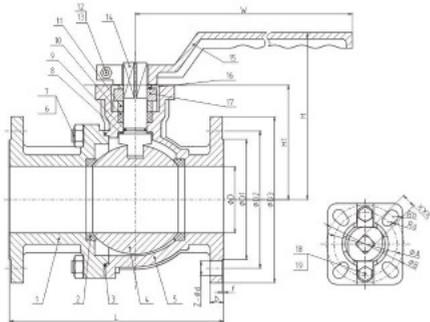
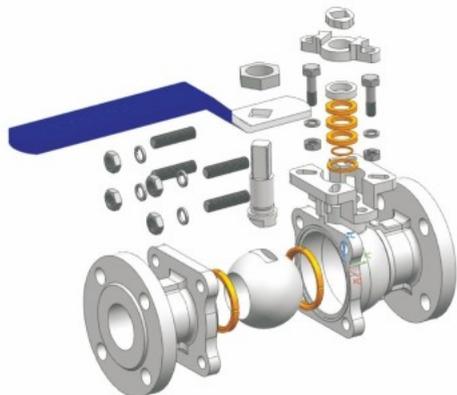


球阀系列

BALL VALVE SERIES

YZQ41F2-GB

国标高平台法兰球阀(化工部/机械部)PN16/PN40/PN64 Flanged Ball Valve With Mounting Pad (HG/JB)



特征 Features

全通径 Full part, 1/2"(DN15~DN300)
工作压力 WP: PN16/40
工作温度 W.P.: -40°C~280°C
精密铸造 Investment casting
阀杆防曝出装置设计 Blow-out proof stem
防静电装置(可选) Anti-static device(option)
带锁手柄 Locking device handle
ISO5211直高平台设计 ISO5211 Direct mounting pad
API607防火结构(可选) API607 Fire safe(option)
自动化装置(可选) Automation accessories(option)

技术要求 Technical requirement

1. 设计标准: GB/T-12237
2. 法兰标准: HG/T-20592(化工部), JB/T-79.1(机械部)
3. 结构长度: GB/T-12221(化工部), JB/T-1686(机械部)
4. 平台参照标准: ISO5211-2001
5. 检查与测试: GB/T-13927, JB-9092
6. 适用温度: -40°C~280°C

1. Design standard: GB/T-12237
2. Flange standard: GB/T-20592(chemical industry), JB/T-79.1(Mechanics)
3. Structure length: GB/T-12221(chemical industry), JB/T-1686(Mechanics)
4. Platform Reference standard: ISO5211-2001
5. Inspection and test: GB/T-13927, JB/T-9092
6. Applicable temperature: -40°C~280°C

材质清单 Materials list

序号 No.	名称 Name	材料 Material
1	阀盖 Bonnet	WCB / 304 / 316
2	阀座 Seat	RPTFE PTFE PEEK PPL
3	线圈 Sealing ring	RPTFE PTFE PEEK PPL
4	球 Ball	304 / 316
5	阀体 Body	WCB / 304 / 316
6	螺栓 Bolt	304 / 316
7	螺母 Nut	304 / 316
8	密封垫 Gasket	RPTFE PTFE PEEK PPL
9	O型密封圈 O-ring	VITON
10	填料 Packing	RPTFE PTFE PEEK PPL
11	压圈 Pressing ring	304 / 316
12	内六角螺栓 Hexagon socket Screw	304
13	螺母 Nut	304
14	阀杆 Stem	304 / 316
15	手柄 Handle	201
16	定位片 Locating piece	304 / 316
17	压板 Pressing plate	304 / 316
18	螺栓 Bolt	304
19	螺母 Nut	304



国标高平台法兰球阀(化工部)PN16/PN40/PN64 Flanged Ball Valve With Mounting Pad (HG)

YZQ41F2-GB

wenzhou wofer valve co.,ltd

+8618267833722

外形尺寸 Outline size PN16 化工部 Ministry of chemical industry(HG)

SIZE	DN	D	D1	D2	L(短)	L(长)	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	95	65	45	130	140	87	55	108	16-2	4-14	9x9	3	3.5	50	50	F03/F05
3/4"	20	105	75	58	140	150	92	60	120	16-2	4-14	9x9	3	3.5	50	50	F03/F05
1"	25	115	85	68	150	160	102	67	165	18-2	4-14	11x11	3	3.5	50	50	F04/F05
1-1/4"	32	140	100	78	165	180	111	76	180	18-2	4-18	11x11	3	3.5	50	50	F04/F05
1-1/2"	40	150	110	88	180	200	123	85	240	18-2	4-18	14x14	3.5	4.5	70	70	F05/F07
2"	50	165	125	102	203	230	131	93	240	18-2	4-18	14x14	3.5	4.5	70	70	F05/F07
2-1/2"	65	185	145	122	222	290	157	113	320	18-2	8-18	17x17	4.5	5.5	102	102	F07/F10
3"	80	200	160	138	254	310	170	126	350	20-2	8-18	17x17	4.5	5.5	102	102	F07/F10
4"	100	220	180	158	280	350	185	141	400	20-2	8-18	17x17	4.5	5.5	102	102	F07/F10
5"	125	250	210	188	320	400	255	170	650	22-2	8-18	22x22	5.5	6.5	125	125	F10/F12
6"	150	285	240	212	360	480	277	192	800	22-2	8-22	27x27	5.5	6.5	125	125	F10/F12
8"	200	340	295	268	400	600	280	234	800	24-2	8-22	27x27	6.5	8.5	140	140	F12/F14

外形尺寸 Outline size PN40 化工部 Ministry of chemical industry(HG)

SIZE	DN	D	D1	D2	L(短)	L(长)	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	95	65	45	130	140	87	55	108	16-2	4-14	9x9	3	3.5	36	50	F03/F05
3/4"	20	105	75	58	140	150	92	60	120	18-2	4-14	9x9	3	3.5	36	50	F03/F05
1"	25	115	85	68	150	160	102	67	165	18-2	4-14	11x11	3	3.5	42	50	F04/F05
1-1/4"	32	140	100	78	165	180	111	76	180	18-2	4-18	11x11	3	3.5	42	50	F04/F05
1-1/2"	40	150	110	88	180	200	123	85	240	18-2	4-18	14x14	3.5	4.5	50	70	F05/F07
2"	50	165	125	102	203	230	131	93	240	20-2	4-18	14x14	3.5	4.5	50	70	F05/F07
2-1/2"	65	185	145	112	222	290	157	113	320	22-2	8-18	17x17	4.5	5.5	70	102	F07/F10
3"	80	200	160	138	254	310	170	126	350	24-2	8-18	17x17	4.5	5.5	70	102	F07/F10
4"	100	235	190	162	280	350	185	141	400	24-2	8-22	17x17	4.5	5.5	70	102	F07/F10
5"	125	270	220	188	320	400	255	170	650	26-2	8-26	22x22	5.5	6.5	102	125	F10/F12
6"	150	300	250	218	360	480	277	192	800	28-2	8-26	27x27	5.5	6.5	102	125	F10/F12
8"	200	375	320	285	400	600	280	234	800	34-2	12-30	27x27	6.5	8.5	125	140	F12/F14

外形尺寸 Outline size PN63(PN64) 化工部 Ministry of chemical industry(HG)

SIZE	DN	D	D1	D2	L(短)	L(长)	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	105	75	45	130	140	87	55	108	20-2	4-14	9x9	3	3.5	36	50	F03/F05
3/4"	20	130	90	58	140	150	92	60	120	22-2	4-18	9x9	3	3.5	36	50	F03/F05
1"	25	140	100	68	150	160	102	67	165	24-2	4-18	11x11	3	3.5	42	50	F04/F05
1-1/4"	32	155	110	78	165	180	111	76	180	26-2	4-22	11x11	3	3.5	42	50	F04/F05
1-1/2"	40	170	125	88	180	200	123	85	240	28-2	4-22	14x14	3.5	4.5	50	70	F05/F07
2"	50	180	135	102	203	230	131	93	240	26-2	4-22	14x14	3.5	4.5	50	70	F05/F07
2-1/2"	65	205	160	112	222	290	157	113	320	26-2	8-22	17x17	4.5	5.5	70	102	F07/F10
3"	80	215	170	138	254	310	170	126	350	28-2	8-22	17x17	4.5	5.5	70	102	F07/F10
4"	100	250	200	162	280	350	185	141	400	30-2	8-26	17x17	4.5	5.5	70	102	F07/F10
5"	125	295	240	188	320	400	255	170	650	34-2	8-30	22x22	5.5	6.5	102	125	F10/F12
6"	150	345	280	218	360	480	277	192	800	36-2	8-33	27x27	5.5	6.5	102	125	F10/F12
8"	200	415	345	285	400	600	280	234	800	40-2	12-36	27x27	6.5	8.5	125	140	F12/F14



YZQ41F2-GB 国标高平台法兰球阀(机械部)PN16/PN40/PN64

Flange Ball Valve With Mounting Pad (JB)

外形尺寸 Outline size PN16 机械部 Mechanical Department(JB)

SIZE	DN	D	D1	D2	L	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	95	65	45	130	83	51	108	14-2	4-14	9x9	3	3.5	36	50	F03/F05
3/4"	20	105	75	55	130	88	56	120	14-2	4-14	9x9	3	3.5	36	50	F03/F05
1"	25	115	85	65	140	97	62	165	14-2	4-14	11x11	3	3.5	42	50	F04/F05
1-1/4"	32	140/135	100	78	165	107	72	180	16-2	4-18	11x11	3	3.5	42	50	F04/F05
1-1/2"	40	150/145	110	85	165	116	78	240	16-3	4-18	14x14	3.5	4.5	50	70	F05/F07
2"	50	165/160	125	100	203	124	86	240	16-3	4-18	14x14	3.5	4.5	50	70	F05/F07
2-1/2"	65	185/180	145	120	222	146	102	320	18-3	4-18	17x17	4.5	5.5	70	102	F07/F10
3"	80	200/195	160	135	291	159	115	350	20-3	8-18	17x17	4.5	5.5	70	102	F07/F10
4"	100	220/215	180	155	305	181	137	400	20-3	8-18	17x17	4.5	5.5	70	102	F07/F10
5"	125	250/245	210	185	320	255	170	650	22-3	8-18	22x22	5.5	6.5	102	125	F10/F12
6"	150	285/280	240	210	360	277	192	800	24-3	8-23	27x27	5.5	6.5	102	125	F10/F12
8"	200	340/335	295	265	400	280	234	800	26-3	12-23	27x27	6.5	8.5	125	140	F12/F14

外形尺寸 Outline size PN40 机械部 Mechanical Department(JB)

SIZE	DN	D	D1	D2	L	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	95	65	45	130	83	51	108	16-2	4-14	9x9	3	3.5	36	50	F03/F05
3/4"	20	105	75	55	140	88	56	120	16-2	4-14	9x9	3	3.5	36	50	F03/F05
1"	25	115	85	65	150	97	62	165	16-2	4-14	11x11	3	3.5	42	50	F04/F05
1-1/4"	32	140/135	100	78	165	107	72	180	18-2	4-18	11x11	3	3.5	42	50	F04/F05
1-1/2"	40	150/145	110	85	180	116	78	240	18-3	4-18	14x14	3.5	4.5	50	70	F05/F07
2"	50	165/160	125	100	203	124	86	240	20-3	4-18	14x14	3.5	4.5	50	70	F05/F07
2-1/2"	65	185/180	145	120	222	146	102	320	22-3	8-18	17x17	4.5	5.5	70	102	F07/F10
3"	80	200/195	160	135	254	159	115	350	22-3	8-18	17x17	4.5	5.5	70	102	F07/F10
4"	100	235/230	190	160	280	181	137	400	24-3	8-23	17x17	4.5	5.5	70	102	F07/F10
5"	125	270	220	188	320	255	170	650	28-3	8-26/25	22x22	5.5	6.5	102	125	F10/F12
6"	150	300	250	218	360	277	192	800	30-3	8-26/25	27x27	5.5	6.5	102	125	F10/F12
8"	200	375	320	282	400	280	234	800	38-3	12-30	27x27	6.5	8.5	125	140	F12/F14

外形尺寸 Outline size PN63(64) 机械部 Mechanical Department(JB)

SIZE	DN	D	D1	D2	L	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	105	75	55	130	83	51	108	18-2	4-14	9x9	3	3.5	36	50	F03/F05
3/4"	20	130/125	90	68	140	88	56	120	20-2	4-18	9x9	3	3.5	36	50	F03/F05
1"	25	140/135	100	78	150	97	62	165	22-2	4-18	11x11	3	3.5	42	50	F04/F05
1-1/4"	32	155/150	110	82	165	107	72	180	24-2	4-23	11x11	3	3.5	42	50	F04/F05
1-1/2"	40	170/165	125	95	180	116	78	240	24-3	4-23	14x14	3.5	4.5	50	70	F05/F07
2"	50	180/175	135	105	203	124	86	240	26-3	4-23	14x14	3.5	4.5	50	70	F05/F07
2-1/2"	65	205/200	160	130	222	146	102	320	28-3	8-23	17x17	4.5	5.5	70	102	F07/F10
3"	80	215/210	170	140	254	159	115	350	30-3	8-26/25	17x17	4.5	5.5	70	102	F07/F10
4"	100	250	200	168	280	181	137	400	32-3	8-26/25	17x17	4.5	5.5	70	102	F07/F10
5"	125	295	240	202	320	255	170	650	36-3	8-30	22x22	5.5	6.5	102	125	F10/F12
6"	150	345/340	280	240	360	277	192	800	38-3	8-34	27x27	5.5	6.5	102	125	F10/F12
8"	200	415/405	345	300	400	280	234	800	44-3	12-36/34	27x27	6.5	8.5	125	140	F12/F14



美标法兰球阀 ANSI Flange Ball Valve YZQ41F2-ANSI

wenzhou wofer valve co.,ltd

+8618267833722

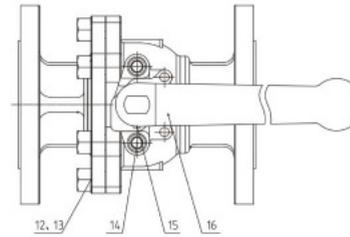
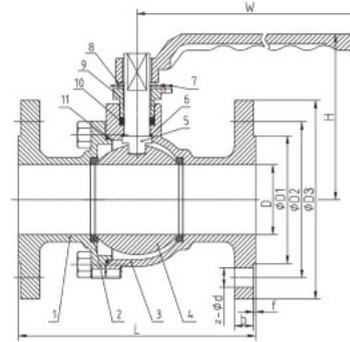


设计标准

1. 设计标准: ASME B16.34, API608, API6D
2. 法兰标准: ASME B16.5
3. 结构长度: ASME B16.10
4. 平台参照标准: ISO5211-2001
5. 检查与测试: API 598
6. 适用温度: -40°C~280°C

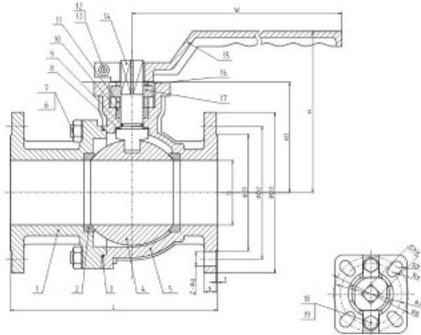
Technical requirement

1. Design standard : ASME B16.34, API608, API6D
2. Flange standard : ASME B16.5
3. Structural length : ASME B16.10
4. Platform Reference : ISO 5211-2001
5. Inspection and test : API 598
6. Applicable temperature : -40°C~280°C



材质清单 Materials list

序号 No.	零件名称 Part name	材料 Material list
1	阀盖Bonnet	WCB / 304 / 316
2	阀座Seat	RPTFE PTFE PEEK PPL
3	阀体 Body	WCB / 304 / 316
4	球Ball	304 / 316
5	阀杆 Stem	304 / 316
6	密封垫Gasket	RPTFE PTFE PEEK PPL
7	定位片Locating piece	304
8	卡簧Spring	304
9	压盖Gland	304 / 316
10	填料Packing	RPTFE PTFE PEEK PPL
11	线圈Sealing ring	RPTFE PTFE PEEK PPL
12	螺栓Bolt	304
13	螺母Nut	304
14	内六角螺栓Hexagon socket Screw	304
15	紧定螺钉Set screw	304
16	手柄 Handle	201



YZQ41F2-ANSI-PAD 美标高平台法兰球阀

ANSI Flange Ball Valve With Mounting Pad

设计标准

- 1、设计标准: ASME B16.34,API608,API6D
- 2、法兰标准: ASME B16.5
- 3、结构长度: ASME B16.10
- 4、平台参照标准: ISO 5211-2001
- 4、检查与测试: API 598
- 6、适用温度: -40°C~280°C

Technical requirement

- 1.Design standard : ASME B16.34,API608,API16D
- 2.Flange standard : ASME B16.5
- 3.Structure length : ASME B16.10
- 4.Platform Reference : ISO 5211-2001
- 5.Inspection and test : API 598
- 6.Applicable temperature : -40°C~280°C

材质清单 Materials list

序号 No.	零件名称 Part name	材质 Material list
1	阀盖Bonnet	WCB / 304 / 316
2	阀座Seat	RPTFE PTFE PEEK PPL
3	线圈Sealing ring	RPTFE PTFE PEEK PPL
4	球Ball	304 / 316
5	阀体 Body	WCB / 304 / 316
6	螺栓Bolt	304
7	螺母Nut	304
8	密封垫Gasket	RPTFE PTFE PEEK PPL
9	O型密封圈O-ring	VITON
10	填料Packing	RPTFE PTFE PEEK PPL
11	压圈Pressing ring	304 / 316
12	内六角螺栓Hexagon socket Screw	304
13	螺母Nut	304
14	阀杆 Stem	304 / 316
15	手柄 Handle	201
16	定位片Locating piece	304/316
17	压板Pressing plate	304/316
18	螺栓Bolt	304
19	螺母Nut	304



美标高平台法兰球阀(150-300LB)

ANSI Flange Ball Valve With Mounting Pad

wenzhou wofer valve co.,ltd
+8618267833722

YZQ41F2-ANSI-PAD

外形尺寸 Outline size CLASS 150

SIZE	DN	D	D1	D2	L	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	35	60.5	90	108	87	55	108	10-2	4-16	9x9	3	3.5	36	50	F03/F05
3/4"	20	43	70	100	117	92	60	120	11-2	4-16	9x9	3	3.5	36	50	F03/F05
1"	25	51	79.5	110	127	102	67	165	12-2	4-16	11x11	3.5	4.5	42	50	F04/F05
1-1/4"	32	63.5	89	115	140	111	76	180	13-2	4-16	11x11	3.5	4.5	42	50	F04/F05
1-1/2"	40	73	98.5	125	165	123	85	240	14-2	4-16	14x14	3.5	4.5	50	70	F05/F07
2"	49	92	120.5	150	178	131	93	240	16-2	4-19	14x14	3.5	4.5	50	70	F05/F07
2-1/2"	65	105	139.5	180	190	157	113	320	18-2	4-19	17x17	4.5	5.5	70	102	F07/F10
3"	80	127	152.5	190	203	170	126	350	20-2	4-19	17x17	4.5	5.5	70	102	F07/F10
4"	100	157	190.5	230	229	185	141	400	24-2	8-19	17x17	4.5	5.5	70	102	F07/F10
5"	125	185	216	255	356	255	170	650	24-2	8-22	22x22	6	7	102	125	F10/F12
6"	150	216	241.5	280	394	277	192	800	26-2	8-22	27x27	6	7	125	140	F12/F14
8"	200	270	298.5	345	457	280	234	800	29-2	8-22	36x36	7	9	140	165	F14/F16

外形尺寸 Outline size CLASS 300

SIZE	DN	D	D1	D2	L	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	35	66.5	95	140	87	55	108	15-2	4-16	9x9	6	7	36	50	F03/F05
3/4"	20	43	82.5	115	152	92	60	120	16-2	4-19	9x9	6	7	36	50	F03/F05
1"	25	51	89	125	165	102	67	165	18-2	4-19	11x11	6	7	42	50	F04/F05
1-1/4"	32	64	98.5	135	178	111	76	180	19.5-2	4-19	11x11	6	7	42	50	F04/F05
1-1/2"	40	73	114.5	155	190	123	85	240	21-2	4-22	14x14	7	9	50	70	F05/F07
2"	49	92	127	165	216	131	93	240	23-2	8-19	14x14	7	9	50	70	F05/F07
2-1/2"	65	105	149	190	241	157	113	320	26-2	8-22	17x17	9	11	70	102	F07/F10
3"	80	127	168.5	210	283	170	126	350	29-2	8-22	17x17	9	11	70	102	F07/F10
4"	100	157	200	255	305	226	141	400	32-2	8-22	17x17	9	11	70	102	F07/F10
5"	125	186	235	280	381	255	170	650	35-2	8-22	22x22	11	13	102	125	F10/F12
6"	150	216	270	320	403	277	192	800	37-2	12-22	27x27	13	17	125	140	F12/F14
8"	200	270	330	380	502	280	234	800	42-2	12-26	36x36	17	21	140	165	F14/F16



YZQ41F2-JIS 日标法兰球阀

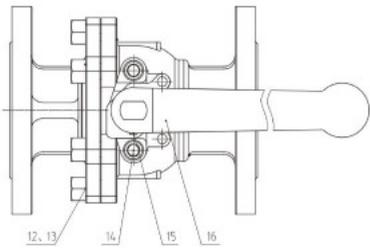
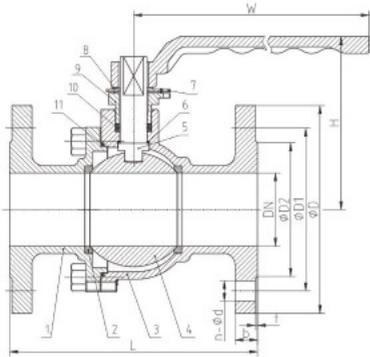
JIS Flange Ball Valve



技术要求 Technical requirement

1. 设计标准: JIS B2071
2. 法兰标准: JIS B2220
3. 结构长度: JIS B2002
4. 检查与测试: JIS B2003
6. 适用温度: $-40^{\circ}\text{C} \sim 280^{\circ}\text{C}$

- 1.Design standard : JIS B2071
- 2.Flange standard : JIS B2220
- 3.Structure length : JIS B2220
- 4.Inspection and test : JIS B2002
- 5.Applicable temperature : $-40^{\circ}\text{C} \sim 280^{\circ}\text{C}$



材质清单 Materials list

序号 No.	零件名称 Part name	材质 Material list
1	阀盖Bonnet	WCB / 304 / 316
2	阀座Seat	RPTFE PTFE PEEK PPL
3	阀体 Body	WCB / 304 / 316
4	球Ball	304 / 316
5	阀杆 Stem	304 / 316
6	密封垫Gasket	RPTFE PTFE PEEK PPL
7	定位片Locating piece	304
8	卡簧Spring	304
9	压盖Gland	304 / 316
10	填料Packing	RPTFE PTFE PEEK PPL
11	线圈Sealing ring	RPTFE PTFE PEEK PPL
12	螺栓Bolt	304
13	螺母Nut	304
14	内六角螺栓Hexagon socket Screw	304
15	紧定螺钉 Set screw	304
16	手柄 Handle	201



日标高平台法兰球阀

JIS Flange Ball Valve With Mounting Pad | YZQ41F2-JIS-PAD

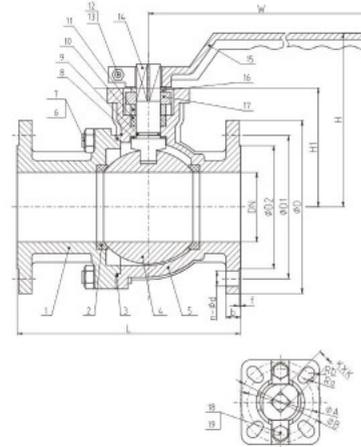
wenzhou wofer valve co.,ltd
+8618267833722

设计标准

1. 设计标准: JIS B2071
2. 法兰标准: JIS B2220
3. 结构长度: JIS B2002
4. 检查与测试: JIS B2003
6. 适用温度: $-40^{\circ}\text{C} \sim 280^{\circ}\text{C}$

Technical requirement

- 1.Design standard : JIS B2071
- 2.Flange standard : JIS B2220
- 3.Structure length : JIS B2220
- 4.Inspection and test : JIS B2002
- 5.Applicable temperature : $-40^{\circ}\text{C} \sim 280^{\circ}\text{C}$



材质清单 Materials list

序号 No.	零件名称 Part name	材料 Material list
1	阀盖Bonnet	WCB / 304 / 316
2	阀座Seat	RPTFE PTFE PEEK PPL
3	线圈Sealing ring	RPTFE PTFE PEEK PPL
4	球Ball	304 / 316
5	阀体 Body	WCB / 304 / 316
6	螺栓Bolt	304
7	螺母Nut	304
8	密封垫Gasket	RPTFE PTFE PEEK PPL
9	O型密封圈O-ring	VITON
10	填料Packing	RPTFE PTFE PEEK PPL
11	压圈Pressing ring	304 / 316
12	内六角螺栓Hexagon socket Screw	304
13	螺母Nut	304
14	阀杆 Stem	304 / 316
15	手柄 Handle	201
16	定位片Locating piece	304 / 316
17	压板Pressing plate	304 / 316
18	螺栓Bolt	304
19	螺母Nut	304

外形尺寸 Outline size 5K

SIZE	DN	D	D1	D2	L	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	80	60	44	108	87	55	108	9-1	4-12	9x9	6	7	36	50	F03/F05
3/4"	20	85	65	49	117	92	60	120	10-1	4-12	9x9	6	7	36	50	F03/F05
1"	25	95	75	59	127	102	67	165	10-1	4-12	11x11	6	7	42	50	F04/F05
1-1/4"	32	115	90	70	140	111	76	180	12-2	4-15	11x11	6	7	42	50	F04/F05
1-1/2"	40	120	95	75	165	123	85	240	12-2	4-15	14x14	7	9	50	70	F05/F07
2"	50	130	105	85	178	131	93	240	14-2	4-15	14x14	7	9	50	70	F05/F07
2-1/2"	65	155	130	110	190	157	113	320	14-2	4-15	17x17	9	11	70	102	F07/F10
3"	80	180	145	121	203	170	126	350	14-2	4-19	17x17	9	11	70	102	F07/F10
4"	100	200	165	141	229	185	141	400	16-2	8-19	17x17	9	11	70	102	F07/F10
5"	125	235	200	176	236	255	170	650	16-2	8-19	22x22	11	13	102	125	F10/F12
6"	150	265	230	206	394	277	192	800	18-2	8-19	27x27	13	17	125	140	F12/F14
8"	200	320	280	252	457	280	234	800	20-2	8-23	36x36	17	21	140	165	F14/F16

外形尺寸 Outline size 10K

SIZE	DN	D	D1	D2	L	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	95	70	51	108	87	55	108	12-1	4-15	9x9	6	7	36	50	F03/F05
3/4"	20	100	75	56	117	92	60	120	14-1	4-15	9x9	6	7	36	50	F03/F05
1"	25	125	90	67	127	102	67	165	14-1	4-19	11x11	6	7	42	50	F04/F05
1-1/4"	32	135	100	76	140	111	76	180	16-2	4-19	11x11	6	7	42	50	F04/F05
1-1/2"	40	140	105	81	165	123	85	240	16-2	4-19	14x14	7	9	50	70	F05/F07
2"	50	155	120	96	178	131	93	240	16-2	4-19	14x14	7	9	50	70	F05/F07
2-1/2"	65	175	140	116	190	157	113	320	18-2	4-19	17x17	9	11	70	102	F07/F10
3"	80	185	150	126	203	170	126	350	18-2	8-19	17x17	9	11	70	102	F07/F10
4"	100	210	175	151	229	185	141	400	18-2	8-19	17x17	9	11	70	102	F07/F10
5"	125	250	210	182	356	255	170	650	20-2	8-23	22x22	11	13	102	125	F10/F12
6"	150	280	240	212	394	277	192	800	22-2	8-23	27x27	13	17	125	140	F12/F14
8"	200	330	290	262	457	280	234	800	22-2	12-23	36x36	17	21	140	165	F14/F16

外形尺寸 Outline size 20K

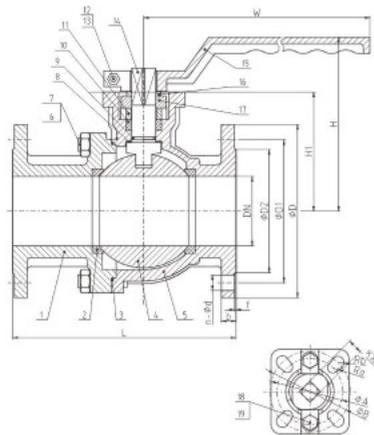
SIZE	DN	D	D1	D2	L	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	95	70	51	140	87	55	108	14-1	4-15	9x9	6	7	36	50	F03/F05
3/4"	20	100	75	56	152	92	60	120	16-1	4-15	9x9	6	7	36	50	F03/F05
1"	25	125	90	67	165	102	67	165	16-1	4-19	11x11	6	7	42	50	F04/F05
1-1/4"	32	135	100	76	178	111	76	180	18-2	4-19	11x11	6	7	42	50	F04/F05
1-1/2"	40	140	105	81	190	123	85	240	18-2	4-19	14x14	7	9	50	70	F05/F07
2"	50	155	120	96	216	131	93	240	18-2	8-19	14x14	7	9	50	70	F05/F07
2-1/2"	65	175	140	116	241	157	113	320	20-2	8-19	17x17	9	11	70	102	F07/F10
3"	80	200	160	132	283	170	126	350	22-2	8-23	17x17	9	11	70	102	F07/F10
4"	100	225	185	160	305	185	141	400	24-2	8-23	17x17	9	11	70	102	F07/F10
5"	125	270	225	195	381	255	170	650	26-2	8-25	22x22	11	13	102	125	F10/F12
6"	150	365	260	230	403	277	192	800	28-2	12-25	27x27	13	17	125	140	F12/F14
8"	200	350	305	275	419/502	280	234	800	30-2	12-25	36x36	17	21	140	165	F14/F16

技术要求

1. 设计制造: EN1983, EN12516-1
2. 法兰尺寸参照: DIN2543~2545, EN1092-1
3. 法兰长度: DIN3202
4. 平台参照标准: ISO5211-2001:
5. 检查与测试: DIN3230, EN12266-1
6. 适用温度: -40°C~280°C

Technical requirement

1. Design and manufacture: EN1983, EN12516-1
2. Flange size: DIN2543~2545, EN1092-1
3. Flange length: DIN3202
4. Platform Reference Standard: ISO5211-2001
5. Inspection and test: DIN3230, EN12266-1
6. Applicable temperature: -40°C~280°C



材质清单 Materials list

序号 No.	零件名称 Part name	材质 Material list
1	阀盖Bonnet	WCB / 304 / 316
2	阀座Seat	RPTFE PTFE PEEK PPL
3	线圈Sealing ring	RPTFE PTFE PEEK PPL
4	球Ball	304 / 316
5	阀体 Body	304 / 316 / WCB
6	螺栓Bolt	304
7	螺母Nut	304
8	密封垫Gasket	RPTFE PTFE PEEK PPL
9	O型密封圈O-ring	VITON
10	填料Packing	RPTFE PTFE PEEK PPL
11	压圈Pressing ring	304 / 316
12	内六角螺栓Hexagon socket Screw	304
13	螺母Nut	304
14	阀杆 Stem	304 / 316
15	手柄 Handle	201
16	定位片Positioner	304 / 316
17	压板Pressboard	304 / 316
18	螺栓Bolt	304
19	螺母Nut	304



YZQ4IF2- DIN 德标高平台法兰球阀(PN16/PN25/PN40)

DIN Flange Ball Valve With Mounting Pad

外形尺寸 Outline size DIN PN16

SIZE	DN	D	D1	D2	L	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	95	65	45	115	87	51	108	16-2	4-14	9x9	6	7	36	50	F03/F05
3/4"	20	105	75	58	120	92	56	120	18-2	4-14	9x9	6	7	36	50	F03/F05
1"	25	115	85	68	125	102	64	165	18-2	4-14	11x11	6	7	42	50	F04/F05
1-1/4"	32	140	100	78	130	111	68	180	18-2	4-18	11x11	6	7	42	50	F04/F05
1-1/2"	40	150	110	88	140	126	76	240	18-3	4-18	14x14	7	9	50	70	F05/F07
2"	49	165	125	102	150	130	84	240	18-3	4-18	14x14	7	9	50	70	F05/F07
2-1/2"	65	185	145	122	170	157	110	320	18-3	4-18	17x17	9	11	70	102	F07/F10
3"	80	200	160	138	180	170	123	350	20-3	8-18	17x17	9	11	70	102	F07/F10
4"	100	220	180	158	190	185	132	400	20-3	8-18	17x17	9	11	70	102	F07/F10
5"	125	188	210	250	200	260	183	800	22-3	8-18	22x22	5.5	6.5	102	125	F10/F12
6"	150	212	240	285	210	280	202	800	22-3	8-22	27x27	5.5	6.5	102	125	F10/F12
8"	200	268	295	340	230	non	253	800	24-3	8-22	27x27	5.5	6.5	102	140	F12/F14

外形尺寸 Outline size DIN PN25

SIZE	DN	D	D1	D2	L	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	95	65	45	115	48	79	135	16-2	4-14	9x9	6	7	36	50	F03/F05
3/4"	20	105	75	58	120	53	84	135	18-2	4-14	9x9	6	7	36	50	F03/F05
1"	25	115	85	68	125	64	95	170	18-2	4-14	11x11	6	7	42	50	F04/F05
1-1/4"	32	140	100	78	130	71	103	170	18-2	4-18	11x11	6	7	42	50	F04/F05
1-1/2"	38	150	110	88	140	76	111	200	18-3	4-18	14x14	7	9	50	70	F05/F07
2"	49	165	125	102	150	85	120	200	20-3	4-18	14x14	7	9	50	70	F05/F07
2-1/2"	65	185	145	122	170	104	153	300	22-3	8-18	17x17	9	11	70	102	F07/F10
3"	80	200	160	138	180	114	163	300	24-3	8-18	17x17	9	11	70	102	F07/F10
4"	100	235	190	162	190	140	182	400	24-3	8-22	17x17	9	11	70	102	F07/F10
5"	125	188	220	270	400	183	260	800	26-3	8-26	27x27	14	non	125	non	F10/F12
6"	150	218	250	300	450	202	280	800	28-3	8-26	27x27	14	non	125	non	F10/F12
8"	200	278	310	360	550	253	non	800	30-3	12-26	27x27	14	non	125	non	F12/F14

外形尺寸 Outline size DIN PN40

SIZE	DN	D	D1	D2	L	H	H1	W	b-f	n-Φd	KxK	Ra	Rb	ΦA	ΦB	Platform
1/2"	15	45	65	95	115	87	51	108	16-2	4-14	9x9	6	7	36	50	F03/F05
3/4"	20	58	75	105	120	92	56	120	18-2	4-14	9x9	6	7	36	50	F03/F05
1"	25	68	85	115	125	102	64	165	18-2	4-14	11x11	6	7	42	50	F04/F05
1-1/4"	32	78	100	140	130	111	68	180	18-2	4-18	11x11	6	7	42	50	F04/F05
1-1/2"	40	88	110	150	140	126	76	240	18-3	4-18	14x14	7	9	50	70	F05/F07
2"	49	102	125	165	150	130	84	240	20-3	4-18	14x14	7	9	50	70	F05/F07
2-1/2"	65	122	145	185	170	157	110	320	22-3	8-18	17x17	9	11	70	102	F07/F10
3"	80	138	160	200	180	170	123	350	24-3	8-18	17x17	9	11	70	102	F07/F10
4"	100	162	190	235	190	185	132	400	24-3	8-22	17x17	9	11	70	102	F07/F10
5"	125	188	220	270	325	205	170	650	26-3	8-26	22x22	11	13	102	125	F10/F12
6"	150	218	250	300	350	255	192	800	28-3	8-26	27x27	13	17	102	125	F10/F12
8"	200	285	320	375	400	280	234	800	34-3	12-30	27x27	17	21	102	140	F12/F14

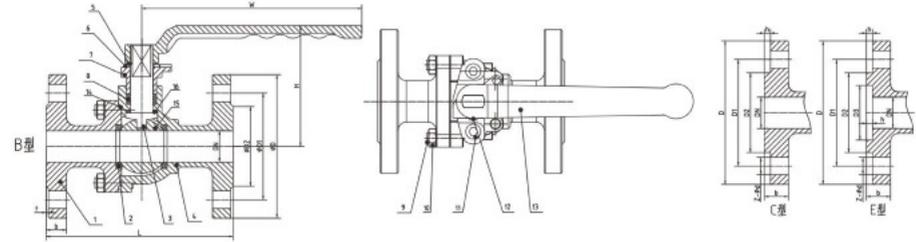


俄标法兰球阀 YZQ4IF2- GOST

GOST Flange Ball Valve

wenzhou wofer valve co.,ltd

+8618267833722



俄标B型外形尺寸 Russian standard B Outline size

SIZE	DN	D	D1	D2	L	H	W	b-f	Z-Φd
3/4"	20	90	65	50	140	64	120	16.5-2	4-11
1"	24	100	75	60	150	90	165	16.5-2	4-11
1-1/4"	32	120	90	70	165	105	180	18-2	4-14
2"	50	140	110	90	200	190	240	20-3	4-14
2-1/2"	65	160	130	100	222	195	320	20-3	4-14

俄标C型外形尺寸 Russian standard C Outline size

SIZE	DN	D	D1	D2	L	H	W	b-f	Z-Φd
3/4"	20	90	65	46	140	64	120	16.5-2	4-11
1"	25	100	75	53	150	90	165	16.5-2	4-11
1-1/4"	32	120	90	63	165	105	180	18-4	4-14
2"	50	140	110	83	200	190	240	20-4	4-14
2-1/2"	65	160	130	103	222	195	320	20-4	4-14

俄标E型外形尺寸 Russian standard E Outline size

SIZE	DN	D	D1	D2	D3	L	H	W	b-f	Z-Φd
3/4"	20	90	65	46	32	140	64	120	16.5-4	4-11
1"	25	100	75	53	39	150	90	165	16.5-4	4-11
1-1/4"	32	120	90	63	49	165	105	180	18-4	4-14
2"	50	140	110	83	69	200	190	240	20-4	4-14
2-1/2"	65	160	130	103	89	222	195	320	20-4	4-14

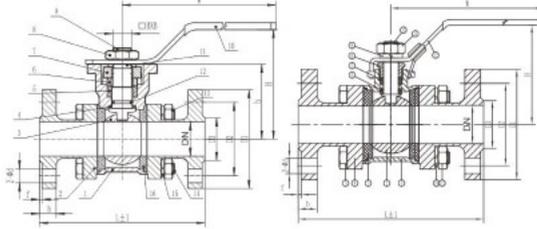
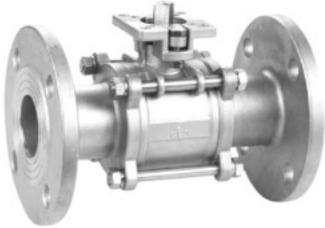
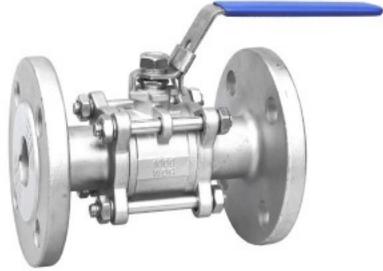


YZQ41F3-GB-PAD 三片法兰球阀(高平台) 3PC Flange Ball Valve(Pad)

技术要求 Technical requirement

1. 设计制造: GB/T-12224
2. 法兰尺寸参照: GB/T-9113.1
3. 法兰长度: GB/T-12221
4. 平台参照标准: ISO5211-2001
5. 检测与测试: GB/T-13927
6. 适用温度范围: -40°C~280°C
7. 试验结束后, 清除积水, 控净内腔, 并在通径两端用闷盖盖住, 防止脏物进入。

- 1.Design and manufacture : GB/T-12224
- 2.Flange dimensions refer to : GB / T-9113 , 1
- 3.Flange length : GB/T-12221
- 4.Platform Reference Standard : ISO5211-2001
- 5.Detection and test : GB / T-13927
- 6.Applicable temperature range :-40°C~280°C
- 7.After the test , remove the accumulated water , clean the inside and cover both ends of the diameter with a blind cover to prevent the dirt from entering.



材质清单 Materials list

序号 No.	名称 Name	材料 Material
1	阀体 Body	WCB / 304 / 316
2	阀盖Bonnet	WCB / 304 / 316
3	球Ball	304 / 316
4	密封垫Gasket	RPTFE PTFE PEEK PPL
5	填料Packing	RPTFE PTFE PEEK PPL
6	压圈Pressing ring	304
7	压板Pressing plate	304
8	阀杆螺母Stem Nut	304
9	阀杆 Stem	304 / 316
10	手柄 Handle	201
11	定位片Locating piece	304
12	O型圈O-ring	VITON
13	螺母Nut	304
14	螺栓Bolt	304
15	弹簧垫圈Spring washer	304
16	阀座Seat	RPTFE PTFE PEEK PPL



三片式高平台法兰球阀 3PC Flange Ball Valve With Mounting Pad YZQ41F3-GB-PAD

wenzhou wofer valve co.,ltd

+8618267833722

尺寸列表 Dimensions 国标 GB PN16 (机械部)

单位Unit:mm

尺寸 Nominal Diameter	L	d	D2	D1	D	b	f	Z-Φd	H	W	
15	1/2"	130	15	45	65	95	14	2	4-14	86	120
20	3/4"	150	20	55	75	105	14	2	4-14	92	130
25	1"	160	25	65	85	115	14	2	4-14	98	160
32	1-1/4"	180	32	78	100	135	16	2	4-18	116	180
40	1-1/2"	200	40	85	110	145	16	3	4-18	120	200
50	2"	230	50	100	125	160	16	3	4-18	127	240
65	2-1/2"	290	65	120	145	180	18	3	4-18	138	260
80	3"	310	80	135	160	195	20	3	8-18	150	300
100	4"	350	100	155	180	215	20	3	8-18	168	350
125	5"	400	125	185	210	245	22	3	8-18	220	650
150	6"	480	150	210	240	280	22	3	8-22	245	800

尺寸列表 Dimensions 美标 ANSI CLASS 150

单位Unit:mm

尺寸 Nominal Diameter	L	d	D2	D1	D	b	f	Z-Φd1	H	W	
15	1/2"	130	15	35	60.3	90	8	2	4-16	86	120
20	3/4"	150	20	43	69.9	100	8.9	2	4-16	92	130
25	1"	160	25	51	79.4	110	9.6	2	4-16	98	160
32	1-1/4"	180	32	63.5	88.4	115	11.2	2	4-16	116	180
40	1-1/2"	200	40	73	98.4	125	12.7	2	4-16	120	200
50	2"	230	50	92	120.7	150	14.3	2	4-19	127	240
65	2-1/2"	290	65	105	139.7	180	15.9	2	4-19	138	260
80	3"	310	80	127	152.4	190	17.5	2	4-19	150	300
100	4"	350	100	157	190.5	230	22.3	2	8-19	168	350
125	5"	400	125	185	216	255	22.3	2	8-22	220	650
150	6"	480	150	216	241.3	280	23.9	2	8-22	245	800

尺寸列表 Dimensions 德标 DIN PN16

单位Unit:mm

尺寸 Nominal Diameter	L	d	D2	D1	D	b	f	Z-Φd1	H	W	
15	1/2"	130	15	45	65	95	16	2	4-14	86	120
20	3/4"	150	20	58	75	105	18	2	4-14	92	130
25	1"	160	25	68	85	115	18	2	4-14	98	160
32	1-1/4"	180	32	78	100	140	18	2	4-18	116	180
40	1-1/2"	200	40	88	110	150	18	3	4-18	120	200
50	2"	230	50	102	125	165	20	3	4-18	127	240
65	2-1/2"	290	65	122	145	185	18	3	4-18	138	260
80	3"	310	80	138	160	200	20	3	8-18	150	300
100	4"	350	100	158	180	220	20	3	8-18	168	350
125	5"	400	125	188	210	250	22	3	8-18	220	650
150	6"	480	150	212	240	285	22	3	8-22	245	800

尺寸列表 Dimensions 德标 DIN PN40

单位Unit:mm

尺寸 Nominal Diameter	L	d	D2	D1	D	b	f	Z-Φd1	H	W	
15	1/2"	130	15	45	65	95	16	2	4-14	86	120
20	3/4"	150	20	58	75	105	18	2	4-14	92	130
25	1"	160	25	68	85	115	18	2	4-14	98	160
32	1-1/4"	180	32	78	100	140	18	2	4-18	116	180
40	1-1/2"	200	40	88	110	150	18	3	4-18	120	200
50	2"	230	50	102	125	165	20	3	4-18	127	240
65	2-1/2"	290	65	122	145	185	22	3	8-18	138	260
80	3"	310	80	138	160	200	24	3	8-18	150	300
100	4"	350	100	162	190	235	24	3	8-22	168	350
125	5"	400	125	188	220	270	26	3	8-26	220	650
150	6"	480	150	218	250	300	28	3	8-26	245	800



YZQ45F2-ANSI/DIN/JIS

三通法兰球阀
3 Way Flange Ball Valve

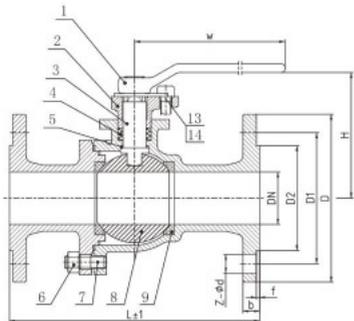
特点 Features

缩径T型/L型/X型 Reduced port T port/ X port: 1/2"-6"(DN15-DN150)
工作压力 W.P.: CLASS 150/300 PN16/40 10K
工作温度 W.T.: -40°C~280°C
精密铸造 Investment casting
阀杆防曝出装置设计 Blow-out proof stem
双蝶形弹簧动负载设计 Live-loading design
防静电装置 (可选) Anti-static clevice(option)
4个阀座设计 There are four seats
360°C旋转手柄 360°C Rotary handle
带锁手柄 Locking device handle
ISO5211直装高平台设计 ISO5211 Direct mounting pad
自动化装置 (可选) Automatic accessories(option)

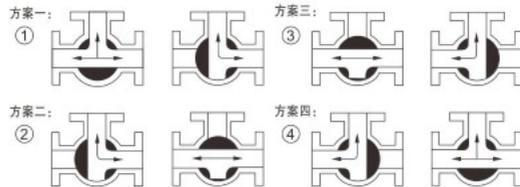
美标 ANSI CLASS 150
设计标准 Design: ASME B16.34, SPI608, API16D
法兰标准 Flange dimension: ASME B16.5
检验&测试 Inspection & testing: API598

德标 DIN PN16
设计标准 Design: ASME B1983, EN12516-1
法兰标准 Flange dimension: EN1092-1 PN16/40
检验&测试 Inspection & testing: EN12266-1

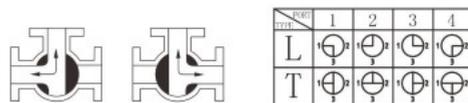
日标 JIS 10K
设计标准 Design: JIS B2071
法兰标准 Flange dimension: JIS B2220
检验&测试 Inspection & testing: JIS B2003



T型三通球阀流向图 Flow diagram for T-type



L型三通球阀流向图 Flow diagram for L-type

三通法兰球阀
3 Way Flange Ball Valve

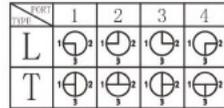
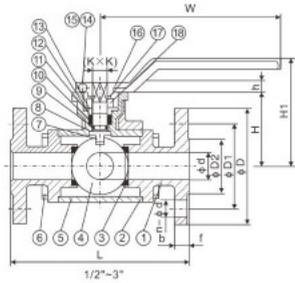
YZQ45F2-ANSI/DIN/JIS

配件与材料 Accessories and materials

序号 Serial number	名称 Name	材料 Material
1	手柄 Handle	201
2	阀盖 Bonnet	WCB/304/316
3	阀杆 Stem	304/316
4	填料 Packing	RPTFE PTFE PEEK PPL
5	阀杆密封垫 Stem Gasket	RPTFE PTFE PEEK PPL
6	螺母 Nut	304
7	螺栓 Bolt	304
8	球 Ball	304/316
9	阀座 Seat	RPTFE PTFE PEEK PPL
10	阀盖 Cap	304/316
11	线圈 Sealing ring	RPTFE PTFE PEEK PPL
12	阀体 Body	WCB/304/316
13	螺栓 Bolt	304
14	螺母 Nut	304

外形尺寸 Outline size

DN	D	D1	D2	b	f	Z-Φd	L	L/2
15	95	65	45	14	2	4-14	150	75
20	105	75	55	14	2	4-14	160	80
25	115	85	65	14	2	4-14	180	90
32	135	100	75	16	2	4-18	200	100
40	145	110	85	16	3	4-18	220	110
50	160	125	100	16	3	4-18	240	120
65	180	145	120	18	3	4-18	260	130
80	195	160	135	20	3	8-18	280	140
100	215	180	155	20	3	8-18	320	160
125	245	210	165	22	3	8-18	380	190
150	280	240	210	24	3	8-23	440	220
200	335	295	260	26	3	12-23	550	275
250	405	355	320	30	3	12-26/25	670	335
300	460	410	385	30	4	12-26/25	720	360


**YZQ45F 3W -
ANSI/DIN/JIS-PAD**
法兰方形三通高平台球阀
ISO5211 Pad 3 Way Flange Ball Valve With Square Body

特点 Features

缩径T型/L型/X型 Reduced port T port/ X port: 1/2"-6"(DN15-DN150)
工作压力 W.P.: CLASS 150/300 PN16/40 10K
工作温度 W.T.: -40°C~280°C
精密铸造 Investment casting
阀杆防弹出装置设计 Blow-out proof stem
双螺旋弹簧动负载设计 Live-loading design
防静电装置(可选) Anti-static clevis(option)
4个阀座设计 There are four seats
360°旋转手柄 360° Rotary handle
带锁手柄 Locking device hand
ISO5211直装高平台设计 ISO5211 Direct mounting pad
自动化装置(可选) Automation accessories(option)

美标 ANSI CLASS 150
设计标准 Design: ASME B16.34, SPI608, API16D
法兰标准 Flange dimension: ASME B16.5
检验&测试 Inspection& testing: API598

德标 DIN PN16
设计标准 Design: ASME B1983, EN12516-1
法兰标准 Flange dimension: EN1092-1 PN16/40
检验&测试 Inspection& testing: EN12266-1

日标 JIS 10K
设计标准 Design: JIS B2071
法兰标准 Flange dimension: JIS B2220
检验&测试 Inspection& testing: JIS B2003

尺寸 Dimensions CLASS 150

Unit:mm

Nominal Diameter	L	d	D2	D1	D	b	f	n-Φd1	H	h	H1	W	Ra	Rb	A	B	KxK	
15	1/2"	150	15	35	60.3	90	10	2	4-16	50	9	82	140	3.0	3.5	36	50	9x9
20	3/4"	165	20	43	70	100	10.5	2	4-16	60	9	92	140	3.0	3.5	36	50	9x9
25	1"	181	25	51	79.4	110	10.5	2	4-16	65	11	100	170	3.0	3.5	42	50	11x11
32	1-1/4"	190	32	63.5	88.9	115	11.2	2	4-16	80	11	115	170	3.0	3.5	42	50	11x11
40	1-1/2"	212	40	73	98.4	125	12.7	2	4-16	90	14	128	200	3.5	4.5	50	70	14x14
50	2"	229	50	92	120.7	150	14.3	2	4-19	106	14	144	200	3.5	4.5	50	70	14x14
65	2-1/2"	290	65	105	139.7	180	15.9	2	4-19	118	17	162	300	4.5	5.5	70	102	17x17
80	3"	310	80	127	152.4	190	17.5	2	4-19	128	17	172	300	4.5	5.5	70	102	17x17
100	4"	368	100	157	190.5	230	22.3	2	8-19	165	25	250	650	5.5	6.5	102	125	22x22
125	5"	420	125	185	216	255	22.3	2	8-22	212	30	297	800	5.5	6.5	102	125	27x27
150	6"	480	150	216	241.3	280	23.9	2	8-22	243	30	328	800	5.5	6.5	102	125	27x27


超薄对夹式球阀(高平台)
Wafer Type Ball Valve(pad)

YZQ71F1-GB-PAD

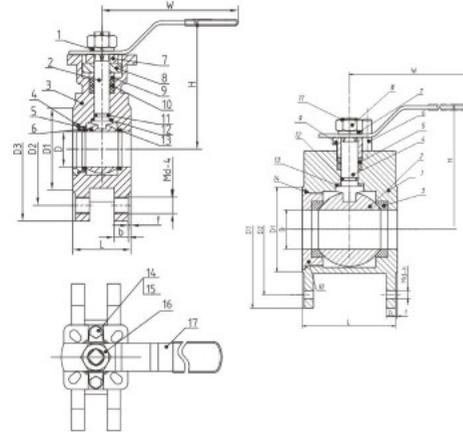
技术要求 Technical requirement

1. 法兰结构尺寸参照: GB/T9113-2010
2. 平台参照标准: ISO 5211-2001
3. 适用温度范围: -40°C~280°C
4. 阀门检查测试: EN-12266-1
5. 试验结束后, 清除积水, 控净内腔, 并在直径两端用盲盖盖住, 防止脏物进入。

1. Refer to GB/T9113-2010 for flange structure dimensions
2. Platform reference standard: ISO 5211-2001
3. Applicable temperature range: -40°C~280°C
4. Valve inspection and test: EN-12266-1
5. After the test, remove the accumulated water, clean the inside, and cover both ends of the diameter with a blind cover to prevent the dirt from entering.

配件与材料 Accessories and materials

序号 serial number	名称 Name	材料 Material
1	弹簧垫圈 Spring washer	304
2	阀杆 Stem	304 / 316
3	阀体 Body	WCB / 304 / 316
4	线圈 Sealing ring	RPTFE PTFE PEEK PPL
5	球 Ball	304 / 316
6	阀盖 Bonnet	WCB / 304 / 316
7	定位片 Locating piece	304
8	压板 Pressing plate	304
9	压圈 Pressing ring	304
10	填料 Packing	RPTFE PTFE PEEK PPL
11	O型圈 O-ring	VITON
12	密封垫 Gasket	RPTFE PTFE PEEK PPL
13	阀座 Seat	RPTFE PTFE PEEK PPL
14	螺母 Nut	304
15	螺栓 Bolt	304
16	阀杆螺母 Stem nut	304
17	手柄 Handle	201


外形尺寸 Outline size

SIZE	DN	L	D1	D2	D3	b-f	d	H	W
1/2"	15	35	45	65	95	8x2	12-4	65	120
3/4"	20	38.5	58	75	105	9x2	12-4	75	120
1"	25	42	68	85	115	10x2	12-4	85	140
1-1/4"	32	55	78	100	140	11.2x2	16-4	100	170
1-1/2"	40	60	88	110	150	12.7x3	16-4	120	200
2"	50	70	102	125	165	14.3x3	16-4	125	240
2-1/2"	65	94	122	145	185	16x3	16-4	140	280
3"	80	118	138	160	200	17.5x3	16-8	160	320
4"	100	140	162	180	220	22.3x3	16-8	190	400
5"	125	200	188	210	245	22.3x3	16-8	200	580
6"	150	255	218	240	280	24x3	20-8	240	700
8"	200	275	278	295	335	27x3	20-12	278	700



YZQM211F1-GB 迷你内外螺纹球阀

M/F Mini Ball Valve



技术要求 Technical requirement

1. 适用温度范围: $-40^{\circ}\text{C} \sim 280^{\circ}\text{C}$
2. 阀门检查测试: EN-12266-1
3. 试验结束后, 清除积水, 控净内腔, 并在通径两端用闷盖盖住, 防止脏物进入。

1. Applicable temperature range: $-40^{\circ}\text{C} \sim 280^{\circ}\text{C}$
2. Valve inspection and test: EN-12266-1
3. After the test, remove the accumulated water, clean the inside, and cover both ends of the diameter with a blind cover to prevent the dirt from entering.

管螺纹可按: NPT, BSPT, BSPP, DIN/2999

温度范围: $-40^{\circ}\text{C} \sim 280^{\circ}\text{C}$

适用介质: 水, 油, 气体等其他腐蚀性液体

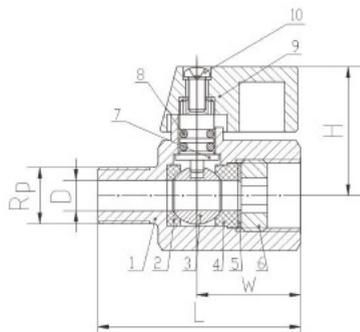
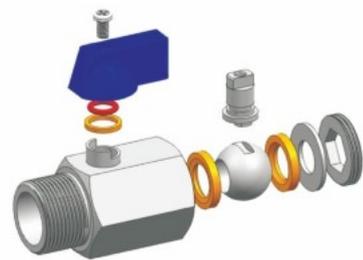
公称压力: 1.6~6.4MPa

Pipe thread in accordance: NPT, BSPT, BSPP, DIN/2999

Temperature range: $-40^{\circ}\text{C} \sim 280^{\circ}\text{C}$

Suitable media: water, oil, gas and other corrosive liquids

Nominal pressure: 1.6~6.4MPa



外形尺寸 Outline size

DN	SIZE	D	L	W	Rp	H	kg
DN8	1/4"	7	46.5	23	13x1.411	27	0.090
DN10	3/8"	6.5	46.5	23	17x1.336	27	0.094
DN15	1/2"	7.8	48.3	24	21x1.814	30	0.121
DN20	3/4"	11.5	57	30	27x1.814	33	0.206
DN25	1"	14.3	70.3	35	33x2.306	35	0.319



迷你双内螺纹球阀 YZQM11F1-GB

F/F Mini Ball Valve



技术要求 Technical requirement

1. 适用温度范围: $-40^{\circ}\text{C} \sim 280^{\circ}\text{C}$
2. 阀门检查测试: EN-12266-1
3. 试验结束后, 清除积水, 控净内腔, 并在通径两端用闷盖盖住, 防止脏物进入
4. 适用介质: 水, 油, 气体等其他腐蚀性液体
5. 公称压力: 1.6~6.4MPa
6. 管螺纹可按: NPT, BSPT, BSPP, DIN/2999

1. Applicable temperature range: $-40^{\circ}\text{C} \sim 280^{\circ}\text{C}$

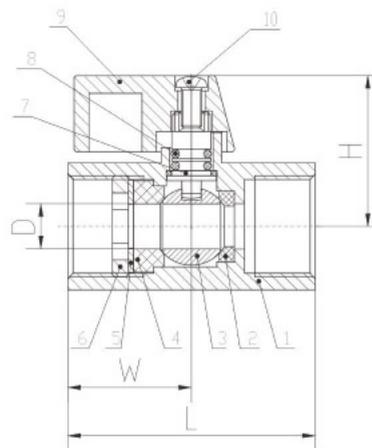
2. Valve inspection and test: EN-12266-1

3. After the test, remove the accumulated water, clean the inside, and cover both ends of the diameter with a blind cover to prevent the dirt from entering.

4. Suitable media: water, oil, gas and other corrosive liquids

5. Nominal pressure: 1.6~6.4MPa

6. Pipe thread in accordance: NPT, BSPT, BSPP, DIN/2999



配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	WCB / 304 / 316
2	阀座 Seat	RPTFE PTFE PEEK PPL
3	球 Ball	304 / 316
4	阀座B Seat B	RPTFE PTFE PEEK PPL
5	垫片 Gasket	304
6	并帽 Union cap	304
7	阀杆 Stem	304 / 316
8	O型密封圈 O-ring	VITON
9	手柄 Handle	316 / 201
10	螺钉 Screw	304

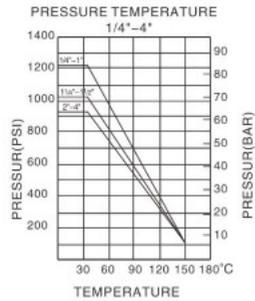
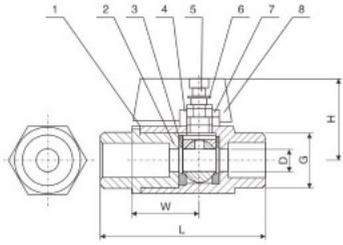
外形尺寸 Outline size

DN	SIZE	D	L	W	H
DN8	1/4"	6.7	43	27	27
DN10	3/8"	7	43	27	27
DN15	1/2"	7.7	47.5	25.5	28.5
DN20	3/4"	12	57.5	28	33
DN25	1"	14	37	36	34.5



YZQM221F1-GB 迷你双外螺纹球阀

M/M Mini Ball Valve



外形尺寸 Outline size

DN	SIZE	D	L	W	H
DN8	1/4"	7	50	23	27
DN10	3/8"	6.5	50	23	27
DN15	1/2"	7.8	58	24	30
DN20	3/4"	11.5	70	30	33
DN25	1"	14.3	83	35	35

特点 Features

- 管螺纹可按: NPT, BSPT, BSPP, DIN/2999
 - 温度范围: -40°C~280°C
 - 适用介质: 水, 油, 气体等其他腐蚀性液体
 - 公称压力: 1.6~6.4MPa
 - 精密铸造阀体
 - 材质: CARBON STEEL/SCPH2/WCB
STAINLESS STEEL/304/SCS13
STAINLESS STEEL/316/SCS14
1. Pipe thread in accordance: NPT, BSPT, BSPP, DIN/2999
2. Temperature range: -40°C~280°C
3. Suitable media: water, oil, gas and other corrosive liquids
4. Nominal pressure: 1.6~6.4mpa
5. Investment casting body
6. Material: CARBON STEEL/SCPH2/WCB
STAINLESS STEEL/304/SCS13
STAINLESS STEEL/316/SCS14

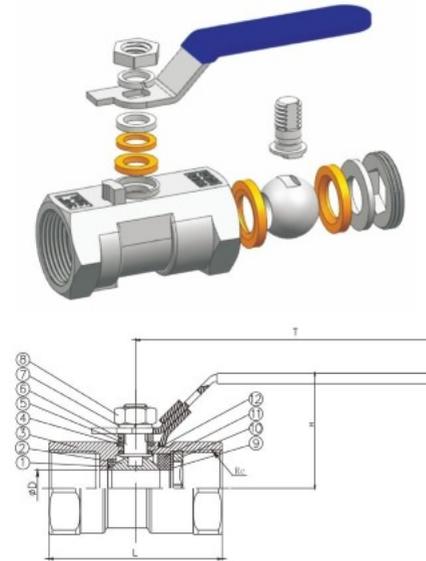
配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	304 / 316
2	阀盖 Bonnet	304 / 316
3	阀座 Seat	RPTFE PTFE PEEK PPL
4	球 Ball	304 / 316
5	螺钉 Screw	304 / 316
6	阀杆 Stem	304 / 316
7	O型密封圈 O-ring	NBR
8	手柄 Handle	304 / 316



一片式球阀 YZQ11F1-GB

1PC Ball Valve



技术要求 Technical requirement

- 阀门检测和试验按GB/T13927-2008的规定
 - 试验结束后, 清除积水, 洗净内腔, 并在通径两端用闷盖盖住, 防止脏物进入
 - 适用介质: 水, 油, 气等某些腐蚀性液体
 - 公称压力: 1.6~6.4MPa
 - 适用温度: -40°C~280°C
 - 螺纹类型: G-NPT, BSPT, BSP, DIN259/2999
1. Valve inspection and test shall be in accordance with the provisions of GB / T13927-2008
2. After the test, remove the accumulated water clean, the inside and cover both ends of the diameter with a blind cover to prevent the dirt from entering.
3. Applicable medium: water, oil, gas and other corrosive liquids
4. Nominal pressure 1.6~6.4mpa
5. Applicable temperature: -40°C~280°C
6. Thread type: G-NPT, BSPT, BSP, DIN259/2999

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀座 Seat	RPTFE PTFE PEEK PPL
2	球 Ball	304 / 316
3	阀体 Body	304 / 316
4	填料 Packing	RPTFE PTFE PEEK PPL
5	阀杆 Stem	0Cr18Ni9
6	压盖 Gland	304
7	弹簧垫圈 Spring washer	304
8	阀杆螺母 Stem nut	0Cr18Ni9
9	垫片 Gasket	304
10	阀盖 Bonnet	304
11	阀座 Seat	RPTFE PTFE PEEK PPL
12	阀盖垫片 Valve gasket	201
13	手柄锁套组合件 Handle lock sleeve assembly	201

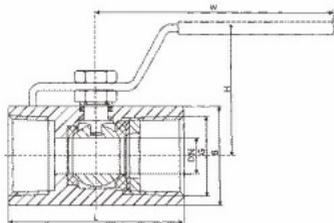
外形尺寸 Outline size

DN	SIZE	ΦD	L1(轻型)	L2(重型)	T	H
15	1/2"	8.5	53	60	95	42
20	3/4"	12	57	66	95	44
25	1"	15	68	72	120	48
32	1-1/4"	20	76	89	120	53
40	1-1/2"	25	81	96	150	64
50	2"	32	92	108	150	68



YZQ11F1-GB 一片式碳钢球阀

1PC Carbon Steel Ball Valve



①外形尺寸 Outline size (1000WOG)

DN	G (size)	d	L	Φ	E	H	W
8	1/4"	5	48	20	11.5	32	54
10	3/8"	8	55	26.5	11.5	42	85
15	1/2"	10.5	60	32	14	45	95
20	3/4"	13	65	38	15	48	110
25	1"	17	73	44	15	53	110
32	1-1/4"	22	88.5	53	18	64	140
40	1-1/2"	25	95	61	19	75	140
50	2"	32	108	73.5	19	79	155
65	2-1/2"	40	132	88.5	23	90	180
80	3"	50	150	105	27	100	220
100	4"	64	188	135	29	115	220

②外形尺寸 Outline size (2000WOG)

SIZE	H	L	d	B	W
1/4"	35	43	5	21	80
3/8"	35	47	7	25	85
1/2"	40	62	9	30	85
3/4"	48	70	12	36	90
1"	54	85	14	46	100
1-1/4"	60	94	20	55	110
1-1/2"	72	101	25	60	130
2"	80	114	32	75	145

性能规范

公称压力: PN1.6, 2.5, 4.0, 6.4MPa
 强度试验压力: PT2.4, 3.8, 6.0, 9.6MPa
 低压力密封试验压力: 0.6MPa
 适用介质: Q21F-(16-64)C 水、油品、气
 适用温度: -40°C~280°C
 适用介质: Q11F-(16-64)P硝酸类
 Q11F-(16-64)R醋酸类
 适用温度: -40°C~280°C

Specifications

Nominal pressure: PN1.6, 2.5, 4.0, 6.4MPa
 Strength testing pressure: PT2.4, 3.8, 6.0, 9.6MPa
 Seat testing pressure (low pressure): 0.6MPa
 Applicable media: Q21F-(16-64)C Water, Oil, Gas
 Applicable temperature: -40°C~280°C
 Applicable media: Q11F-(16-64)P Nitric acid
 Q11F-(16-64)R Acetic acid
 Applicable temperature: -40°C~280°C

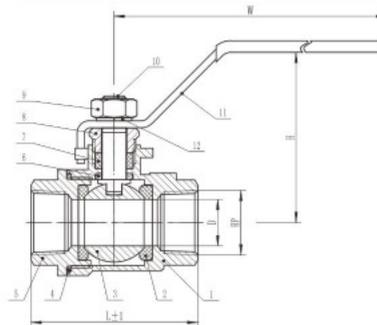
适用介质: Q11F-(16-64)C 水、油品、气
 适用温度: -40°C~280°C
 适用介质: Q11F-(16-64)P硝酸类
 Q11F-(16-64)R醋酸类

Applicable media: Q11F-(16-64)C Water, Oil, Gas
 Applicable temperature: -40°C~280°C
 Applicable media: Q11F-(16-64)P Nitric acid
 Q11F-(16-64)R Acetic acid



二片式球阀 YZQ11F2-GB

2PC Ball Valve



特点 Features

1. 全通径1/4"-4" (DN8~DN100)
2. 工作压力: 1000WOG(PN63)
3. 工作温度: -40°C~280°C
4. 精密铸造
5. 手柄带锁装置(可选)
6. 螺纹类型: G·NPT.BSPT.BSP.DIN259/2999
7. 连接方式: 螺纹、快装、焊接、承插
- 1.Full port, 1/4"-4" (DN8-DN100)
- 2.W.P.: 1000WOG PN63
- 3.W.T.: -40°C~280°C
- 4.Investment casting
- 5.Locking device handle (option)
- 6.Thread type: G·NPT.BSPT.BSP.DIN259/2999
- 7.Connection method: threaded, clamp, welding, socket

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	304 / 316
2	阀座 Seat	RPTFE PTFE PEEK PPL
3	球 Ball	304 / 316
4	线圈 Sealing ring	RPTFE PTFE PEEK PPL
5	阀盖 Bonnet	304 / 316
6	密封垫 Gasket	RPTFE PTFE PEEK PPL
7	填料 Packing	RPTFE PTFE PEEK PPL
8	压盖 Gland	304
9	阀杆螺母 Stem nut	304
10	阀杆 Stem	316
11	手柄 Handle	201
12	弹簧垫圈 Spring washer	304

外形尺寸 Outline size

SIZE	D	RP/DN	L1(重型)	L2(轻型)	H	W
1/4"	11.5	1/4"	62	51.2	50	92
3/8"	11.5	3/8"	62	52	50	92
1/2"	15	1/2"	62	53.5	50	103
3/4"	20	3/4"	72	64	51	115
1"	25	1"	81	71.5	60	130
1-1/4"	32	1-1/4"	95	84	70	144
1-1/2"	38	1-1/2"	106	94	79.5	157
2"	49	2"	120	109	88	170

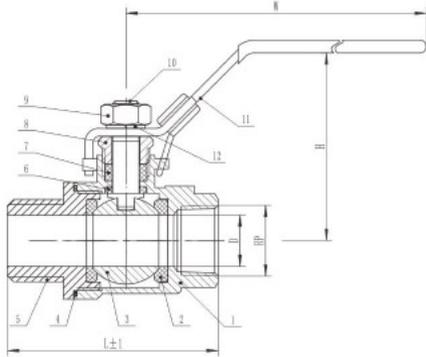


YZQM121F2-GB 二片式内外螺纹球阀(高平台) M/F 2PC Ball Valve(PAD)

技术要求 Technical requirement

1. 设计制造: GB/T-12224
2. 适用温度: -40°C~280°C
3. 螺纹标准: BSPT/BSP/NPT/DIN/JIS/RC/G
4. 检测与测试: GB/T-13927
5. 试验结束后, 清除积水, 控净内腔, 并在口径两端用闷盖盖住, 防止脏物进入。

- 1.Design and manufacture: GB/T-12224
- 2.Applicable temperature: -40°C~280°C
- 3.Thread standard: BSPT / BSP / NPT / DIN / JIS / RC / G
- 4.Detection and test: GB/T-13927
- 5.After the test, remove the accumulated water, clean the inside, and use the blind cover at both ends of the drift diameter cover it to prevent the stolen goods from entering.



配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	WCB / 304 / 316
2	阀座 Seat	RPTFE PTFE PEEK PPL
3	球 Ball	304 / 316
4	线圈 Sealing ring	RPTFE PTFE PEEK PPL
5	阀盖 Bonnet	WCB / 304 / 316
6	密封垫 Gasket	RPTFE PTFE PEEK PPL
7	填料 Packing	RPTFE PTFE PEEK PPL
8	压盖 Gland	304
9	阀杆螺母 Stem nut	304
10	阀杆 Stem	304 / 316
11	手柄 Handle	201
12	弹簧垫圈 Spring washer	304

外形尺寸 Outline size

SIZE	D	RP/DN	L	H	W	Platform
1/2"	15	1/2"	67.5	53	95	F03/F04
3/4"	20	3/4"	84	60	115	F03/F04
1"	25	1"	88	71	165	F04/F05
1-1/4"	32	1-1/4"	102	78	165	F04/F05
1-1/2"	38	1-1/2"	110	86	190	F05/F07
2"	50	2"	125	95	190	F05/F07



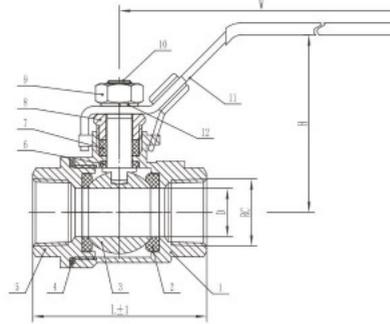
二片式德标球阀 2PC DIN Ball Valve

YZQ11F2-DIN

技术要求 Technical requirement

1. 设计标准: ASME B16.34 PN16
2. 结构长度: DIN3202-M3
3. 螺纹标准: ANSI B1.20.1, DIN 259/2999, ISO 228
4. 适用温度: -40°C~280°C
5. 检测标准: API598
6. 试验结束后, 清除积水, 控净内腔, 并在口径两端用闷盖盖住, 防止脏物进入。

- 1.Design standard: ASME B16.34 PN16
- 2.Structure length: DIN3202-M3
- 3.Thread standard: ANSI B1.20.1, DIN259/2999, ISO 228
- 4.Applicable temperature: -40°C~280°C
- 5.Test standard: API598
- 6.After the test, remove the accumulated water, clean the inside, and cover both ends of the diameter with a blind cover to prevent the dirt from entering.



配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	WCB / 304 / 316
2	阀座 Seat	RPTFE PTFE PEEK PPL
3	球 Ball	304 / 316
4	线圈 Sealing ring	RPTFE PTFE PEEK PPL
5	阀盖 Bonnet	WCB / 304 / 316
6	密封垫 Gasket	RPTFE PTFE PEEK PPL
7	填料 Packing	RPTFE PTFE PEEK PPL
8	压盖 Gland	304
9	阀杆螺母 Stem nut	304
10	阀杆 Stem	304 / 316
11	手柄 Handle	201
12	弹簧垫圈 Spring washer	304

外形尺寸 Outline size

SIZE	D	RC	L	H	W	重量(Kg)
1/4"	11.5	8	55	50	115	0.205
3/8"	11.5	10	69.5	50	115	0.212
1/2"	15	15	74.5	58	140	0.274
3/4"	20	20	79	62	150	0.383
1"	25	25	89.5	72	150	0.598
1-1/4"	32	32	110	80	180	0.836
1-1/2"	38	40	120	90	190	1.36
2"	50	50	138.5	98	190	1.82
2-1/2"	65	65	186	125	230	3.761
3"	80	80	204.5	135	250	5.27
4"	100	100	238	156	280	8.604



YZQ81F2-GB 二片式快装球阀 2PC Clamp Ball Valve

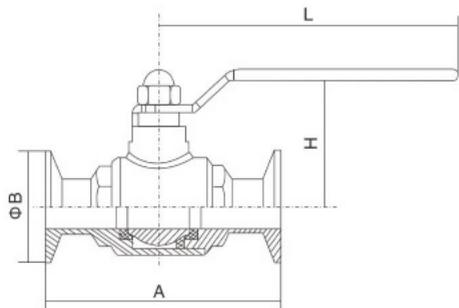
技术要求 Technical requirement

1. 设计标准: ASME B16.34 PN16
2. 结构长度: DIN 3202-M3
3. 快装接头标准: ISO, 3A/SMS, DIN
4. 适用温度: -40°C~280°C
5. 检测标准: API598
6. 试验结束后, 清除积水, 控净内腔, 并在通径两端用网盖盖住, 防止脏物进入。

- 1.Design standard: ASME B16.34 PN16
- 2.Structure length: DIN 3202-M3
- 3.Quick connector standard: ISO / 3A / SMS / DIN
- 4.Applicable temperature: -40°C~280°C
- 5.Test standard: AP1598
- 6.After the test, remove the accumulated water, clean the inside and cover both ends of the diameter with a blind cover to prevent the dirt from entering.

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	WCB / 304 / 316
2	阀座 Seat	RPTFE PTFE PEEK PPL
3	球 Ball	304 / 316
4	线圈 Sealing ring	RPTFE PTFE PEEK PPL
5	阀盖 Bonnet	WCB / 304 / 316
6	密封垫 Gasket	RPTFE PTFE PEEK PPL
7	填料 Packing	RPTFE PTFE PEEK PPL
8	压盖 Gland	304
9	阀杆螺母 Stem Nut	304
10	阀杆 Stem	304 / 316
11	手柄 Handle	201
12	弹簧垫圈 Spring washer	304



卡箍式直通球阀 DIN Clamped Straight Ball Valve

SIZE	A	B	H	L
DN20	115.5	50.5	55	115
DN25	130	50.5	60	125
DN32	140.5	50.5	76	140
DN40	160	64	90	160
DN50	190	77.5	75	160
DN65	210	91	85	180
DN80	230	106	100	260
DN100	260	119	120	350



二片式螺纹高平台球阀 2PC Thread Ball Valve With Mounting Pad

YZQ11F2-GB-PAD

技术要求 Technical requirement

1. 设计标准: GB/T-12224
2. 适用温度: -40°C~280°C
3. 螺纹标准: BSPT/BSP/NPT/DIN/JIS/RC/G
4. 检测与测试: GB/T-13927
5. 试验结束后, 清除积水, 控净内腔, 并在通径两端用网盖盖住, 防止脏物进入。

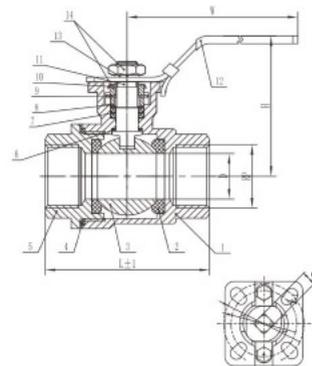
- 1.Design and manufacture: GB / T-12224
- 2.Applicable temperature: -40°C~280°C
- 3.Thread standard: BSPT / BSP / NPT / DIN / JIS / RC / G
- 4.Detection and test: GB / T-13927
- 5.After the test, remove the accumulated water, clean the inside, and cover both ends of the diameter with a blind cover to prevent the dirt from entering.

特点 Features

1. 全通径 Full port, 1/4"-4"(DN8--DN100)
2. 工作压力 W.P.:1000WOG(PN63)
3. 工作温度 W.T.: -40°C~280°C
4. 精密铸造 Investment casting
5. 手柄带锁装置(可选) Locking device handle(option)
6. 螺纹类型: G-NPT.BSPT.BSP.DIN259/2999

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	WCB / 304 / 316
2	阀座 Seat	RPTFE PTFE PEEK PPL
3	球 Ball	304 / 316
4	线圈 Sealing ring	RPTFE PTFE PEEK PPL
5	阀盖 Bonnet	WCB / 304 / 316
6	密封垫 Gasket	RPTFE PTFE PEEK PPL
7	填料 Packing	RPTFE PTFE PEEK PPL
8	压圈 Pressing ring	304
9	垫片 Gasket	304
10	装饰盖 Decorative cover	304
11	阀杆 Stem	304 / 316
12	手柄 Handle	201
13	弹簧垫圈 Spring washer	304
14	阀杆螺母 Stem nut	304

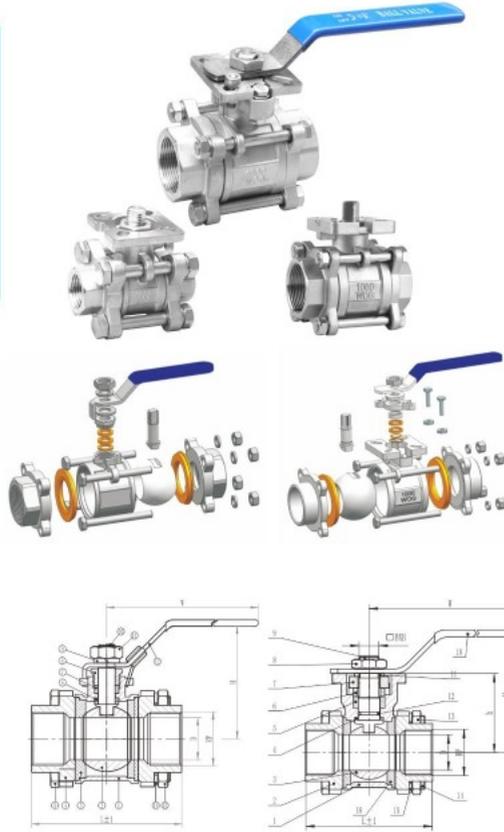


外形尺寸 Outline size

SIZE	D	L	C	H	W	不带手柄重量 No handle kg
1/4"	11.5	63	9x9	60	110	
3/8"	11.5	62	9x9	50	110	0.33
1/2"	15	62	9x9	50	110	0.30
3/4"	20	72	9x9	70	120	0.45
1"	25	81	11x11	70	145	0.73
1-1/4"	32	95	11x11	75	145	
1-1/2"	38	106	14x14	106	160	1.52
2"	50	120	14x14	106	170	2.25



YZQ11F3-GB-PAD

三片式球阀(高平台)
3PC Ball Valve(New ISO5211 Pad)

技术要求 Technical requirement

1. 设计制造: GB/T-12224/ANSI B16.34 PN16
 2. 检测与测试: GB/T-13927/API1598
 3. 螺纹标准: BSPT/BSP/NPT/DIN/JIS/RC/G
 4. 适用温度范围: -40°C~280°C
 5. 试验结束后, 清除积水, 控净内腔, 并在通径两端用盲盖盖住, 防止脏物进入。
- 1.Design and manufacture: GB/T-12224 / ANSI B16.34 PN16
 - 2.Detection and test: GB / T-13927 / API1598
 - 3.Thread standard: BSPT / BSP / NPT / DIN / JIS / RC / G
 - 4.Applicable temperature range: -40°C~280°C
 - 5.After the test, remove the accumulated water, clean the inside, and cover both ends of the diameter with a blind cover to prevent the dirt from entering.

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	316 / 304
2	球 Ball	316 / 304
3	阀座 Seat	RPTFE PTFE PEEK PPL
4	阀盖 Bonnet	316 / 304
5	螺栓 Bolt	304
6	密封垫 Gasket	RPTFE PTFE PEEK PPL
7	填料 Packing	RPTFE PTFE PEEK PPL
8	压盖 Gland	304
9	弹簧垫圈 Spring washer	304
10	阀杆 Stem	316
11	螺母 Nut	304
12	手柄 Handle	201
13	螺母 Nut	304
14	弹簧垫圈 Spring washer	304

外形尺寸 Outline size

SIZE	D	RP	L	H	h	W	BxB	Platform	带平台重量 Weight with platform Kg
1/2"	15	1/2"	67	65	49	135	9x9	F04/F05	0.663
3/4"	20	3/4"	78	70	52	135	9x9	F04/F05	0.796
1"	24	1"	90	80	55	170	11x11	F04/F05	1.1
1-1/4"	32	1-1/4"	105	85.5	59	170	11x11	F04/F05	1.78
1-1/2"	40	1-1/2"	123	100	75	190	14x14	F05/F07	2.725
2"	50	2"	133	111.5	81.5	190	14x14	F05/F07	3.606
2-1/2"	65	2-1/2"	183	130	99	285	17x17	F07/F10	7.88



三片式对焊球阀(高平台)

3PC Butt Weld Ball Valve(ISO 5211 Pad)

YZQ51F3-GB-PAD



技术要求 Technical requirement

1. 设计制造: GB/T-12224/ANSI B16.34
 2. 检测与测试: GB/T-13927/API1598
 3. 适用温度范围: -40°C~280°C
 4. 试验结束后, 清除积水, 控净内腔, 并在通径两端用盲盖盖住, 防止脏物进入。
1. Design and manufacture: GB / T-12224 / ANSIB16 34
 2. Detection and test: GB / T-13027 / API1598
 3. Applicable temperature range: -40°C~280°C
 4. After the test, remove the accumulated water, clean the inside, and cover both ends of the diameter with a blind cover to prevent the dirt from entering.

特点 Features

1. 全通径 Full port, 1/4"-4"(DN8-DN100)
2. 工作压力 W.P.: 1000 WOG(PN63)
3. 工作温度 W.T.: -40°C~280°C
4. 精密铸造 Investment casting
5. 手柄带锁装置(可选) Locking device handle(option)
6. 螺纹类型: G-NPT. BSPT.BSP.DIN259/2999

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	WCB / 304 / 316
2	球 Ball	304 / 316
3	阀座 Seat	RPTFE PTFE PEEK PPL
4	阀盖 Bonnet	WCB / 304 / 316
5	螺栓 Bolt	304
6	密封垫 Gasket	RPTFE PTFE PEEK PPL
7	填料 Packing	RPTFE PTFE PEEK PPL
8	压盖 Gland	304
9	弹簧垫圈 Spring washer	304
10	阀杆 Stem	304 / 316
11	螺母 Nut	304
12	手柄 Handle	201
13	螺母 Nut	304
14	弹簧垫圈 Spring washer	304

外形尺寸 Outline size

SIZE	D	L	H	W	不带平台重量 Weight without platform Kg
1/4"	10	72	50	96.5	0.580
3/8"	12	72	50	96.5	0.346
1/2"	15	73.5	65	135	0.539
3/4"	20	83	70	135	0.593
1"	25	92	79.8	170	0.962
1-1/4"	32	105.5	85.5	170	1.503
1-1/2"	38	115.5	100	190	2.079
2"	49	140.5	111.5	190	2.576



YZQ51F3-GB-PAD

三片式插焊球阀(高平台)

3PC Socket Weld Ball Valve (ISO 5211 Pad)



技术要求 Technical requirement

1. 设计制造: GB/T-12224/ANSI B16.34 PN16
2. 检测与测试: GB/T-13927/API1598
3. 承插焊连接标准: ASME B16.11 & DIN3239 part2
4. 适用温度范围: -40°C~280°C
5. 试验结束后, 清除积水, 控净内腔, 并在通径两端用盲盖盖住, 防止脏物进入。

- 1.Design and manufacture : GB/T-12224 / ANSI B16.34 PN16
- 2.Detection and test : GB / T-13927 / API1598
- 3.Socket welding connection standard : ASME B16.11 & DIN3239 part 2
- 4.Applicable temperature range : -40°C~280°C
- 5.After the test , remove the accumulated water , clean the inside , and cover both ends of the diameter with a blind cover to prevent the dirt from entering.

特点 Features

- 1、全通径 Full port,1/4"-4"(DN8-DN100)
- 2、工作压力 W.P.: 1000 WOG(PN63)
- 3、工作温度 W.T.: -40°C~280°C
- 4、精密铸造 Investment casting
- 5、手柄带锁装置(可选) Locking device handle(option)
- 6、螺纹类型: G-NPT. BSPT.BSP.DIN259/2999

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	WCB / 316 / 304
2	球 Ball	316 / 304
3	阀座 Seat	RPTFE PTFE PEEK PPL
4	阀盖 Bonnet	WCB / 316 / 304
5	螺栓 Bolt	304
6	密封垫 Gasket	RPTFE PTFE PEEK PPL
7	填料 Packing	RPTFE PTFE PEEK PPL
8	压盖 Gland	304
9	弹簧垫圈 Spring washer	304
10	阀杆 Stem	304 / 316
11	螺母 Nut	304
12	手柄 Handle	201
13	螺母 Nut	304
14	弹簧垫圈 Spring washer	304

外形尺寸 Outline size

SIZE	D	D1	L	H	W	J	Platform	不带平台重量 Weight without platform Kg
1/2"	15	21.8	67	65	135	10	F04/F05	0.54
3/4"	20	27.5	78	70	135	13	F04/F05	0.683
1"	25	34.2	90	79.8	170	13	F04/F05	0.957
1-1/4"	32	42.6	105	85.5	170	13	F04/F05	1.262
1-1/2"	38	49	123	100	190	13	F05/F07	1.942
2"	49	61.5	133	111.5	190	16	F05/F07	3.235



三片式快装球阀(高平台)

3PC Clamp Ball Valve(New ISO5211 Pad)

YZQ81F3-GB-PAD



技术要求 Technical requirement

1. 设计制造: GBT-12224/ANSI B16.34 PN16
2. 检测与测试: GB/T-13927/API1598
3. 平台参照标准: ISO 5211-2001
4. 快装接头参照标准: ISO、3A/SMS、DIN
5. 适用温度范围: -40°C~280°C
6. 试验结束后, 清除积水, 控净内腔, 并在通径两端用盲盖盖住, 防止脏物进入。

- 1.Design and manufacture : GB/T-12224 / ANSI B16.34 PN16
- 2.Detection and test : GB T-13927 / API1598
- 3.Platform Reference Standard : ISO5211-2001
- 4.Clamp Reference standard : ISO、3A / SMS、DIN
- 5.Applicable temperature range : -40°C~280°C
- 6.After the test , remove the accumulated water , clean the inside , and cover both ends of the diameter with a blind cover to prevent the dirt from entering.

特点 Features

- 1、全通径 Full port,1/4"-4"(DN8-DN100)
- 2、工作压力 W.P.: 1000 WOG(PN63)
- 3、工作温度 W.T.: -40°C~280°C
- 4、精密铸造 Investment casting
- 5、手柄带锁装置(可选) Locking device handle(option)
- 6、螺纹类型: G-NPT. BSPT.BSP.DIN259/2999

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	304 / 316
2	阀盖 Bonnet	304 / 316
3	球 Ball	304 / 316
4	密封垫 Gasket	RPTFE PTFE PEEK PPL
5	填料 Packing	RPTFE PTFE PEEK PPL
6	压圈 Pressing ring	304
7	压板 Pressing plate	304
8	阀杆螺母 Stem nut	304
9	阀杆 Stem	316
10	手柄 Handle	201
11	定位片 Locating piece	304
12	O型圈 O-ring	VITON
13	螺母 Nut	304
14	螺栓 Bolt	304
15	弹簧垫圈 Spring washer	304
16	阀座 Seat	RPTFE PTFE PEEK PPL

外形尺寸 Outline size

SIZE	D	D1	G	L	H	h	W	BxB	Platform	带平台重量 Weight with platform Kg
1/2"	15	50.5	43.5	101	65	49	135	9x9	F04/F05	0.808
3/4"	20	50.5	43.5	107	70	52	135	9x9	F04/F05	0.907
1"	25	50.5	43.5	120	79.8	55	170	11x11	F04/F05	1.23
1-1/4"	32	50.5	43.5	140	85.5	59	170	11x11	F04/F05	1.773
1-1/2"	40	50.5	43.5	148.5	100	75	190	14x14	F05/F07	2.450
2"	50	64	56.5	165	111.5	81.5	190	14x14	F05/F07	3.447
2-1/2"	65	77.5	70.5	182	130	99	285	17x17	F07/F10	7.12



YZQ11F3-GB-PAD 三片式2000WOG高平台球阀 2000WOG 3PC Ball Valve With Mounting Pad



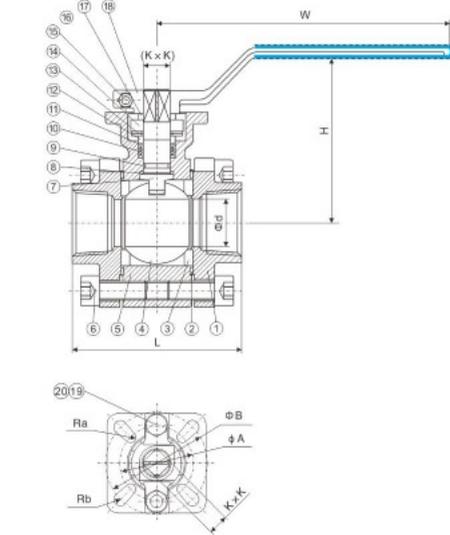
特点 Features

- 1、全通径 Full port, 1/4"~4" (DN8~DN100)
- 2、工作压力 W.P.: 2000WOG
- 3、工作温度 W.T.: -40°C~280°C
- 4、精密铸造 Investment casting
- 5、阀杆防爆出装置设计 Blow-out proof stem
- 6、双蝶形弹簧动负载设计 Live-loading design
- 7、防静电装置 (可选) Anti-static device (option)
- 8、手柄带锁装置 (可选) Locking device handle (option)
- 9、ISO5211直装高平台设计 ISO5211 Direct mounting pad
- 10、自动化装置 (可选) Automation accessories (option)
- 11、螺纹连接标准 Thread type: ASME B1.20.1 (NPT) DIN259/DIN2999, BS 21, ISO288-1, SIO7-1
- 12、承插焊连接标准: Socket weld type: ASME B16.11& DIN3239 part2
- 13、对焊连接标准: Butt weld type: ASME B16.25&DIN3239 part1

材料表 Material List

序号 No.	名称 Name	材料 Material
1	阀盖 Bonnet	WCB / 304 / 316
2	垫片 Gasket	PTFE
3	阀座 Seat	RPTFE / PEEK
4	球体 Ball	304 / 316
5	阀体 Body	WCB / 304 / 316
6	六角螺栓 Hex socket bolt	304
7	阀杆 Stem	304 / 316
8	阀杆垫圈 Stem washer	PTFE + 25%GF
9	O型圈 O-ring	FPM
10	填料 Packing	PTFE
11	耐磨垫圈 Wear washer	PTFE + 25%GF
12	填料盖 Gland	304
13	蝶形弹簧 Disc spring	304
14	压盖法兰 Gland flange	304
15	螺母 Nut	304
16	六角螺栓 Hex socket bolt	304
17	定位片 Locating piece	304
18	手柄 Handle	WCB / 304
19	螺栓 Bolt	304
20	螺母 Nut	304

Unit:mm



尺寸 Dimensions

SIZE	DN	d	W	KxK	A	B	Ra	Rb
1/4"	DN6	10	140	9x9	36	42	3.0	3.0
3/8"	DN10	12	140	9x9	36	42	3.0	3.0
1/2"	DN15	15	140	9x9	36	42	3.0	3.0
3/4"	DN20	20	140	9x9	36	42	3.0	3.0
1"	DN25	25	170	11x11	42	50	3.0	3.5
1-1/4"	DN32	32	170	11x11	42	50	3.0	3.5
1-1/2"	DN40	38	200	14x14	50	70	3.5	4.5
2"	DN50	50	200	14x14	50	70	3.5	4.5
2-1/2"	DN65	65	300	17x17	70	102	4.5	5.5
3"	DN80	80	300	17x17	70	102	4.5	5.5
4"	DN100	100	300	17x17	70	102	4.5	5.5



YZQ51F3-GB-PAD 三片式加长对焊球阀(高平台) Long Welding 3PC Ball Valve (Pad)

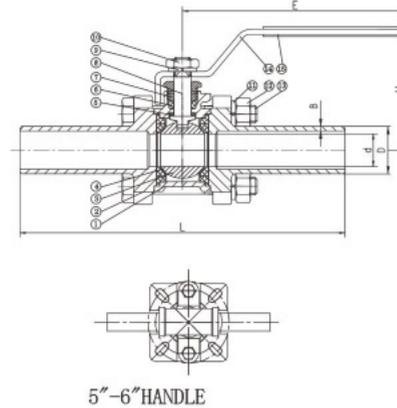


特点 Features

- 1、全通径 Full port, 1/4"~4" (DN8~DN100)
- 2、工作压力 W.P.: 2000WOG
- 3、工作温度 W.T.: -40°C~280°C
- 4、精密铸造 Investment casting
- 5、阀杆防爆出装置设计 Blow-out proof stem
- 6、双蝶形弹簧动负载设计 Live-loading design
- 7、防静电装置 (可选) Anti-static device (option)
- 8、手柄带锁装置 (可选) Locking device handle (option)
- 9、ISO5211直装高平台设计 ISO5211 Direct mounting pad
- 10、自动化装置 (可选) Automation accessories (option)
- 11、螺纹连接标准 Thread type: ASME B1.20.1 (NPT) DIN259/DIN2999, BS 21, ISO288-1, SIO7-1
- 12、承插焊连接标准: Socket weld type: ASME B16.11& DIN3239 part2
- 13、对焊连接标准: Butt weld type: ASME B16.25&DIN3239 part1

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	304 / 316
2	阀盖 Bonnet	304 / 316
3	球 Ball	304 / 316
4	阀座 Seat	RPTFE PTFE PEEK PPL
5	密封垫 Gasket	RPTFE PTFE PEEK PPL
6	填料 Packing	RPTFE PTFE PEEK PPL
7	压盖 Gland	304
8	阀杆 Stem	304 / 316
9	垫片 Gasket	SS
10	螺母 Nut	A2-70
11	垫片 Washer	SS
12	螺母 Nut	A2-70
13	螺栓 Bolt	A2-70
14	手柄 Handle	SS
15	皮套 Holster	PVC



尺寸 Dimensions

SIZE	d	L	B	D	H	E
1/4"	DN6	130	2.1	14.2	50	120
3/8"	DN10	130	2.1	17.2	50	120
1/2"	DN15	150	2.1	21.3	55	120
3/4"	DN20	155	2.1	26.9	66	135
1"	DN25	186	2.8	33.7	71	160
1-1/4"	DN32	195	2.8	42.4	81	170
1-1/2"	DN40	231	2.8	48.3	87	190
2"	DN50	243	2.8	60.3	94	220
2-1/2"	DN65	290	3	76.1	119	280
3"	DN80	302	3	88.9	125	280
4"	DN100	326	3	114.3	159	330
5"	DN125	360	3.4	141.3	186	330
6"	DN150	390	3.4	168.3	207	330



YZQ85F3W-GB-PAD

三通快装球阀(高平台)
3WAY Clamp Ball Valve (New ISO5211 Pad)

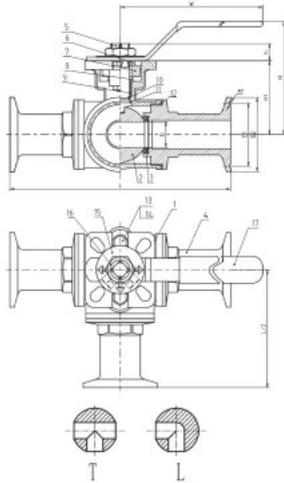
技术要求 Technical requirement

- 1、设计制造: GB/T-12224/ ANST B16.34
- 2、平台参照标准: ISO 5211-2001
- 3、快装接头参照标准: ISO、3A/SMS、DIN
- 4、检测与测试: GB/T-13927、API1598
- 5、适用温度范围: -40°C~280°C
- 6、试验结束后, 清除积水, 控净内腔, 并在通径两端用闷盖盖住, 防止脏物进入。

- 1.Design and manufacture: GB/T-12224/ANST B16.34
- 2.Platform reference standard: ISO5211-2001
- 3.Clamp Reference standard: ISO3、A/SMS、DIN
- 4.Detection and test: GB/T-13927/API1598
- 5.Applicable temperature range: -40°C~280°C
- 6.After the test, remove the accumulated water, clean the inside, and cover both ends of the diameter with a blind cover to prevent the dirt from entering.

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	WCB / 304 / 316
2	球体 Sphere	304 / 316
3	阀座 Seat	RPTFE PTFE PEEK PPL
4	阀盖 Bonnet	WCB / 304 / 316
5	阀杆 Stem	304 / 316
6	定位片 Locating piece	304
7	压板 Pressing plate	304
8	压圈 Pressing ring	304
9	填料 Packing	RPTFE PTFE PEEK PPL
10	O型密封圈 O-ring	VITON
11	密封垫 Gasket	RPTFE PTFE PEEK PPL
12	线圈 Sealing ring	RPTFE PTFE PEEK PPL
13	螺栓 Bolt	304
14	螺母 Nut	304
15	标牌 Signs	Al
16	阀杆螺母 Stem nut	304
17	手柄 Handle	201



外形尺寸 Outline size

SIZE	D	L	L/2	D1	D2	H1	h	H	W	BxB	Platform
1/2"	12	132	66	43.5	50.5	46.5	10	70	135	9x9	F03/F04
3/4"	15	152	76	43.5	50.5	50	10	73	135	9x9	F03/F04
1"	20	160	80	43.5	50.5	53	10	86	170	11x11	F04/F05
1-1/4"	25	181	90.5	43.5	50.5	62	13	96	170	11x11	F04/F05
1-1/2"	32	202	101	43.5	50.5	79	15	110	190	14x14	F05/F07
2"	38	228	114	56.5	64	82	15	117	190	14x14	F05/F07
2-1/2"	50	250	125	83.5	91	97	15	142	285	17x17	F07/F10
3"	65	276	138	93	106	112	15	153	285	17x17	F07/F10



三通螺纹球阀(高平台)

3WAY Thread Ball Valve (New ISO5211 Pad)

YZQ15F3W-GB-PAD



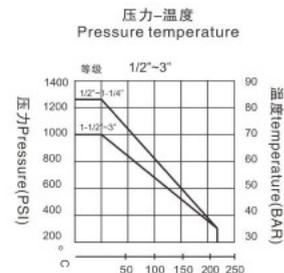
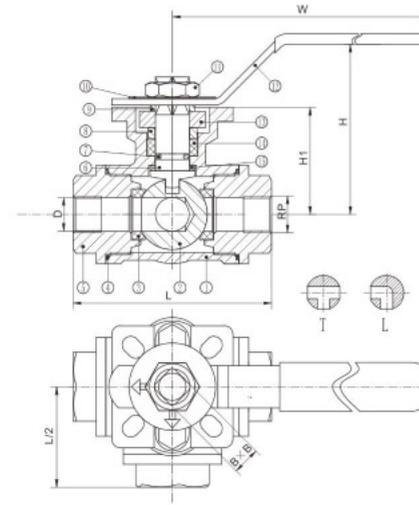
技术要求 Technical requirement

- 1、设计制造: GB/T-12224/ANST B16.34
- 2、平台参照标准: ISO 5211-2001
- 3、螺纹标准: BSPT/BSP/NPT/DIN/JIS/RC/G
- 4、检测与测试: GB/T-13927/API1598
- 5、适用温度范围: -40°C~280°C
- 6、试验结束后, 清除积水, 控净内腔, 并在通径两端用闷盖盖住, 防止脏物进入。

- 1.Design and manufacture: GB/T-12224/ANST B16.34
- 2.Platform reference standard: ISO 5211-2001
- 3.Thread standard: BSPT / BSP / NPT / DIN / JIS / RC / G
- 4.Detection and test: GB/T-13927/API1598
- 5.Applicable temperature range: -40°C~280°C
- 6.After the test, remove the accumulated water clean the inside, and cover both ends of the diameter with a blind cover to prevent the dirt from entering.

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	304 / 316
2	球 Ball	304 / 316
3	阀座 Seat	RPTFE PTFE PEEK PPL
4	线圈 Sealing ring	RPTFE PTFE PEEK PPL
5	阀盖 Bonnet	304 / 316
6	阀杆 Stem	316
7	O型圈 O-ring	VITON
8	压圈 Pressing ring	304
9	定位片 Locating piece	304
10	标牌 Signs	Al
11	阀杆螺母 Stem nut	304
12	手柄 Handle	201
13	压板 Pressing plate	304
14	填料 Packing	RPTFE PTFE PEEK PPL
15	密封垫 Gasket	RPTFE PTFE PEEK PPL



试验压力 Test pressure

公称压力 Nominal pressure	1000PSI
壳体压力试验 Shell pressure test	10.4MPa
水密封试验 Water seal test	7.6MPa
气密封试验 Airtight seal test	0.4-0.7MPa



YZQ15F3W-GB-PAD

三通螺纹球阀(高平台)
3WAY Thread Ball Valve (New ISO5211 Pad)

外形尺寸 Outline size

SIZE	D	L	L/2	H1	H	W	BxB	Platform	带平台重量 Weight with platform kg
1/4"	10	69	35.5	34	62	125	9x9	F03/F04	
3/8"	10	69	35.5	34	62	125	9x9	F03/F04	
1/2"	10	71	35.5	34	62	125	9x9	F03/F04	0.536
3/4"	15	84	39.5	42	70	125	9x9	F03/F04	0.693
1"	18	89	44	52	82	140	11x11	F04/F05	0.997
1-1/4"	25	117	57.5	58	88	140	11x11	F04/F05	1.993
1-1/2"	32	133.5	67	67	97	180	14x14	F05/F07	3.147
2"	40	148	73	78	108	180	14x14	F05/F07	

结构图 Structure chart



气动执行器

Pneumatic Actuator

概述

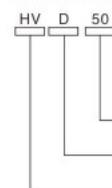
HV系列第六代改进型齿条齿条式气动执行器

Hv系列第六代改进型阀门气动执行器,体现着意大利最新设计理念,外形美观精致,性能更加可靠,模块化设计,可直接安装其它控制附件,有效提升产品使用效率性与经济性,符合设计师最新审美观。

Description

HV series sixth generation improved rack and pinion pneumatic actuator
The HV series sixth-generation improved valve pneumatic actuator embodies the latest Italian design concept. Beautiful and exquisite appearance, more reliable performance, modular design, can be directly installed with other control accessories, effectively improve product efficiency and economy, in line with the designers latest aesthetics.

型号编制 Model



HV系列执行器的型号和规格表示方法共有三部分组成
HV series actuator model and specification representation method consists of three parts
如下图所示

- 1、HV执行器系列
HV series actuator
- 2、执行器作用形式(D-双作用S-单作用)
Actuator action form(d-double acting S-single acting)
- 3、执行器气缸直径(mm)
Actuator cylinder diameter(mm)

性能、结构和设计特点 Performance, structure and design features

- ①齿条齿条双活塞对称结构设计,动作快速平稳,精度高,输出功率大,通过简单的改变活塞装配位置可得到反方向旋转。
- ②挤压的优质铝合金缸体、经精密加工的内孔和外部面进行硬质阳极氧化处理(特殊情况下阳极氧化+特氟隆涂层),使用寿命更长,摩擦系数低。
- ③一体式设计,所有的双作用和单作用执行器型号,都具有相同的缸体和端盖,很方便通过加装弹簧或拆除弹簧来改变作用方式。
- ④组合式预负荷安全弹簧组,不论在装配过程还是使用现场,都能方便而安全的安装弹簧或增减弹簧数量。
- ⑤外部有两个单独调节螺钉对于已安装在阀门上的执行器更能精确方便的调节阀开和阀关位置,如需全行程调节时则另外在两个端盖处配置较长调节螺钉。
- ⑥多功能位置指示器,现场可视化指示,符合VID/VIE3845、NAMUR标准槽,能安装并输出所有附件,如限位开关盒、电气定位器、位置传感器(倍加福、图尔克)。
- ⑦气源接口符合NRMAR标准,可直接安装 NUMAR标准电磁阀。
- ⑧齿轮背面复合材料的轴瓦和活塞导向环以及输出轴的轴承等为防止金属的摩擦,增加润滑,降低摩擦,增加寿命。
- ⑨所有的紧固件均采用碳钢镀镍或不锈钢材料,长期抗腐蚀。
- ⑩连接部分符合全新国际标准规范ISO5211, DIN3337(F03-F25)使产品安装具有交互性、通用性。

- 1.Symmetrical structure design of double-piston rack and pinion, fast and smooth action, high precision, large output power, reverse rotation can be obtained by simply changing the assembly position of the piston.
- 2.The extruded high-quality aluminum alloy cylinder body, the precision-machined inner hole and the outer surface are hard anodized (anodized under special circumstances + Teflon coating), which has a longer service life and a low coefficient of friction.
- 3.One-piece design, all double-acting actuator models have the cylinder body and end cover, it is convenient to change the action mode by adding or removing springs.
- 4.Combined preload safety spring group, whether in the assembly process or on-site, can easily and safely install the spring or increase or decrease the number of springs.
5. There are two separate adjustment screws on the outside for the actuator installed on the valve to more accurately and conveniently adjust the valve opening and closing positions. If full stroke adjustment is required, longer adjustment screws are additionally provided at the two end caps.
6. Multi-function position indicator, on-site visual indication, in line with VID / VIE 3845, NAMUR standard slot, can install and output all accessories, such as limit switch box, electrical positioner sensor (Pegatron, Turck).
- 7.The air source interface conforms to the NR MAR standard, and can be directly installed with the NU MAR standard solenoid valve.
- 8.The bearing bush of the composite material on the back of the gear, the piston guide ring, and the bearing of the output shaft, etc. prevent metal friction, increase lubrication, reduce friction and increase service life.
- 9.All fasteners are made of carbon steel nickel-plated or stainless steel materials, long-term corrosion resistance.
- 10.The connection part complies with the new international standard specification IS 05211, DIN 3337(F 036-F 25), making the product installation interchangeable and versatile.





电动执行器

Electric Actuator

概述 Description

本装置是回转型电子阀门驱动装置，可以通过外接电源的切换或外部输入信号，实现开、关和中间位置的置位。

This is a rotary electronic valve driving device, which can realize the control of opening, closing and intermediate external through the switching of switching of power supply or external input signal.

特点

- 1.功能强劲: 智能型、开关型、各类信号输出型应有尽有
- 2.美观大方: 铝合金压铸外壳, 体积小, 重量轻量化, 又可减少电磁干扰
- 3.精密耐磨: 涡轮输出轴一体化设计避免了键联结的间隙、传动精度高、采用特殊铜合金锻造、强度高、耐磨性能好
- 4.安全保障: 通过AC1500V耐压检测, F级绝缘电机
- 5.保护装置: 双金限位, 过热保护
- 6.使用方便: 免加油、免点检、防水防锈、任意角度安装
- 7.智能数控: 智能控制模块高度集成于电动装置本体中, 无外接定位器。数字设定、数字整定、高度精确、自我诊断、一机多能。

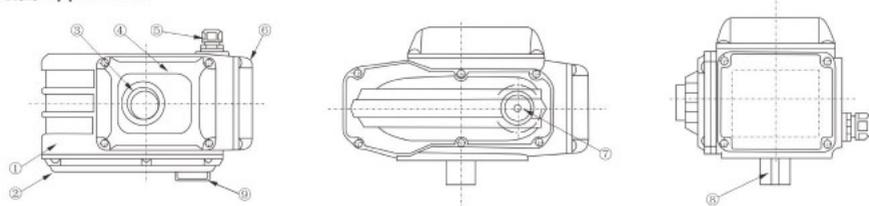
Features

1. Powerful functions : Smart , switch , and various signal output types .
2. Beautiful appearance : aluminum alloy die-casting shell , small size , light weight , and can reduce electromagnetic . interference .
3. Precision wear-resistance : The integrated design of the turbine output shaft avoids the gap of the key connection , high transmission accuracy , special copper alloy forging , high strength and good wear resistance .
4. Safety guarantee : passed AC 1500V withstand voltage test , Class F insulated motor .
5. Protection device : double limit , overheat protection , overload protection .
6. Easy to use : no need to add oil , no inspection , waterproof and anti-rust , installation at any angle .
7. Intelligent CNC : The intelligent control module is highly integrated in the body of the electric device without the need for an external positioner . Digital setting , digital setting , high accuracy , self-diagnosis , multi-function .

主要零件名称 Main parts name

序号 No.	名称 Name
1	箱体 Body
2	驱动部盖 Drive cover
3	开度计 Degree gauge
4	电装部盖 Denso cover
5	进线线锁 In line wire lock
6	电气接线盖 Electrical wiring cover
7	手柄轴孔 Handle shaft hole
8	输出轴 Output shaft
9	手柄轴橡胶帽 Handle shaft rubber cap

外观图 Appearance

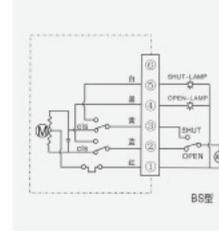


电动执行器

Electric Actuator

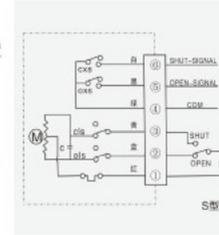
控制电路图

Control circuit diagram



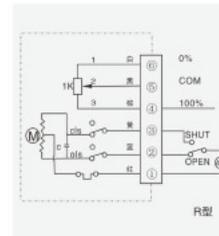
BS型: 极限位置开关 (标准型)
功能: 通过开关电路实现开启、关闭操作, 并输出一组有源位置信号 (全开、全闭)

BS type: Limit position switch (standard type)
Function: Open and close operations through the switch circuit and output a set of active position signals (fully open, fully closed)



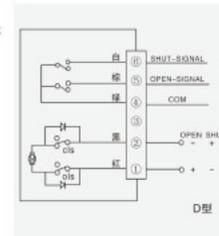
S型: 无源触点型(S)线路图
功能: 通过关电峰尖视开启、关闭操作, 并输出一组指示阀门全开、全闭位置大源开关信号。
结构: 带两个中间位置开关。

S type: Passive contact type (S) Function: Through the switch circuit to achieve opening and closing operations . output a set of passive switch signals indicating the valve fully open, fully closed position.
Structure: With two intermediate position switches .



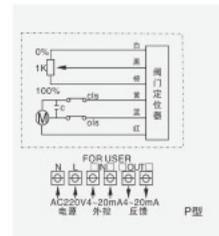
R型: 开度信号型(R)线路图
功能: 通过开关电路控制阀门开启角度并输出与开度位置对应的电阻信号。
结构: 带500Ω或1000Ω电位器。

R type: Opening signal type (R) Function: Control the valve opening angle through the switch circuit and output the resistance signal corresponding to the opening position.
Structure: With 500Ω or 1000Ω potentiometer .



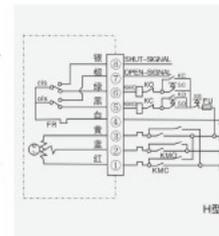
D型: DC24V直流控制电路
功能: 通过外部电路对直流电源正负极换向, 实现开启、关闭操作并输出一组无源触点 (全开、全闭) 信号。
结构: 带中间位置开关。

Type D: DC24V DC control circuit Function: Commutates the positive and negative poles of the DC power supply through an external circuit to achieve opening and closing operations and output a group passive contact (full open, full closed) signal .
Structure: With intermediate position switch .



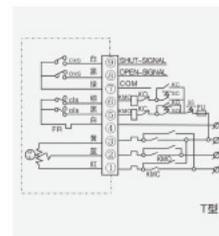
P型: 带控制模块 (智能型)
功能: 调节作用, 输入4-20mADC或1-5VDC, 输出4-20mADC。
结构: 带控制模块和1KΩ电位器

P type: With control module (intelligent type) Function: Adjustment function, input 4-20mADC or 1-5VDC, output 4-20m ADC.
Structure: With control module and 1KΩ potentiometer



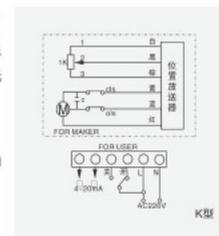
H型: 三相交流开关型(380V)极限位置开关 (标准型) 功能全开、全闭极限位置开关操作。

Type H: Three-phase AC switch type(380V) Limit position switch (standard type) fully open and fully closed limit position switch operation .



T型: 三相交流无源触点型(380V)特征: 通过外部电路控制, 实现控制电路换相, 使阀门电动执行器开启、关闭。同时输出一组无源触点信号。

Type T: Three-phase AC passive contact type (380V) Features: Through external circuit control, the control circuit is commutated, and actuator is opened and closed. Simultaneously output a group of passive contact signals .



K型: AC380V开度信号
功能: 输出4-20mADC开度信号 (对阀门实现全程反馈)
结构: 带R/I变换器和1KΩ电位器

Type K: AC380V opening signal Function: output 4-20mADC valve position signal (full feedback to the valve)
Structure: With R / I converter and 1K Ω potentiometer



YZQ941F2-GB

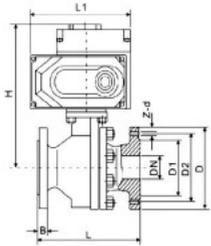
法兰电动球阀
Flange Ball Valve With Electric Actuator



产品概述 Product overview

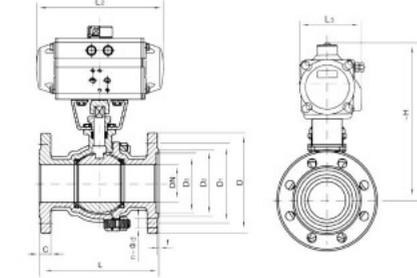
电动球阀是一转角90°的旋转球阀，密封性能优良，流通能力大，阻系数小，结构简单、维修方便、使用寿命长，阀体通道和连接管径相等并成一直径，介质几个可以毫无扣失的流过。配有ODL、OHQ等高性能执行机构，产品通常用于密封要求严格的场合，除控制气体、流体、蒸汽介质外，还适宜控制污水和含有纤维性杂质的介质，广泛用于石油、化工、冶金、轻工、造纸、电站、制冷等工作领域。

The electric ball valve is a rotary ball valve with a 90-degree angle. It has excellent sealing performance, large flow capacity, low flow resistance coefficient, simple structure, convenient maintenance, long service life, the valve body channel and the connecting pipe have the same diameter. This can flow through without loss. Equipped with ODL, OHQ and other high-performance actuators, leveling is usually used in occasions with strict sealing requirements. In addition to controlling gas, fluid, and steam media, it is also suitable for controlling sewage and media containing fibrous magazines. It is widely used in petroleum and chemical industries, metallurgy, light work, papermaking, power station, refrigeration and other work areas.



产品特点

1. 流体阻力小，球阀是所有阀类中流体阻力最小的一种，即使是缩径球阀，其流体阻力也相当小。
2. 止推轴承减小阀杆摩擦扭矩，可使用阀杆长期操作平衡灵活。
3. 阀座密封性能好，采用聚四氟乙烯等材料制成的密封圈，结构易于密封，而且球阀的阀封能力随着介质的压力的增大而增大。
4. 阀杆密封可靠，由于阀杆只作旋转运动而不做升降运动，阀杆的填料密封不易破坏，且密封能力随着介质的压力增设而增大。
5. 由于聚四氟乙烯材料具有良好的自润滑性，与球体的摩擦损失小，帮球阀的使用寿命长。
6. 下装式阀杆和阀杆头部凸阶防止阀杆喷出，如火灾造成阀杆密封破坏，凸阶与阀体间还可以形成金属接触，确保阀杆密封。



Product features

1. The fluid resistance is small, and the ball valve is the smallest fluid resistance of all valves. Even the reduced diameter ball valve has relatively small fluid resistance.
2. The thrust bearing reduce the friction torque of the valve stem, and the valve stem can be used for long-term operation and balance.
3. The valve seat has good sealing performance. The sealing ring made of polytetrafluoroethylene and other materials is easy to seal, and the valve sealing ability of the ball valve increases with the increase of the pressure of the medium.
4. The valve stem is reliable in sealing. Because the valve stem only rotates and does not move up and down, the packing seal of the valve stem is not easy to be damaged, and the sealing capacity increases with the increase of the pressure of the medium.
5. Since the PTFE material has good self-lubricating properties, the friction loss with the ball is small, and the service life of the ball valve is long.
6. The bottom-mounted valve stem and the convex step of the valve stem head prevent the valve stem from spraying out. If the valve stem seal is damaged due to fire, the convex step and the valve body can also form metal contact to ensure the valve stem seal.



法兰电动球阀

Flange Ball Valve With Electric Actuator

YZQ941F2-GB

阀门技术参数 Technical parameters of valves

公称口径 Nominal diameter DN	DN15~DN400(mm)
公称压力 Nominal pressure	1.0, 1.6, 2.5, 4.0, 6.4, 10.0, 16.0, 25.0
适用介质 Applicable media	水、石油、硝酸类、粘性流体、浆料、强氧化性介质等 Water, petroleum, nitric acid, acetic acid, viscous fluid, slurry, strong oxidizing medium, etc
介质温度 Medium temperature	-40°C~280°C
泄漏量 Leakage	0°C符合ANSI B16.104 5级标 0°C meets the ANSI B16.104 grade 5 standard
球体转角 Ball angle	90°C
阀体材质 Body material	A105, F304, F316, WCB, FZG1Cr18Ni9Ti, ZG1Cr18Ni12Mo2Ti, 304, 304M, CF3M
阀座材料 Seat material	聚四氟乙烯(常温)、特制PPL(高温)、金属密封(高温) PTFE (normal temperature), special ppl (high temperature), metal seal (high temperature)

尺寸 Dimensions

单位 Unit:mm

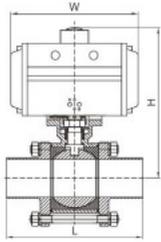
公称直径 Nominal diameter	DN	D	D2	D1	L (短型) Short form	L (长型) Short form	C-f	n-Φd	H	L1	L2	L3	执行机构选配(常温常压) Actuator selection (normal temperature and pressure)	
1/2"	15	94.5	65	45	130.5	130	15-2	4-14	176	161	141/159	71/83	GMT-005/GMTQT-010	AT050D/AT063S
3/4"	20	105	75	52	137.5	150	16.5-2	4-14	180	161	14/159	71/83	GMT-005/GMTQT-010	AT050D/AT063S
1"	25	115	8	63	150	160	16.5-2	4-14	182	161	159/211	83/95	GMT-005/GMTQT-010	AT063D/AT075S
1-1/4"	32	140	100	75	161	180	18-2	4-18	188	161	211/248	95/107	GMT-010/GMTQT-010	AT063D/AT075S
1-1/2"	40	150	110	84	178	201	16.5-2.5	4-18	198	161	248/269	107/123	GMT-010/GMTQT-010	AT075D/AT088S
2"	50	159	125	98	203	228.5	20-2.5	4-18	203	161	248/269	107/123	GMT-016/GMTQT-010	AT088D/AT100S
2-1/2"	65	185	145	114	222	291	20-2.5	8-18	222	188	123/152	123/152	GMT-016/GMTQT-010	AT088D/AT115S
3"	80	200	160	131	250	308.5	19.5-2.5	8-18	237	188	123/152	123/152	GMT-020/GMTQT-010	AT100D/AT125S
4"	100	219.5	180	150	280	348.5	19.5-2.5	8-18	268	268	152/172	152/172	GMT-040/GMTQT-010	AT125D/AT145S



气动球阀

Ball Valve With Pneumatic Actuator

YZQ661

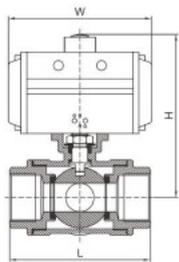


气动三片式焊接管球阀 Welded 3PC Ball Valve With Pneumatic Actuator (1000WOG)

DN	15	20	25	32	40	50	65	80	100	
L	101	106	118	125	150	174	201	212	266	
H	HVD	129	132.5	141.5	162	192	202	231	311	
	HVS	145	148.5	174.5	179	207	227	283	350	
W	HVD	140.5	140.5	140.5	140.5	210.5	210.5	247.5	268.5	345
	HVS	158.5	158.5	210.5	210.5	247.5	268.5	345	408.5	437.5

可选件: 气动执行器(单/双作用)、电磁换向阀、气源三联件、
阀位回信器、手动装置、阀位定位器、防爆型
Options : pneumatic actuator (single / double acting),
electromagnetic irectional valve, air source triplet, valve
position return device, manual device, valve position
positioner, explosion-proof type

YZQ615

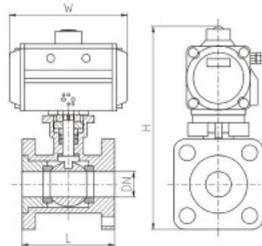


气动螺纹三通球阀 3Way Thread Ball Valve With Pneumatic Actuator (1000WOG)

DN	15	20	25	32	40	50	65	
L	73	80	88	125	136	158	200	
H	HVD	126	129	151	161	191	240	
	HVS	141	145	168	178	204	223	280
W	HVD	140.5	140.5	158.5	158.5	210.5	210.5	268.5
	HVS	158.5	158.5	210.5	210.5	247.5	268.5	345

可选件: 气动执行器(单/双作用)、电磁换向阀、气源三联件、
阀位回信器、手动装置、阀位定位器、防爆型
Options : pneumatic actuator (single / double acting),
electromagnetic irectional valve, air source triplet, valve
position return device, manual device, valve position
positioner, explosion-proof type

YZQ641



气动法兰球阀 Flange Ball Valve With Pneumatic Actuator (PN16)

DN	15	20	25	32	40	50	65	80	100	125	150	200		
L	130	140	150	165	180	200	220	250	280	320	360	400		
H	HVD	137	142	169	176	198	220	251	289	347	409	472.5/601.5		
	HVS	153	158	186	206	211	232	279	321	366	453.5/550.5	633		
W	HVD	140.5	140.5	158.5	158.5	210.5	210.5	247.5	268.5	315	408.5	437.5	487	633
	HVS	158.5	158.5	210.5	210.5	247.5	247.5	268.5	315	408.5	437.5	487	633	728

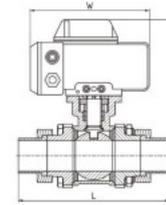
可选件: 气动执行器(单/双作用)、电磁换向阀、气源三联件、
阀位回信器、手动装置、阀位定位器、防爆型
Options : pneumatic actuator (single / double acting),
electromagnetic irectional valve, air source triplet, valve
position return device, manual device, valve position
positioner, explosion-proof type



电动球阀

Ball Valve With Electric Actuator

YZQ961

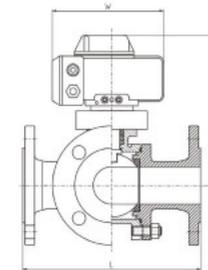


电动三片式焊接管球阀 (精小型) 3PC Ball Valve With Union With Electric Actuator (1000WOG)

DN	15	20	25	32	40	50	65	80	100	
L	101	106	118	125	150	174	201	212	266	
H	HVD	129	132.5	141.5	162	192	202	231	311	
	HVS	145	148.5	174.5	179	207	227	283	350	
W	HVD	140.5	140.5	140.5	140.5	210.5	210.5	247.5	268.5	345
	HVS	158.5	158.5	210.5	210.5	247.5	268.5	345	408.5	437.5

可选件: 电压24V DC、220V AC、380V AC; 无源开关型、
智能调节型
Options : voltage 24 V DC, 220 V AC, 380 V AC; passive switch
type, intelligent regulation type

YZQ945

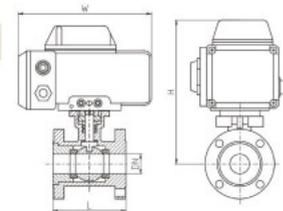


电动法兰三通球阀 (精小型) 3Way Flange Ball Valve With Electric Actuator (1000WOG)

DN	15	20	25	32	40	50	65	
L	73	80	88	125	136	158	200	
H	HVD	126	129	151	161	191	240	
	HVS	141	145	168	178	204	223	280
W	HVD	140.5	140.5	158.5	158.5	210.5	210.5	268.5
	HVS	158.5	158.5	210.5	210.5	247.5	268.5	345

可选件: 电压24V DC、220V AC、380V AC; 无源开关型、
智能调节型
Options : voltage 24 V DC, 220 V AC, 380 V AC; passive switch
type, intelligent regulation type

YZQ971



电动对夹球阀 (精小型) Wafer Ball Valve With Electric Actuator (PN16)

DN	15	20	25	32	40	50	65	80	100	125	150			
L	42	44	50	60	65	80	110	120	150	180	225			
H	HVD	137	142	169	176	198	220	251	289	347	409	472.5/601.5		
	HVS	153	158	186	206	211	232	279	321	366	453.5/550.5	633		
W	HVD	140.5	140.5	158.5	158.5	210.5	210.5	247.5	268.5	315	408.5	437.5	487	633
	HVS	158.5	158.5	210.5	210.5	247.5	247.5	268.5	315	408.5	437.5	487	633	728

可选件: 电压24V DC、220V AC、380V AC; 无源开关型、
智能调节型
Options : voltage 24 V DC, 220 V AC, 380 V AC; passive switch
type, intelligent regulation type



YZQ41F2-GB

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 NACE01-75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, 增设倒密封结构, 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。

Structural features and uses

1. Resistance to vulcanization stress cracking: The materials of the valve contacting medium are according to the NACE 01-75 standard of the Engineers Association, the surface is nickel-plated. It can meet the requirements of the vulcanization environment.
2. Using polymer or metal for sealing material, it has excellent performance in high temperature and high pressure conditions.
3. Set a stuffing box to prevent the valve stem from flying out due to abnormal pressure in the inner cavity of the valve. An inverted sealing structure is added to ensure reliable sealing of the packing.
4. Widely used in chemical, oil refining, oil and gas, natural gas, steel and other media pipelines.

执行标准

1. 设计和制造: GB/T12237-1989, AP1608
2. 检验和试验: GB/T13327-1992, AP1598
3. 法兰连接: JB/T79.1~1994/ASME/SNSIB16.5
4. 结构长度: GB/T12221-1983; GB/T15188.1-1994; ASME/ANSIB16.10

Executive Standards

1. Design and manufacture: GB/T12237-1989S AP16082
2. Inspection and test: GB/T13927-1992, AP1598
3. Flange connection: JB/T79.1~1994/ASME/SNSIB16.5
4. Structural length: GB/T12221-1989; GB/T15188.1-1994; ASME/ANSIB16.10

主要材质

WCB, A105, 304, 304L, 316, 316L, 2205, 2507 (双相钢)
321, 310S, C4, 2520, 371L, 904L, Ti(钛合金)

Main materials

WCB, A105, 304, 304L, 316, 316L, 2205, 2507 (双相钢)
321, 310S, C4, 2520, 371L, 904L, Ti(钛合金)

驱动方式: 手动、电动、气动、液动

Driving mode: manual, electric, pneumatic, and hydraulic

使用范围 Scope of application

壳体材料 Shell material	阀座材料 Seat material	适用温度 Applicable temperature	适用介质 Applicable media
碳钢C型 WCB C type	PTFE	≤150°C	碳钢C型 WCB C type
	不锈钢 stainless steel	≤425°C	
铬镍钛钢P型 1Cr18NiTi	PTFE	≤150°C	铬镍钛钢P型 1Cr18NiTi
	不锈钢 stainless steel	≤200°C	
铬镍钼钛钢R型 CrNiMoTi	PTFE	≤150°C	铬镍钼钛钢R型 CrNiMoTi
	不锈钢 stainless steel	≤200°C	
铬镍钼钢型 CrNiV	硬质合金 hard metal	≤550°C	铬镍钼钢型 CrNiV


锻钢球阀
Forged Steel Ball Valve | YZQ41F2-GB

试验压力 Test pressure

单位 Unit: MPa

公称压力 Nominal pressure PN	常温最大工作压力 Maximum working pressure at normal temperature	壳体试验压力 Shell test pressure	气密封试验压力 Test pressure of airtight seal	高压密封试验压力 High pressure seal 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
Class150	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
Class 900	15.0	22.5	0.6	16.5
Class 1500	25.0	37.5	0.6	27.5

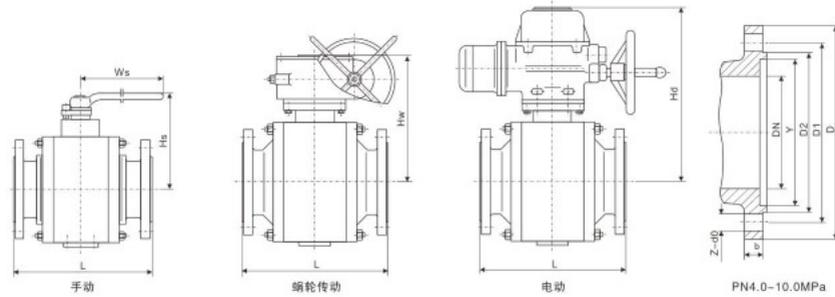
主要零件材料 Material of main parts

零件名称	材料	材料	材料	材料	材料
阀体、阀盖 Body, Bonnet	GB	25	0Cr18Ni9Ti	1Cr18Ni12Mo2i	15CrMo1v
	ASTM	A105	304	316	F22a
球体 Ball	GB	2Gr13/表面特殊处理 Special surface treatment	1Gr18Ni9Ti/表面特殊处理 Special surface treatment	0Gr18Ni12MoTi/表面特殊处理 Special surface treatment	25Cr2Mo1v/表面特殊处理 Special surface treatment
	ASTM	420	304+HF	420	F22a+HF
阀杆、固定轴 Stem, Fixed shaft	GB	2Cr13	1Cr18Ni9Ti	2Cr13	25CrMo1v
	ASTM	420	304	420	F22a
阀座 Seat	GB	PTFE 2cR13	PTFE 1Cr18Ni9Ti	PTFE 2cR13	25Cr2Mo1v
	ASTM	PTFE 420	PTFE 304	PTFE 420	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	PTFE 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	PTFE 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



YZQ41F2-GB 锻钢球阀(1.6/2.5MPa)

Forged Steel Ball Valve



主要尺寸 Dimensions

公称压力 Nominal pressure PN	公称直径 Nominal diameter DN	尺寸 Dimensions(mm)										
		L	D	D1	D2	Y	d	Z-do	Ws	Hs	Hw	Hd
1.6MPa	40	165	145	110	85	-	16	4-18	230	135	-	-
	50	203	160	125	100	-	16	4-18	260	150	-	-
	65	222	180	145	120	-	18	4-18	350	180	-	-
	80	241	195	160	135	-	20	8-18	500	195	-	-
	100	305	215	180	155	-	20	8-18	650	245	310	420
	125	356	245	210	185	-	22	8-18	800	270	330	440
	150	394	280	240	210	-	24	8-23	1000	295	390	470
	200	457	335	295	256	-	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	705	650	608	-	44	20-34	-	-	825	870
	600	1067	840	770	718	-	48	20-41	-	-	920	960
	700	1245	910	840	788	-	50	24-41	-	-	1100	1195
800	1372	1020	950	898	-	52	24-41	-	-	1150	1375	
900	1524	1120	1050	998	-	54	28-41	-	-	1247	1480	
1000	1753	1255	1170	1110	-	56	28-48	-	-	1374	1550	
2.5MPa	40	190	145	110	85	-	18	4-18	230	135	-	-
	50	216	160	125	100	-	20	4-18	260	150	-	-
	65	241	180	145	120	-	22	8-18	350	180	-	-
	80	283	195	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	33	440
	150	403	300	250	218	-	30	8-25	1000	295	390	470
	200	502	360	310	278	-	34	13-25	-	-	440	510
	250	568	425	370	332	-	36	12-30	-	-	490	560
	300	648	485	430	390	-	40	16-30	-	-	530	600
	350	762	550	490	448	-	44	16-34	-	-	620	670
	400	838	610	550	505	-	48	16-34	-	-	675	720
	450	914	660	600	555	-	50	20-34	-	-	740	790
	500	991	730	660	610	-	52	20-41	-	-	825	870
	600	1143	840	770	718	-	56	20-41	-	-	920	960
	700	1346	955	875	815	-	60	24-48	-	-	1100	1195
800	1524	1070	990	930	-	64	24-48	-	-	1150	1375	
900	1727	1180	1090	1025	-	66	28-54	-	-	1247	1480	
1000	1880	1305	1210	1140	-	68	28-58	-	-	1374	1550	



锻钢球阀(4.0/6.4/10MPa) YZQ41F2-GB

Forged Steel Ball Valve

主要尺寸 Dimensions

公称压力 Nominal pressure PN	公称直径 Nominal diameter DN	尺寸 Dimensions(mm)										
		L	D	D1	D2	Y	b	z-do	Ws	Hs	Hw	Hd
4.0MPa	40	190	145	110	85	76	18	4-18	230	135	-	-
	50	216	160	125	100	88	20	4-18	260	150	-	-
	65	241	180	145	120	110	22	8-18	350	180	-	-
	80	283	195	160	135	121	22	8-18	500	195	-	-
	100	305	230	190	160	150	24	8-23	650	245	310	420
	125	381	270	220	188	176	28	8-25	800	270	33	440
	150	403	300	250	218	204	30	8-25	1000	295	390	470
	200	502	360	310	278	260	38	12-30	-	-	450	530
	250	568	425	370	332	313	42	12-34	-	-	505	590
	300	648	485	430	390	364	46	16-34	-	-	545	620
	350	762	550	490	448	422	52	16-34	-	-	640	690
	400	838	610	550	505	474	58	16-41	-	-	690	740
	450	914	660	600	555	524	60	20-41	-	-	760	810
	500	991	730	660	610	576	62	20-48	-	-	850	900
	600	1143	840	770	718	-	62	20-54	-	-	-	-
	700	1346	955	875	815	-	68	24-54	-	-	-	-
6.4MPa	40	241	180	145	120	76	24	4-23	260	140	-	-
	50	292	195	160	135	88	26	4-23	260	160	-	-
	65	330	210	170	140	110	28	8-23	350	180	-	-
	80	356	230	190	160	121	30	8-23	500	220	-	-
	100	406	250	210	180	150	32	8-25	650	245	310	420
	125	400	270	230	202	176	36	8-30	800	295	340	450
	150	495	300	260	240	204	38	8-34	1000	340	405	480
	200	597	360	320	290	260	44	12-34	-	-	2450	530
	250	673	400	350	320	313	48	12-41	-	-	505	590
	300	762	460	410	370	364	54	16-41	-	-	545	620
	350	826	480	430	390	422	60	16-41	-	-	640	690
	400	902	520	470	430	474	66	16-48	-	-	690	740
	450	1054	580	530	490	524	70	20-54	-	-	760	810
	500	1232	640	590	550	576	76	20-58	-	-	-	-
	600	1232	820	750	-	-	76	20-58	-	-	-	-
	10.0MPa	40	241	180	145	120	76	26	4-23	262	160	-
50		292	195	160	135	88	28	4-25	350	180	-	-
65		330	210	170	148	110	32	8-25	500	200	-	-
80		356	230	190	168	121	34	8-25	800	240	310	410
100		432	270	230	210	150	38	8-30	1000	270	340	450
125		508	300	260	210	176	42	8-34	1200	320	360	505



YZQ41F2-ANSI 美标锻钢球阀(150/300Lb)
ANSI Forged Steel Ball Valve

主要尺寸 Dimensions

公称压力 Nominal pressure PN	公称直径 Nominal diameter DN	尺寸 Dimensions(mm)											
		L	D	K	D	Y	b	z-do	Ws	Hs	Hw	Hd	
Class150	2"	178	152	120.5	92	-	16	4-19	260	150	-	-	
	2 1/2"	190	178	139.5	105	-	18	4-19	350	180	-	-	
	3"	203	190	152.5	127	-	19	4-19	500	195	310	420	
	4"	229	229	190.5	157	-	24	8-19	650	245	330	440	
	5"	356	254	216	186	-	24	8-22	800	270	390	470	
	6"	394	279	241.5	216	-	26	8-22	1000	295	440	510	
	8"	457	343	298.5	270	-	29	8-22	-	-	490	560	
	10"	533	406	362	324	-	531	2-25	-	-	530	600	
	12"	610	483	432	381	-	32	12-25	-	-	620	670	
	14"	686	533	476	413	-	35	12-29	-	-	675	720	
	16"	762	597	540	470	-	37	16-29	-	-	740	790	
	18"	864	635	578	533	-	40	16-32	-	-	825	870	
	20"	914	698	635	584	-	43	20-32	-	-	920	960	
	24"	1067	813	749.5	692	-	48	20-35	-	-	-	-	
	28	1245	925	836.5	800	-	70	28-35	-	-	1100	1195	
	32	1372	1060	978	914	-	79	28-41	-	-	1150	1375	
	36	1524	1170	1086	1022	-	89	32-41	-	-	1247	1480	
	40	1753	1290	1200	1124	-	89	36-41	-	-	1374	1550	
	Class300	2"	216	165	127	92	-	23	8-19	260	150	-	-
		2 1/2"	241	190	149	105	-	26	8-22	350	180	-	-
3"		283	210	168.5	127	-	29	8-22	500	195	320	430	
4"		381	254	200	157	-	32	8-22	800	250	340	450	
5"		356	279	235	186	-	35	8-22	1000	280	405	480	
6"		403	318	270	216	-	37	12-22	1200	300	450	530	
8"		502	381	330	270	-	42	12-25	-	-	505	590	
10"		568	444	387.5	324	-	48	16-29	-	-	545	620	
12"		648	521	451	381	-	51	16-32	-	-	640	690	
14"		762	584	514.5	413	-	54	20-32	-	-	690	740	
16"		838	648	571.5	470	-	58	20-35	-	-	760	810	
18"		914	711	628.5	533	-	61	24-35	-	-	850	900	
20"		991	775	686	584	-	64	24-35	-	-	-	-	
28		1346	1035	940	800	-	84	28-45	-	-	1100	1195	
32		1524	1150	1054	914	-	97	28-51	-	-	1150	1375	
36		1727	1270	1168.5	1022	-	103	32-54	-	-	1247	1480	
40		1900	1240	1156	1068	-	115	32-44.5	-	-	1374	1550	



美标锻钢球阀(600/900/1500Lb) YZQ41F2-ANSI
ANSI Forged Steel Ball Valve

主要尺寸 Dimensions

公称压力 Nominal pressure PN	公称直径 Nominal diameter DN	尺寸 Dimensions(mm)											
		L	D	K	d	Y	b	z-do	Ws	Hs	Hw	Hd	
Class600	2"	292	165	127	92	83.550	26	8-19	350	180	-	-	
	2 1/2"	330	190	149	105	101.600	29	8-22	500	2000	-	-	
	3"	356	210	168	127	123.825	32	8-22	800	240	310	410	
	4"	435	273	216	157	149.225	38	8-25	1000	270	340	450	
	5"	508	330	266.5	186	180.975	45	8-29	1200	320	360	505	
	6"	559	356	292	216	211.138	48	12-29	-	-	425	555	
	8"	660	419	349	270	269.876	56	12-32	-	-	470	625	
	10"	787	508	432	324	323.851	64	16-35	-	-	525	645	
	12"	838	559	489	381	381.001	67	20-35	-	-	565	715	
	14"	889	603	527	413	419.101	70	20-38	-	-	670	770	
	16"	991	686	603	470	469.901	77	20-41	-	-	720	840	
	18"	1092	743	654	533	533.401	83	20-44	-	-	780	920	
	20"	1194	813	724	584	584.201	89	24-44	-	-	850	995	
	Class900	2"	368	216	165.1	124	-	38.5	8-26	500	180	-	-
		2 1/2"	419	244	190.5	137	-	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	51.6	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	-	-	900	1010	
Class1500		2"	368	216	165.1	124	95.25	38.5	8-26	650	200	-	-
	2 1/2"	419	244	190.5	137	107.95	41.5	8-29	800	220	-	-	
	3"	470	267	203.2	168	136.52	48.5	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	21.12	83.0	12-39	-	-	440	580	
	8"	832	483	393.7	318	269.88	92.9	12-45	-	-	550	650	

02

Flange Gate/ Globe/Check Valve Series 法兰闸/截/止系列



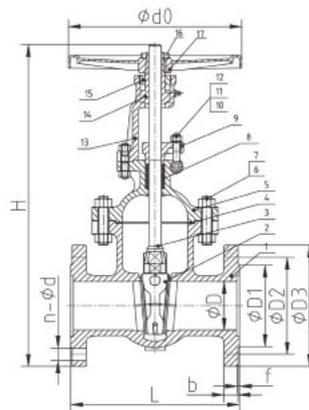
品质是企业的基石
专业是发展的动力

Quality is the cornerstone of an enterprise
Profession is the driving force for development



国标铸钢闸阀
GB Cast Steel Rising Stem Gate Valve

YZZ41H -GB



技术要求 Technical requirement

设计制造标准: GB/T 12234
结构长度标准: JB/T 7746
连接法兰标准: JB/T 79
压力温度等级: GB/T 9131
试验检验标准: GB/T 13927-92

Design and manufacturing standards: GB/T 12234
Structural length standard: JB/T 7746
Connection flange standard: JB/T 79
Pressure temperature class: GB/T 9131
Test and inspection standards: GB/T 13927-92

主要材质 Main materials

WCB, A105, 304, 304L, 316, 316L, 2205, 2507(双相钢), 321, 310S, C4, 2520, 371L, 904L, Ti(钛合金)

法兰闸阀主要性能规范 Main performance and specification

公称压力 Nominal pressure (MPa)	试验压力 Test pressure(MPa)			
	强度试验 Shell test	高压密封试验 Sealing test(Water)	低压气密封试验 Sealing test(Air)	上密封 Upper seal
1.6	2.4	1.8	0.6	1.8
2.5	3.8	2.8	0.6	2.8
4.0	6.0	4.4	0.6	4.4
6.4	9.6	7.1	0.6	7.0
10.0	15.0	11.0	0.6	11.0
16.0	24.0	18.0	0.6	18.0

壳体材料 Steel material	适用介质 Suitable medium	适用温度 (°C) Suitable temperature
碳素钢 (C型) Q235	水、蒸汽、油品 water, steam, oil	$\leq 425^{\circ}\text{C}$
铬镍钛钢 (P型) 1Cr18NiTi	硝酸类 nitric acid	$\leq 200^{\circ}\text{C}$
铬镍钼钢 (R型) 40CrNiMo	醋酸类 acetic acid	$\leq 200^{\circ}\text{C}$
铬钼钢 (I型) 42CrMo	水、蒸汽、油品 water, steam, oil	$\leq 550^{\circ}\text{C}$

主要构件材料 Materials of Maime Construction

序号 No.	名称 Name	材料 Material	序号 NO.	名称 Name	材料 Material
1	阀体 Body	304 / 316	10	吊环螺栓 Hoisting bolt	304
2	阀瓣 Disc	304 / 316	11	平板 Flat	304
3	阀杆 Stem	304 / 316	12	螺母 Nut	304
4	密封垫 Gasket	PTFE	13	支架 Bracket	304 / 316
5	阀盖 Bonnet	304 / 316	14	阀杆螺母 Stem nut	304
6	双头螺栓 Stud bolt	304	15	阀盖螺母 Bonnet nut	304
7	螺栓 Bolt	304	16	锁紧螺母 Lock nut	304
8	填料 Packing	PTFE	17	手轮 Handwheel	KTH330
9	填料盖 Packing cap	304			



YZZ41H-GB 国标铸钢闸阀1.6/2.5/4.0/6.4/10.0/16.0MPa
GB Cast Steel Gate Valve

主要外形尺寸 Main Outline Dimensions

单位 Unit:mm

公称口径 DN	L	D	D1	D2	b	f	Z-Φd	H	H1	D0	WT (kg)
Z40H Z41Y -16C	Z40H Z41Y -16P	Z40H Z41Y -16R	Z40 Z41	W-16P	Z40 Z41	W-16R	Z40 Z41	Y-16I	(KZ41Y)		
40	200	145	110	85	16	3	4-18	300	352	200	18
50	250	160	125	100	16	3	4-18	358	438	240	29
65	265	180	145	120	18	3	4-18	375	450	240	33
80	280	195	160	135	20	3	8-18	433	528	280	46
100	300	215	180	155	20	3	8-18	502	620	320	63
125	325	245	210	185	22	3	8-18	612	753	360	108
150	350	280	240	210	24	3	8-23	676	847	360	134
200	400	335	295	265	26	3	12-23	820	1039	400	192
250	450	405	355	320	30	3	12-25	969	1245	450	273
300	500	460	410	375	30	3	12-25	1142	1472	560	379
350	550	520	470	435	34	4	16-25	1280	1450	640	590
400	600	580	525	485	36	4	16-30	1452	1887	640	850
450	650	640	585	545	40	4	20-30	1541	2011	720	907
500	700	705	650	608	44	4	20-34	1676	2181	720	958
600	800	840	770	718	48	5	20-41	1874	2346	800	1112
Z40H Z41Y -25C	ZG40H ZG41Y -25P	Z40 Z41	Y-25R	Z40 Z41	W-25P	Z40 Z41	W-25R	Z40 Z41	Y-25I	(KZ41Y)	
40	200	145	110	85	18	3	4-18	300	352	200	18
50	250	160	125	100	20	3	4-18	358	438	240	28
65	265	180	145	120	22	3	8-18	375	450	240	33
80	280	195	160	135	22	3	8-18	433	528	280	46
100	300	230	190	160	24	3	8-23	502	620	320	64
125	325	270	220	188	28	3	8-25	612	753	360	116
150	350	300	250	218	30	3	8-25	676	847	360	141
200	400	360	310	278	34	3	12-25	820	1039	400	213
250	450	425	370	331	36	3	12-30	969	1245	450	290
300	500	485	430	390	40	4	16-30	1142	1472	560	400
350	550	550	490	448	44	4	16-34	1280	1450	640	631
400	600	610	550	505	48	4	16-34	1452	1887	640	900
450	650	660	600	555	50	4	20-34	1541	2011	720	1013
500	700	730	660	610	52	4	20-41	1676	2181	720	1166
600	800	840	770	718	56	5	20-41	1874	2346	800	1258



国标铸钢闸阀1.6/2.5/4.0/6.4/10.0/16.0MPa
GB Cast Steel Gate Valve

YZZ41H-GB

主要外形尺寸 Main Outline Dimensions

单位 Unit:mm

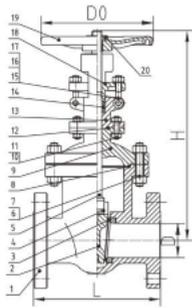
公称口径 DN	L	D	D1	D2	D6	b	f	f2	z-Φd	H	H1	D0	WT (kg)
Z40H Z41Y -40C	Z40 Z41	Y-40P	Z40 Z41	Y-40R	Z40 Z41	W-40P	Z40 Z41	W-40R	Z40 Z41	Y-40	(KZ41Y)		
40	200	145	110	85	76	18	3	4	4-18	323	369	200	16.5
50	250	160	125	100	88	20	3	4	4-18	372	440	280	29
65	265	180	145	120	110	22	3	4	8-18	395	473	280	39
80	280	195	160	135	121	22	3	4	8-18	457	552	320	52
100	300	230	190	160	150	24	3	4.5	8-23	552	671	360	80
125	325	270	220	188	176	28	3	4.5	8-25	634	726	400	127
150	350	300	250	218	204	30	3	4.5	8-25	708	883	400	154
200	400	375	320	282	260	38	3	4.5	12-30	858	1086	450	263
250	450	445	385	345	313	42	3	4.5	12-34	1015	1298	560	368
300	500	510	450	408	364	46	4	4.5	16-34	1203	1535	640	547
350	550	570	510	459	422	52	4	5	16-34	1341	1678	640	679
400	600	655	585	535	474	58	4	5	16-41	1492	1903	720	953
Z40H Z41Y -64C	Z40 Z41	Y-64P	Z40 Z41	Y-64R	Z40 Z41	W-64P	Z40 Z41	W-64R	Z40 Z41	Y-64I	(KZ41Y)		
40	240	165	125	95	76	24	3	4	4-23	360	389	240	29
50	250	175	135	105	88	26	3	4	4-23	372	448	280	34
65	280	200	160	130	110	28	3	4	8-23	395	475	280	43
80	310	210	170	140	121	30	3	4	8-23	458	553	320	60
100	350	250	200	168	150	32	3	4.5	8-25	553	679	360	89
125	400	295	240	202	176	36	3	4.5	8-30	638	779	400	140
150	450	340	280	240	204	38	3	4.5	8-34	718	893	450	207
200	550	405	345	300	260	44	3	4.5	12-34	873	1100	560	325
250	650	470	400	352	313	48	3	4.5	12-41	1053	1323	640	467
300	750	530	460	412	364	54	4	4.5	16-41	1203	1535	640	590
Z40H Z41Y -100C	Z40 Z41	Y-100P	Z40 Z41	Y-100R	Z40 Z41	W-100P	Z40 Z41	W-100R	Z40 Z41	Y-100I	(KZ41Y)		
40	240	165	125	95	75	26	3	4	4-23	360	389	280	51
50	250	195	145	112	85	28	3	4	4-25	490	558	360	60
65	280	220	170	138	110	32	3	4	8-25	540	622	400	70
80	310	230	180	148	115	34	3	4	8-25	573	671	400	89
100	350	265	210	172	145	38	3	4.5	8-30	575	671	400	130
125	400	310	250	210	175	42	3	4.5	8-34	744	892	560	223
150	450	350	290	250	205	46	3	4.5	12-34	800	972	560	295
200	550	430	360	312	265	54	3	4.5	12-41	800	972	560	559
250	650	500	430	382	320	60	3	4.5	12-41	1050	1305	640	640
300	750	585	500	442	/	70	4	4.5	16-48	1208	1506	640	730
Z40H Z41Y -160C	Z40 Z41	Y-160P	Z40 Z41	Y-160R	Z40 Z41	W-160P	Z40 Z41	W-160R	Z40 Z41	Y-160I	(KZ41Y)		
40	260	275	125	92	76	32	3	4	4-23	350	395	320	32
50	300	215	165	132	95	36	3	4	4-25	512	612	360	73
65	340	245	190	152	110	44	3	4	8-25	560	677	360	110
80	390	260	205	168	130	46	3	4	8-30	585	686	400	141
100	450	300	240	200	160	48	3	4.5	8-34	631	751	450	185
125	525	355	285	238	190	60	3	4.5	8-41	723	868	560	320
150	600	390	318	270	205	66	3	4.5	12-41	820	997	640	462
200	750	480	400	345	260	78	4	4.5	12-48	990	1224	720	700



YZZ45H-GB

国标铸钢暗杆闸阀

GB Cast Steel Non Rising Stem Gate Valve



技术要求 Technical requirement

1. 设计标准按GB12232之规定
2. 法兰连接尺寸按GB/T17241.6之规定
3. 压力试验按JB/T9092之规定
4. 结构长度按GB/T12221之规定
5. 试验结束，清除水份，封堵两端防尘

- 1.The design standard is in accordance with the provisions of GB12232
- 2.Flange connection dimensions are in accordance with GB/T17241.6
- 3.The pressure test is in accordance with the provisions of JB/T9092
- 4.Structure length according to GB/T12221
- 5.At the end of the test, remove water and block dust at both ends.

外形尺寸 Outline size

SIZE	D	L	H	D0
1/2"	15	130	135	120
3/4"	20	150	190	140
1"	25	160	205	160
1-1/4"	32	180	270	180
1-1/2"	40	240	310	200
2"	50	250	371	280
2-1/2"	65	290	391	280
3"	80	310	455	320
4"	100	350	551	360
5"	125	400	628	400
6"	150	450	708	400
8"	200	550	885	460

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	WCB, WC1, CW6, WC9, C5, 304, 304M, 304C, CF3, CF3M
2	阀瓣 Disc	WCB, WC1, CW6, WC9, C5, 304, 304M, 304C, CF3, CF3M
3	阀座 Seat	A105, 304, 1Cr5Mo, 12Cr2MoV
4	阀杆螺母 Stem nut	铜合金+Copper alloy
5	螺母 Nut	45, 35CrMoA, 0Cr18Ni9, 0Cr17Ni2Mo2, 25Cr2MoV
6	双头螺栓 Stud bolt	35#, 35CrMoA, 0Cr18Ni9, 0Cr17Ni2Mo2, 25Cr2MoV
7	垫片 Gasket	柔性石墨+不锈钢 Graphite & Stainless steel
8	阀盖 Bonnet	WCB, WC1, CW6, WC9, C5, 304, 304M, 304C, CF3, CF3M
9	阀杆 Stem	1Cr13, 2Cr13, 1Cr18Ni9, 0Cr17Ni2Mo2, 20Cr1MoV, 25Cr2MoV
10	螺母 Nut	45, 35CrMoA, 0Cr18Ni9, 0Cr17Ni2Mo2, 25Cr2MoV

序号 No.	名称 Name	材料 Material
11	螺栓 Bolt	35#, 35CrMoA, 0Cr18Ni9, 0Cr17Ni2Mo2, 25Cr2MoV
12	垫片 Gasket	柔性石墨+不锈钢 Graphite & Stainless steel
13	支架 Bracket	WCB, WC1, CW6, WC9, C5, 304, 304M, 304C, CF3, CF3M
14	填料 Packing	柔性石墨 Graphite
15	圆柱销 Cylindrical pin	35#, 45#, 35CrMoA, 40Cr
16	活节螺栓 Live bolt	35#, 35CrMoA, 0Cr18Ni9, 0Cr17Ni2Mo2, 25Cr2MoV
17	填料压盖 Packing gland	WCB, WC1, CW6, WC9, C5, 304, 304M, 304C, CF3, CF3M
18	螺母 Nut	45, 35CrMoA, 0Cr18Ni9, 0Cr17Ni2Mo2, 25Cr2MoV
19	手轮 Handwheel	KTH330, QT400-17
20	锁紧螺母 Lock nut	碳钢 Carbon steel



国标铸钢暗杆闸阀PN10/PN16

GB Cast Steel Non Rising Stem Gate Valve

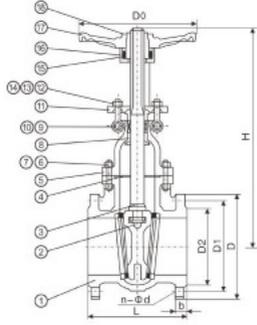
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性能规范 Function and specification

型号 Model	公称压力 Nominal pressure (MPa)	试验压力 Test pressure (MPa)		适用温度 Applicable temperature (°C)	适用介质 Applicable media
		强度 (水) Strength (water)	密封 (水) Seal (water)		
A+Z45T-10	1	1.5	1	≤100°C	水 Water
A+Z45W-10	1	1.5	1	≤100°C	油品 Oil
A+Z45T-16	1.6	2.4	1.76	≤100°C	水 Water
A+Z45W-16	1.6	2.4	1.76	≤100°C	油品 Oil

性能规范 Function and specification

型号 Model	公称口径 Nominal diameter DN	尺寸 Size							
		L	D	D1	D2	b-f	z-φd	(H)	D0
A+Z45T/W-10	mm								
	40	165	145	110	85	18-3	4-18	232	160
	50	178	160	125	100	20-3	4-18	250	180
	65	190	180	145	120	20-3	4-18	277	180
	80	203	195	160	135	22-3	4-18	305	200
	100	229	215	180	155	22-3	8-18	355	200
	125	254	245	210	185	24-3	8-18	396	240
	150	267	280	240	210	24-3	8-23	455	240
	200	292	335	295	265	26-3	8-23	560	320
	250	330	390	350	320	28-3	12-23	640	320
A+Z45T/W-16	40	165	125	110	85	18-3	4-18	328	160
	50	178	160	125	100	20-3	4-18	250	180
	65	190	180	145	120	20-3	4-18	277	180
	80	203	195	160	135	22-3	8-18	305	200
	100		215	180	155	22-3	8-18	355	200
	125	254	245	210	185	24-3	8-18	395	240
	150	267	280	240	210	24-3	8-23	455	240
	200	292	335	295	265	26-3	12-23	560	320
	250	330	405	355	355	28-3	12-25	640	320
	300	356	460	410	410	28-4	12-25	788	400



特点 Features

1/2"~12"(DN15-DN300)
工作压力: CLASS 150/300
工作温度: 425°C
升杆式/明杆

1/2"~12" (DN15-DN300)
W.P.: CLASS 150/300
W.T.: 425°C
Rising stem

设计标准: ASME B16.34,API600,API603
法兰标准: ASME B16.5
结构长度: ASME B16.10
检验 &测试:
API600/API603/ASME 16.34

Design: ASME B16.34,API600,API603
Flange dimension: ASME B16.5
Face to face: ASME B16.10
Inspection & testing:
API600/API603/ASME 16.34

尺寸 Dimensions CLASS 150

Unit:mm

磅级 Class	公称直径 Nominal diameter	L	d	D2	D1	D	b	f	n-φd	H	W	
CLASS 150	15	1/2"	108	15	35	60.3	90	8	2	4-16	178	120
	20	3/4"	117	20	43	70	100	8.9	2	4-16	194	120
	25	1"	127	25	51	79.4	110	9.6	2	4-16	223	140
	32	1-1/4"	140	32	63.5	88.9	115	11.2	2	4-16	266	160
	40	1-1/2"	165	40	73	98.4	125	12.7	2	4-16	295	160
	50	2"	178	50	92	120.7	150	14.3	2	4-19	336	200
	65	2-1/2"	190	65	105	139.7	180	15.9	2	4-19	385	200
	80	3"	203	80	127	152.4	190	17.5	2	4-19	433	250
	100	4"	229	100	157	190.5	230	22.3	2	8-19	506	300
	125	5"	254	125	185	216	255	22.3	2	8-22	612	300
	150	6"	267	150	216	241.3	280	23.9	2	8-22	686	350
	200	8"	292	200	270	298.5	345	27	2	8-22	825	350
250	10"	330	250	324	362	405	28.6	2	12-25	972	400	
300	12	356	300	381	431.8	485	30.2	2	12-25	1147	450	



YZZ41H-ANSI 美标法兰闸阀 150lb
ANSI Flange Gate Valve

材料表 Material List

序号 No.	零件 Parts	材料 Material		
1	阀体 Body	WCB+13Cr	304	316
2	阀瓣 Disc	WCB+13Cr	304	316
3	阀杆 Stem	20Cr13	304	316
4	垫片 Gasket	PTFE / 304+GRAPHITE		
5	阀盖 Bonnet	WCB	304	316
6	螺栓 Bolt	35CrMo	304	304
7	螺母 Nut	45	304	304
8	填料 Packing	PTFE / FLEXIBLE GRAPHITE		
9	销轴 Pin shaft	35	304	304
10	开口销 Cotter pin	Q235A	304	304
11	填料盖 Packing cap	WCB	304	304
12	螺帽 Nut	35CrMo	304	304
13	平板 Flat pad	65Mn	304	304
14	螺母 Nut	45	304	304
15	阀杆螺母 Stem nut	BRONZE		
16	阀盖螺母 Bonnet nut	45	304	304
17	手轮 Handwheel	FCD / WCB		
18	手轮螺母 Handwheel nut	45	304	304



美标法兰闸阀 300/600/900lb
ANSI Flange Gate Valve

YZZ41H-ANSI

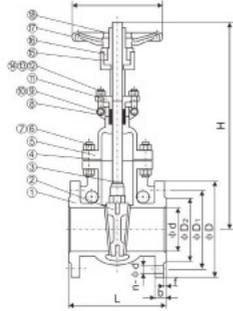
主要外形尺寸及重量 Main Size Of Outsize & Weight (CLASS 300 & Class600 & Class900)

单位Unit:mm

磅级 Class	口径 Size		尺寸 Dimensions(mm)							WT(Kg)		
	NPS	DN	L			d	H	H1	W	W1	手轮 Hand wheel	传动装置 Gear box
CLASS 300	1/2	15	140	151	140	13	198	-	1200	-	6	-
	3/4	20	152	165	152	19	215	-	140	-	7	-
	1	25	165	178	165	25	245	-	160	-	10	-
	1 1/4	32	178	191	178	32	306	-	180	-	15	-
	1 1/2	40	190	203	190	38	400	-	200	-	21	-
	2	50	216	232	216	51	420	-	200	-	25	-
	2 1/2	65	241	257	241	64	446	-	200	-	30	-
	3	80	283	298	283	76	537	-	250	-	48	-
	4	100	305	321	305	102	619	650	280	310	73	100
	5	125	381	397	381	127	722	750	300	310	99	126
	6	150	403	419	403	152	806	835	350	310	130	186
	8	200	419	435	419	203	1000	1030	400	310	208	235
	10	250	457	473	457	254	1240	1280	450	310	334	386
	12	300	502	518	502	305	1425	1460	500	310	450	502
	14	350	762	778	762	337	1585	1620	600	460	704	756
	16	400	838	854	838	387	1790	1830	500	460	923	965
	18	450	914	930	914	438	1960	2000	650	460	1131	1224
	20	500	991	1010	991	479	2158	2220	750	460	1345	1400
24	600	1143	1165	1143	589	2576	2620	900	600	2122	2385	
26	650	1245	1245	1245	635	-	2850	-	600	-	3000	
28	700	1346	1346	1346	686	-	3080	-	600	-	3300	
30	750	1397	1397	1397	737	-	3180	-	600	-	3550	
32	800	1524	1524	1524	779	-	3300	-	600	-	4400	
34	850	1626	1626	1626	830	-	3550	-	600	-	5200	
36	900	1727	1727	1727	874	-	3760	-	600	-	6050	
2	50	292	292	292	51	444	-	200	-	32	-	
2 1/2	65	330	330	330	64	500	-	250	-	52	-	
3	80	356	356	356	76	558	585	280	310	60	87	
4	100	432	432	432	102	665	695	300	310	107	134	
5	125	508	508	508	127	760	790	350	310	175	227	
6	150	559	559	559	152	868	900	450	310	216	268	
8	200	660	660	660	200	1073	1110	500	310	399	451	
10	250	787	787	787	248	1263	1300	650	460	605	657	
12	300	838	838	838	298	1600	1650	700	460	851	893	
14	350	889	889	889	327	1705	1750	900	460	1177	1232	
16	400	991	991	991	375	1835	1900	900	460	1513	1568	
18	450	1092	1092	1092	419	-	2020	-	600	-	1980	
20	500	1194	1194	1194	464	-	2172	-	600	-	2460	
24	600	1397	1397	1397	559	-	2650	-	600	-	3650	
2	50	368	368	368	47	500	-	280	-	70	-	
2 1/2	65	419	419	419	57	550	-	280	-	110	-	
3	80	381	381	381	73	610	660	300	310	140	167	
4	100	457	457	457	98	702	750	350	310	200	227	
5	125	559	559	559	121	850	900	400	310	258	285	
6	150	610	610	610	146	980	1060	500	460	358	410	
8	200	737	737	737	190	1100	1140	650	460	550	600	
10	250	838	838	838	234	1320	1370	700	460	1000	1100	
12	300	965	965	965	282	1500	1560	900	460	1215	1310	
14	350	1029	1029	1029	311	1900	1950	900	600	1600	1700	
16	400	1130	1130	1130	354	2050	2100	900	600	2150	2330	



YZZ41H-JIS 日标法兰闸阀10/20K
JIS Flange Gate Valve



特点 Features

1/2"~12" (DN15~DN300)
工作压力: CLASS 150/300
工作温度: 425°C
升杆式/明杆

1/2"~12" (DN15~DN300)
W.P.: CLASS 150/300
W.T.: 425°C
Rising stem

设计标准: JIS B2071
法兰标准: JIS 2220
结构长度: JIS B2002
检验 & 测试: JIS B2071

Design: JIS B2071
Flange dimension: JIS 2220
Face to face: JIS B2002
Inspection & testing: JIS B2071

尺寸 Dimensions 10K

公称直径 Nominal diameter	L	d	D2	D1	D	b	f	n-Φd1	H	W	
15	1/2"	108	15	51	70	95	12	1	4-15	178	120
20	3/4"	117	20	56	75	100	14	1	4-15	194	120
25	1"	127	25	57	90	125	14	1	4-19	223	140
32	1-1/4"	140	32	76	100	135	16	2	4-19	266	160
40	1-1/2"	165	40	81	105	140	16	2	4-19	295	160
50	2"	178	50	96	120	155	16	2	4-19	336	200
65	2-1/2"	190	65	116	140	175	18	2	4-19	385	200
80	3"	203	80	126	150	185	18	2	8-19	433	250
100	4"	229	100	151	175	210	18	2	8-19	506	300
125	5"	254	125	182	210	250	20	2	8-23	612	300
150	6"	267	150	212	240	280	22	2	8-23	686	350
200	8"	292	200	262	290	330	22	2	12-23	825	350
250	10"	330	250	324	355	400	24	2	12-25	972	400
300	12"	356	300	368	400	445	24	3	16-25	1147	450

尺寸 Dimensions 20K

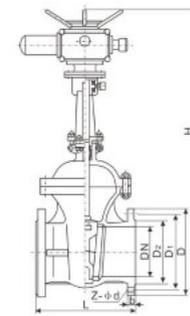
公称直径 Nominal diameter	L	d	D2	D1	D	b	f	n-Φd1	H	W	
15	1/2"	140	15	51	70	95	14	1	4-15	182	120
20	3/4"	152	20	56	75	100	16	1	4-15	197	140
25	1"	165	25	67	90	125	16	1	4-19	229	160
32	1-1/4"	178	32	76	100	135	18	2	4-19	271	160
40	1-1/2"	190	40	81	105	140	18	2	4-19	299	200
50	2"	216	50	96	120	155	18	2	8-19	343	200
65	2-1/2"	241	65	116	140	175	20	2	8-19	392	250
80	3"	282	80	132	160	200	22	2	8-23	443	300
100	4"	305	100	160	185	225	24	2	8-23	515	300
125	5"	381	125	195	225	270	26	2	8-25	624	350
150	6"	403	150	230	260	305	28	2	12-25	695	350
200	8"	419	200	275	305	350	30	2	12-25	842	400
250	10"	457	250	345	380	430	34	2	12-27	989	450
300	12"	502	300	395	430	480	36	3	16-27	1158	500

材料表 Material List

序号 No.	零件 Parts	材料 Material
1	阀体 Body	SCPH2+13Cr SCS13 SCS14
2	阀瓣 Disc	SCPH2+13Cr SCS13 SCS14
3	阀杆 Stem	20Cr13 304 316
4	垫片 Gasket	PTFE / 304+GRAPHITE
5	阀盖 Bonnet	SCPH2 SCS13 SCS14
6	螺栓 Bolt	35CrMo 304 304
7	螺母 Nut	45 304 304
8	填料 Packing	PTFE / FLEXIBLE GRAPHITE
9	连接螺栓 Bolt	35 304 304
10	开口销 Cotter pin	Q235A 304 304
11	填料盖 Gland	SCPH2 SCS13 SCS13
12	螺栓 Bolt	35CrMo 304 304
13	平板 Flat pad	65Mn 304 304
14	螺母 Nut	45 304 304
15	阀杆螺母 Stem nut	BRONZE
16	阀盖螺母 Bonnet nut	45 304 304
17	手轮 Handwheel	FCD / SCSPH2
18	螺母 Nut	45 304 304



法兰电动闸阀
Flange Electric Gate Valve YZZ91H-GB



技术要求 Technical requirement

1. 设计标准按GB12232之规定
2. 法兰连接尺寸按GB/T17241.6之规定
3. 压力试验按JB/T9092之规定
4. 结构长度按GB/T12221之规定
5. 试验结束, 清除水份, 封堵两端防尘

1. The design standard is in accordance with the provisions of GB12232
2. Flange connection dimensions are in accordance with GB/T17241.6
3. The pressure test is in accordance with the provisions of JB/T9092
4. Structure length according to GB/T12221
5. At the end of the test, remove water and block dust at both ends.

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	WCB, WC1, CW6, WC9, C5, 304, 304M, 304C, CF3, CF3M
2	阀瓣 Disc	WCB, WC1, CW6, WC9, C5, 304, 304M, 304C, CF3, CF3M
3	阀座 Seat	A105, 304, 1Cr5Mo, 12Cr2MoV
4	阀杆螺母 Stem nut	Copper alloy
5	螺母 Nut	45, 35CrMoA, 0Cr18Ni9, 0Cr17Ni2Mo2, 25Cr2MoV
6	双头螺栓 Stud bolt	35#, 35CrMoA, 0Cr18Ni9, 0Cr17Ni2Mo2, 25Cr2MoV
7	垫片 Gasket	柔性石墨+不锈钢 Graphite & Stainless steel
8	阀盖 Bonnet	WCB, WC1, CW6, WC9, C5, 304, 304M, 304C, CF3, CF3M
9	阀杆 Stem	1Cr13, 2Cr13, 1Cr18Ni9, 0Cr17Ni2Mo2, 20Cr1MoV, 25Cr2MoV
10	螺母 Nut	45, 35CrMoA, 0Cr18Ni9, 0Cr17Ni2Mo2, 25Cr2MoV

序号 No.	名称 Name	材料 Material
11	螺栓 Bolt	35#, 35CrMoA, 0Cr18Ni9, 0Cr17Ni2Mo2, 25Cr2MoV
12	垫片 Gasket	柔性石墨+不锈钢 Graphite & Stainless steel
13	支架 Bracket	WCB, WC1, CW6, WC9, C5, 304, 304M, 304C, CF3, CF3M
14	填料 Packing	柔性石墨 Graphite
15	圆柱销 Cylindrical pin	35#, 45#, 35CrMoA, 40Cr
16	活节螺栓 Live bolt	35#, 35CrMoA, 0Cr18Ni9, 0Cr17Ni2Mo2, 25Cr2MoV
17	填料压盖 Packing gland	WCB, WC1, CW6, WC9, C5, 304, 304M, 304C, CF3, CF3M
18	螺母 Nut	45, 35CrMoA, 0Cr18Ni9, 0Cr17Ni2Mo2, 25Cr2MoV
19	手轮 Handwheel	KTH330, QT400-17
20	锁紧螺母 Lock nut	碳钢 Carbon steel

尺寸 Dimensions

公称直径 Nominal diameter	D	D1	D2	D3	L	B	F	n-Φd	H	D1
1-1/2"	40	85	110	145	200	18	3	4-18	670	590
2"	50	100	125	160	250	18	3	4-18	832	590
2-1/2"	65	120	145	180	265	18	3	8-18	880	590
3"	80	135	160	195	280	20	3	8-18	905	590
4"	100	155	180	215	300	20	3	8-18	1071	590
5"	125	185	210	250	325	22	3	8-18	1163	810
6"	150	210	240	285	350	22	3	8-22	1170	830
8"	200	265	295	340	400	24	3	12-22	1440	830



YZJ41H-GB 国标法兰截止阀

GB Flange Globe Valve

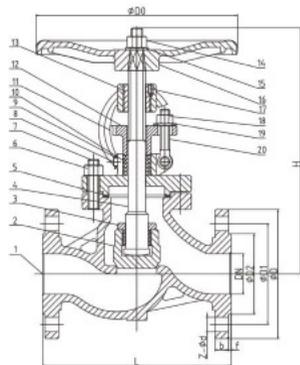
技术要求 Technical requirement

设计制造标准: GB/T 12235
 结构长度标准: GB/T 12221
 连接法兰标准: GB9113
 压力温度等级: GB/T 9113
 试验检验标准: JB/T 9092

Design and manufacturing Standards: GB/T 12235
 Structural length standard: GB/T 12221
 Connection flange standard: GB9113
 Pressure temperature class: GB/T 9113
 Test and inspection standards: JB/T 9092

主要材质 Main materials

WCB, A105, 301, 304L, 316, 316L, 2205, 2507 (双相钢), 321, 310S, C4, 2520, 371L, 904L, Ti (钛合金)



法兰截止阀主要性能规范

公称压力 Nominal pressure (MPa)	试验压力 Test pressure (MPa)			
	强度试验 Strength	密封试验(水) Sealing test(Water)	密封试验(空气) Sealing test(Air)	上密封 Upper seal
1.6	2.4	1.8	0.6	1.8
2.5	3.8	2.8	0.6	2.8
4.0	6.0	4.4	0.6	4.4
6.4	9.6	7.1	0.6	7.1
10.0	15.0	11.1	0.6	11.0
16.0	24.0	17.6	0.6	17.6

壳体材料 Steel material	适用介质 Suitable medium	适用温度 (°C) Suitable temperature
WCB	水、蒸气、油品、酸性介质 Water, steam, oil, acidic media	≤425°C
15CrMo		≤550°C
12CrMoV		≤570°C
不锈钢 Stainless steel		≤600°C

主要构件材料 Materials of Maime Construction

序号 No.	零件名称 Parts Name	铸钢材料 Cast steel
1	阀体 Body	WCB
2	阀瓣 Disc	A105+13Cr
3	阀瓣螺母 Disc nut	2Cr13
4	止堆垫圈 Thrust washer	35
5	阀杆 Stem	2Cr13
6	中法兰垫片 The flange gasket	304+石墨 Graphite
7	阀盖 Bonnet	WCB
8	填料 Packing	石墨 Graphite

序号 No.	零件名称 Parts Name	铸钢材料 Cast steel
9	销轴 Pin	25
10	填料压盖 Gland	WCB
11	活节螺栓 Live bolt	35CrMoA
12	螺母 Nut	45
13	手轮 Handwheel	KHT300-06
14	螺栓 Bolt	35CrMoA
15	螺母 Nut	45



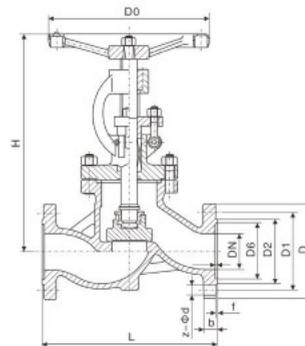
国标法兰截止阀PN16 YZJ41H-GB

GB Flange Globe Valve

16
 J41H-25C、P、R
 40

结构特点:

- 选材考究, 符合国内、外相关标准, 结构合理, 造型美观。
- 阀瓣、阀座密封面采用铁基合金堆焊或司太立(Stellite)钴硬质合金堆焊而成, 耐磨、耐高温、耐腐蚀、抗擦伤性能好, 使用寿命长。
- 阀杆经调质及表面氮化处理, 有良好的抗腐蚀性和抗擦伤性。
- 可采用各种配管法兰标准及法兰密封面型式, 满足各种工程需要及用户要求。
- 阀体材料品种齐全, 填料、垫片可根据实际工况或用户要求合理选配, 能适用于各种压力、温度及介质工况。
- 倒密封采用螺纹连接密封座或本体堆焊奥氏体不锈钢而成, 密封可靠, 更换填料可在不停机情况下运行, 方便快捷, 不影响系统运行。
- 配有DZW系列多回转式电动装置, 具有壳体小, 重量轻, 功能全, 并可与远程电脑配套使用, 也可按用户要求选配电动装置。



主要外形尺寸连接尺寸 Main external and connection dimension

公称压力 Nominal pressure	公称直径 DN(mm)	主要外形尺寸及连接尺寸 (mm)										重量 Weight (kg)
		L	D	D1	D2	D6	b-f	f2	Z-d	H	D0	
PN1.6 MPa	10	130	90	60	40	/	14-2	/	4-14	198	120	4.7
	15	130	95	65	45	/	14-2	/	4-14	218	120	5.2
	20	150	105	75	55	/	14-2	/	4-14	230	140	7.1
	25	160	115	85	65	/	14-2	/	4-14	240	160	7.4
	32	180	135	100	78	/	16-2	/	4-18	250	180	8.5
	40	200	145	110	85	/	16-3	/	4-18	262	200	12.5
	50	230	160	125	100	/	16-3	/	4-18	280	240	19.2
	65	290	180	145	120	/	18-3	/	4-18	327	280	26.5
	80	310	195	160	135	/	20-3	/	8-18	355	280	29
	100	350	215	180	155	/	20-3	/	8-18	415	320	41
	125	400	245	210	185	/	22-3	/	8-18	460	360	57
	150	480	280	240	210	/	24-3	/	8-23	510	400	86.5
	200	600	335	295	265	/	26-3	/	12-23	588	400	140
	250	650	405	355	320	/	30-3	/	12-26	725	450	220
	300	750	460	410	375	/	30-4	/	12-25	925	500	325
	350	850	520	470	435	/	34-4	/	16-25	1030	600	590
400	980	580	525	485	/	36-4	/	16-30	1170	700	750	
450	1100	640	585	545	/	40-4	/	20-30	1220	800	890	
500	1150	705	650	608	/	44-4	/	20-34	1410	900	1225	
600	1355	840	770	718	/	48-5	/	20-36	1610	1000	2200	



YZJ41H-GB 国标法兰截止阀PN25/PN40/PN64
GB Flange Globe Valve

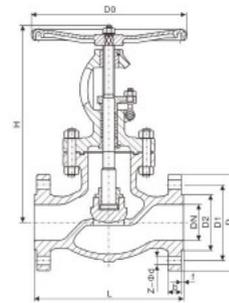


美标法兰截止阀150Lb/300Lb
ANSI Flange Globe Valve

YZJ41H-ANSI

主要外形尺寸连接尺寸 Main external and connection dimension

公称压力 Nominal pressure	公称口径 DN(mm)	主要外形尺寸及连接尺寸 (mm)										重量 Weight (kg)
		L	D	D1	D2	D6	b-f	f2	Z-d	H	D0	
PN2.5 MPa	10	130	90	60	40	/	16-2	/	4-14	198	120	4.9
	15	130	95	65	45	/	16-2	/	4-14	218	120	5.4
	20	150	105	75	55	/	16-2	/	4-14	258	140	7
	25	160	115	85	65	/	16-2	/	4-14	275	160	7.4
	32	180	135	100	78	/	18-2	/	4-18	280	180	8.5
	40	200	145	110	85	/	18-3	/	4-18	330	200	12.5
	50	230	160	120	100	/	20-3	/	4-18	350	240	20
	65	290	180	135	125	/	22-3	/	8-18	400	280	29
	80	310	195	160	145	/	22-3	/	8-18	355	280	32
	100	350	230	190	160	/	24-3	/	8-23	415	320	45
	125	400	270	220	188	/	28-3	/	8-25	460	360	63
	150	480	300	250	218	/	30-3	/	8-25	510	400	90
	200	600	360	310	278	/	34-3	/	12-25	710	400	160
	250	650	425	370	332	/	36-3	/	12-30	786	450	240
	300	750	485	430	390	/	40-4	/	16-30	925	500	390
350	850	550	490	448	/	44-4	/	16-34	1030	600	650	
400	980	610	550	505	/	48-4	/	16-41	1170	700	820	
450	1100	660	600	555	/	50-4	/	20-34	1220	800	960	
500	1150	730	660	610	/	52-4	/	20-41	1450	900	1310	
600	1355	840	770	718	/	56-5	/	20-41	1810	1000	2421	
PN4.0 MPa	10	130	90	60	40	35	16-2	4	4-14	198	120	4.9
	15	130	95	65	45	40	16-2	4	4-14	233	120	5.7
	20	150	105	75	55	51	16-2	4	4-14	275	140	7
	25	160	115	85	65	58	16-2	4	4-14	285	160	8.8
	32	180	135	100	78	66	18-2	4	4-18	302	180	11.8
	40	200	145	110	85	76	18-3	4	4-18	355	200	16.5
	50	230	160	125	100	88	20-3	4	4-18	373	240	24
	65	290	180	145	120	110	22-3	/	8-18	408	280	33
	80	310	195	160	135	121	22-3	/	8-18	436	320	44
	100	350	230	190	160	150	24-3	4.5	8-23	480	360	60
	125	400	270	220	188	176	28-3	4.5	8-25	558	400	89
	150	480	300	250	218	204	30-3	4.5	8-25	611	400	98
	200	600	375	320	282	260	38-3	4.5	12-30	720	400	190
	250	730	445	385	345	313	42-3	4.5	12-34	665	500	265
	300	850	510	450	408	364	46-4	4.5	16-34	720	550	430
350	980	570	510	465	422	52-4	5	16-34	860	600	715	
400	1100	655	585	535	474	58-4	5.5	16-41	1010	700	900	
450	1200	680	610	560	524	60-4	5	20-41	1190	800	1440	
500	1250	755	670	612	576	62-4	5	20-42	1260	900	2660	
PN6.4 MPa	10	170	100	70	5	35	18-2	4	4-14	198	120	5.7
	15	170	105	75	55	40	18-2	4	4-14	195	140	10
	20	190	125	90	68	51	20-2	4	4-18	228	160	13
	25	210	135	100	78	58	22-2	4	4-18	275	180	14.5
	32	230	150	110	82	66	24-2	4	4-23	325	200	19
	40	260	165	125	95	76	24-3	4	4-23	360	240	25
	50	300	175	135	105	88	26-3	4	4-23	410	280	35
	65	340	200	160	130	110	28-3	4	8-23	450	320	48
	80	380	210	170	140	121	30-3	4	8-23	485	360	56
	100	430	250	200	168	150	32-3	4.5	8-25	537	400	70
	125	500	295	240	202	176	36-3	4.5	8-30	631	400	100
	150	550	340	280	240	204	38-3	4.5	8-34	646	450	152
	200	650	405	345	300	260	44-3	4.5	12-34	813	500	283
	250	775	470	400	352	313	48-3	4.5	12-41	985	550	462
	300	900	530	460	412	364	54-4	4.5	16-41	1214	600	885
350	1025	595	525	475	422	60-4	5	16-41	1432	650	1554	
400	1150	670	585	525	474	66-4	5	16-48	1650	700	1850	



特点 Features

1/2"~12"(DN15~DN300)
工作压力: CLASS 150/300
工作温度: 425°C
升杆式/明杆

1/2"~12" (DN15~DN300)
W.P.: CLASS 150/300
W.T.: 425°C
Rising stem

设计标准:

ASME B16.34.BS 1873.API 623

法兰标准: ASME B16.5

结构长度: ASME B16.10

检验 & 测试: API623 / BS1873 / ASME16.34

Design:

ASME B16.34.BS 1873.API 623

Flange dimension: ASME B16.5

Face to face: ASME B16.10

Inspection & testing: API623 / BS1873 / ASME16.34

尺寸 Dimensions CLASS 150

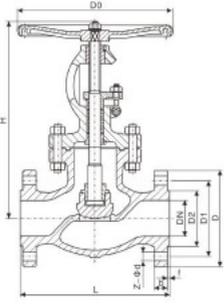
公称口径 Nominal diameter	L	d	D2	D1	D	b	f	n-Φd1	H	W
15	108	15	35	60.3	90	8	2	4-16	178	120
20	117	20	43	70	100	8.9	2	4-16	182	140
25	127	25	51	79.4	110	9.6	2	4-16	201	140
32	140	32	63.5	88.9	115	11.2	2	4-16	238	160
40	165	40	73	98.4	125	12.7	2	4-16	249	180
50	203	50	92	120.7	150	14.3	2	4-19	263	200
65	216	65	105	139.7	180	15.9	2	4-19	312	200
80	241	80	127	152.4	190	17.5	2	4-19	336	250
100	292	100	157	190.5	230	22.3	2	8-19	388	300
125	356	125	185	216	255	22.3	2	8-22	467	350
150	406	150	216	241.3	280	23.9	2	8-22	529	400
200	495	200	270	298.5	345	27	2	8-22	667	450
250	622	250	324	362	405	28.6	2	12-25	825	500
300	698	300	381	431.8	485	30.2	2	12-25	947	600

尺寸 Dimensions CLASS 300

公称口径 Nominal diameter	L	d	D2	D1	D	b	f	n-Φd1	H	W
15	152	15	35	66.7	95	12.7	2	4-16	182	140
20	178	20	43	82.6	115	14.3	2	4-19	187	140
25	203	25	51	89.9	125	15.9	2	4-19	208	160
32	216	32	63.5	98.4	135	17.5	2	4-19	244	160
40	229	40	73	114.3	155	19.1	2	4-22	255	200
50	267	50	92	127	165	20.7	2	8-19	269	200
65	292	65	105	149.2	199	23.9	2	8-22	320	250
80	318	80	127	168.3	210	27	2	8-22	341	250
100	356	100	157	200	255	30.2	2	8-22	393	300
125	400	125	185	235	280	33.4	2	8-22	477	350
150	444	150	216	270	320	35	2	12-22	541	400
200	559	200	270	330.2	380	39.7	2	12-25	682	500
250	622	250	324	387.4	445	46.1	2	16-29	839	600
300	711	300	381	450.8	520	49.3	2	16-32	957	650

材料表 Material List

序号 No.	零件 Parts	材料 Material
1	阀体 Body	WCB+13Cr 304 304M
2	阀瓣 Disc	WCB+13Cr 304 304M
3	阀杆 Stem	20Cr13 304 316
4	开口环 Open ring	45 304 316
5	阀瓣螺母 Disc nut	35 304 316
6	止推垫圈 Thrust washer	Q235A 304 316
7	垫片 Gasket	PTFE / 304+GRAPHITE
8	阀盖螺母 Bonnet	WCB 304 304M
9	螺栓 Bolt	35CrMo 304 304
10	螺母 Nut	45 304 304
11	填料 Packing	PTFE / FLEXIBLE GRAPHITE
12	连接螺栓 Bolt	35 304 304
13	开口销 Cotter pin	Q235A 304 304
14	填料盖 Gland	WCB 304 304
15	螺栓 Bolt	35CrMo 304 304
16	平板 Flat pad	65Mn 304 304
17	螺母 Nut	45 304 304
18	阀杆螺母 Stem nut	BRONZE
19	螺钉 Screws	35GrMo 304 304
20	手轮 Handwheel	FCD / WCB
21	平板 Flat pad	65Mn 304 304
22	螺母 Nut	45 304 304



特点 Features

1/2"~12"(DN15~DN300)
工作压力: 10K/20K
工作温度: 425°C
升杆式/明杆

1/2"~12" (DN15~DN300)
W.P.: 10K/20K
W.T.: 425°C
Rising stem

设计标准: JIS B2071
法兰标准: JIS 2220
结构长度: JIS B2002
检验 & 测试: JIS B2071

Design: JIS B2071
Flange dimension: JIS 2220
Face to face: JIS B2002
Inspection & testing: JIS B2071

尺寸 Dimensions 10K

公称直径 Nominal diameter	L	d	D2	D1	D	b	f	n-Φd1	H	Unit:mm
15	108	15	51	70	95	12	1	4-15	178	120
20	117	20	56	75	100	14	1	4-15	182	140
25	127	25	67	90	125	16	1	4-19	201	140
32	140	32	76	100	135	16	2	4-19	238	160
40	165	40	81	105	140	16	2	4-19	249	180
50	203	50	96	120	155	18	2	4-19	263	200
65	216	65	116	140	175	18	2	4-19	312	200
80	241	80	126	150	185	18	2	4-19	336	250
100	292	100	151	175	210	14	2	8-19	388	300
125	356	125	182	210	250	20	2	8-23	467	350
150	406	150	212	240	280	22	2	8-23	529	400
200	495	200	262	290	330	22	2	12-23	667	450
250	622	250	324	355	400	24	2	12-25	825	500
300	698	300	368	400	445	24	3	16-25	947	600

尺寸 Dimensions 20K

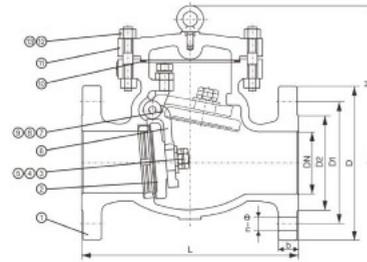
公称直径 Nominal diameter	L	d	D2	D1	D	b	f	n-Φd1	H	W	Unit:mm
15	152	15	51	70	95	14	1	4-15	182	140	
20	178	20	56	75	100	16	1	4-15	187	140	
25	203	25	67	90	125	16	1	4-19	208	160	
32	216	32	76	100	135	18	2	4-19	244	160	
40	229	40	81	105	140	18	2	4-19	255	200	
50	267	50	96	120	155	18	2	8-19	269	200	
65	292	65	116	140	176	20	2	8-19	320	250	
80	318	80	132	160	200	22	2	8-23	341	250	
100	356	100	160	185	225	24	2	8-23	393	300	
125	400	125	195	225	270	26	2	8-25	477	350	
150	444	150	230	260	305	28	2	12-25	541	400	
200	559	200	275	305	350	30	2	12-25	682	500	
250	622	250	345	380	430	34	2	12-27	839	600	
300	711	300	395	430	480	36	3	16-27	957	650	

材料表 Material List

序号 No.	零件 Parts	材料 Material	材料 Material	材料 Material
1	阀体 Body	SCPH2+13Cr	304	304M
2	阀瓣 Disc	SCPH2+13Cr	304	304M
3	阀杆 Stem	20Cr13	304	316
4	开口环 Open ring	45	304	316
5	阀瓣螺母 Disc nut	35	304	316
6	止堆垫圈 Thrust washer	Q235A	304	316
7	垫片 Gasket	PTFE / 304+GRAPHITE		
8	阀盖 Bonnet	SCPH2	304	304M
9	螺栓 Bolt	35CrMo	304	304
10	螺母 Nut	45	304	304
11	填料 Packing	PTFE / FLEXIBLE GRAPHITE		
12	连接螺栓 Bolt	35	304	304
13	开口销 Cotter pin	Q235A	304	304
14	填料盖 Gland	SCPH2	304	304
15	吊环螺栓 Eye Bolts	35CrMo	304	304
16	平板 Flat pad	65Mn	304	304
17	螺母 Nut	45	304	304
18	阀杆螺母 Stem nut	BRONZE		
19	螺钉 Screws	35GrMo	304	304
20	手轮 Handwheel	FCD / SCPH2		
21	平板 Flat pad	65Mn	304	304
22	螺母 Nut	45	304	304

YZJ41H-JIS 目标法兰截止阀10K/20K
JIS Flange Globe Valve美标、目标法兰旋启式止回阀
ANSI、JIS Flange Swing Check Valve

YZH44H-ANSI/JIS



特点 Features

1/2"~12"(DN15~DN300)
工作压力: CLASS 150/300
工作温度: 425°C

1/2"~12" (DN15~DN300)
W.P.: CLASS 150/300
W.T.: 425°C

设计标准: API6D/BS 1868/ASME 16.34
法兰标准: JIS B2071/ASME 16.5
结构长度: JIS B2002/ASME 16.10
检验 & 测试: JIS B2003/API598

Design: API6D/BS 1868
/ASME 16.34
Flange dimension: JIS B2071 /ASME 16.5
Face to face: JIS B2002/ASME 16.10
Inspection & testing: JIS B2003/API598

材料表 Material List

序号 No.	零件 Parts	材料 Material	材料 Material	材料 Material
1	阀体 Body	WCB+13Cr	304	304M
2	阀瓣 Disc	WCB+13Cr	304	304M
3	垫片 Gasket	65Mn	304	316
4	螺母 Nut	45	304	316
5	螺栓 Bolt	Q235A	304	316
6	阀瓣螺母 Disc nut	WCB	304	304M
7	销 Pin	35	304	316
8	垫圈 Washer	PTFE		
9	螺母 Nut	35CrMo	304	304
10	垫片 Gasket	PTFE / 304+GRAPHITE		
11	阀盖 Bonnet	WCB	CFB	304M
12	螺栓 Bolt	Q235A	304	304
13	螺母 Nut	45	304	304

尺寸 Dimensions CLASS 150

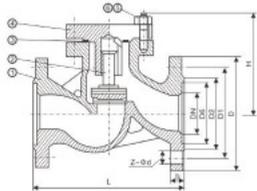
公称直径 Nominal diameter	L	d	D2	D1	D	b	f	n-Φd1	H	Unit:mm
15	108	15	35	60.3	90	8	2	4-16	55	
20	117	20	43	70	100	8.9	2	4-16	57	
25	127	25	51	79.4	110	9.6	2	4-16	63	
32	140	32	63.5	88.9	115	11.2	2	4-16	68	
40	165	40	73	98.4	125	12.7	2	4-16	77	
50	203	50	92	120.7	150	14.3	2	4-19	98	
65	216	65	105	139.7	180	15.9	2	4-19	112	
80	241	80	127	152.4	190	17.5	2	4-19	125	
100	292	100	157	190.5	230	22.3	2	8-19	163	
125	330	125	185	216	255	22.3	2	8-22	178	
150	356	150	216	241.3	280	23.9	2	8-22	205	
200	485	200	270	298.5	345	27	2	8-22	236	
250	622	250	324	362	405	28.6	2	12-25	299	
300	698	300	381	431.8	485	30.2	2	12-25	330	

尺寸 Dimensions 10K

公称直径 Nominal diameter	L	d	D2	D1	D	b	f	n-Φd1	H	Unit:mm
15	108	15	51	70	95	12	1	4-15	55	
20	117	20	56	75	100	14	1	4-15	57	
25	127	25	67	90	125	14	1	4-19	63	
32	140	32	76	100	135	16	2	4-19	68	
40	165	40	81	105	140	16	2	4-19	77	
50	203	50	96	120	155	16	2	4-19	98	
65	216	65	116	140	175	18	2	4-19	112	
80	241	80	126	150	185	18	2	8-19	125	
100	292	100	151	175	210	18	2	8-19	163	
125	330	125	182	210	250	20	2	8-23	178	
150	356	150	212	240	280	22	2	8-23	205	
200	485	200	262	290	330	22	2	12-23	236	
250	622	250	324	355	400	24	2	12-25	299	
300	698	300	368	400	445	24	3	16-25	330	



YZH41H -GB/JIS/ANSI 法兰升降式止回阀国、日、美标
GB / JIS / ANSI Flange Lift Check Valve



特点 Features

1/2"~12"(DN15~DN300)
工作压力W.P.: PN16 CLASS 150 10K
工作温度W.T.: -20°C~425°C

材料表 Material List

序号 No.	零件 Parts	材料 Material		
1	阀体 Body	WCB+13Cr	304	304M
2	阀瓣 Disc	WCB+13Cr	304	304M
3	垫片 Gasket	PTFE / 304+GRAPHITE		
4	阀盖 Bonnet	WCB	304	304M
5	螺栓 Bolt	35CrMo	304	304
6	螺母 Nut	45	304	304

尺寸 Dimensions PN16

公称直径 Nominal diameter	L	d	D2	D1	D	b	f	n-Φd1	H
15	130	15	45	65	95	14	2	4-14	65
20	150	20	55	75	105	14	2	4-14	68
25	160	25	65	85	115	14	2	4-14	73
32	180	32	78	100	135	16	2	4-18	78
40	200	40	85	110	145	16	3	4-18	85
50	230	50	100	125	160	16	3	4-18	103
65	290	65	120	145	180	18	3	4-18	117
80	310	80	135	160	195	20	3	8-18	132
100	350	100	155	180	215	20	3	8-18	147
125	400	125	185	210	245	22	3	8-18	162
150	480	150	210	240	280	22	3	8-22	188
200	600	200	295	295	335	24	3	12-22	222
250	750	250	320	355	405	26	3	12-26	265
300	850	300	375	410	460	28	3	12-26	316

尺寸 Dimensions CLASS 150

公称直径 Nominal diameter	L	d	D2	D1	D	b	f	n-Φd1	H
15	130	15	35	60.3	90	12	2	4-16	65
20	150	20	43	70	100	12.5	2	4-16	68
25	160	25	51	79.4	110	12.5	2	4-16	73
32	180	32	63.5	88.9	115	13.2	2	4-16	78
40	200	40	73	98.4	125	14.7	2	4-16	85
50	230	50	92	120.7	150	16.3	2	4-19	103
65	290	65	105	139.7	180	17.9	2	4-19	117
80	310	80	127	152.4	190	19.5	2	4-19	132
100	350	100	157	190.5	230	24.3	2	8-19	147
125	400	125	185	216	255	24.3	2	8-22	162
150	480	150	216	241.3	280	25.9	2	8-22	188
200	600	200	270	298.5	345	29	2	8-22	222
250	750	250	324	365	405	30.6	2	12-25	265
300	850	300	381	431.8	485	32.2	2	12-25	316

尺寸 Dimensions 10K

公称直径 Nominal diameter	L	d	D2	D1	D	b	f	n-Φd1	H
15	130	15	51	70	95	12	1	4-15	65
20	150	20	56	75	100	14	1	4-15	68
25	160	25	67	90	125	14	1	4-19	73
32	180	32	76	100	135	16	2	4-19	78
40	200	40	81	105	140	16	2	4-19	85
50	230	50	96	120	155	16	2	4-19	103
65	290	65	116	140	175	18	2	4-19	117
80	310	80	126	150	185	18	2	8-19	132
100	350	100	151	175	210	18	2	8-19	147
125	400	125	182	210	250	20	2	8-23	162
150	480	150	212	240	280	22	2	8-23	188
200	600	200	262	290	330	22	2	12-23	222



国标法兰立式止回阀PN16/PN25 YZH42H-GB
GB Flange Vertical Check Valve

16
H42H-25C, P, R
40

用途和性能规范:

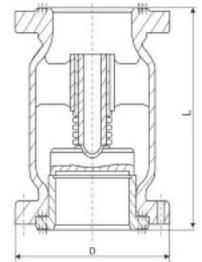
本阀门用于工业管道上阻止介质逆流的装置。
性能规范:
试验压力: 公称压力(MPa) 1.6/2.5/4.0
壳体试验: 2.4/3.8/6.0
密封试验: 1.8/2.8/4.4
阀体材料: WCB(C)/304(P)/304M(R)/WC6/WC9
工作温度: ≤425°C/≤100°C/≤550°C/≤550°C
适用介质: 水、蒸汽、油品、硝酸类、醋酸类
执行标准: 设计制造: GB12235 结构长度: GB12221
连接法兰: JB/T 79-1994
试验与检验: JB/T 9092-1999

主要材质 Main materials

WCB, A105, 304, 304L, 316, 316L, 2205, 2507 (双相钢)、
321, 310S, C4, 2520, 371L, 904L, Ti (钛合金)

主要外形尺寸连接尺寸 Main external and connection dimension

公称压力 Nominal pressure	公称通径 DN(mm)	主要外形尺寸及连接尺寸 (mm)					
		L	D	D1	D2	b-f	Z-Φd
PN1.6 MPa	15	85	95	65	45	14-2	4-14
	20	95	105	75	55	14-2	4-14
	25	105	115	85	65	14-2	4-14
	32	150	135	100	78	16-2	4-18
	40	160	145	110	85	16-3	4-18
	50	170	160	125	100	16-3	4-18
	65	180	180	145	120	18-3	4-18
	80	200	195	160	135	20-3	8-18
	100	210	215	180	155	20-3	8-18
	125	275	245	210	185	22-3	8-18
	150	300	280	240	210	24-3	8-23
	200	380	335	295	265	26-3	12-23
PN2.5 MPa	15	85	95	65	45	16-2	4-14
	20	95	105	75	55	16-2	4-14
	25	105	115	85	65	16-2	4-14
	32	150	135	100	78	18-2	4-18
	40	160	145	110	85	18-2	4-18
	50	170	160	125	100	20-3	4-18
	65	180	180	145	120	22-3	8-18
	80	200	195	160	135	22-3	8-18
	100	210	230	190	160	24-3	8-23
	125	275	270	220	188	28-3	8-25
	150	300	300	250	218	30-3	8-25
	200	380	360	310	278	34-3	12-25
250	430	425	370	335	36-3	12-30	



03

Screw Gate/ Globe/Check Valve Series 丝扣闸/截/止系列



品质专业打造
价格性能卓越

Professional quality creation
Excellent price and performance



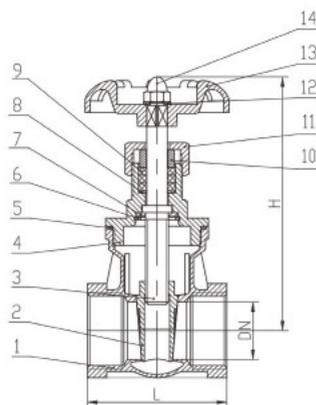
丝扣闸阀 | YZZ15H-GB
Thread Gate Valve



技术要求 Technical requirement

- 1.设计制造按: GB/T-12237
- 2.尺寸参照: GB/T-9113.1
- 3.结构长度按: GB/T-12221之规定
- 4.检查与测试按: GB/T-13927
- 5.适用温度: -20°C~150°C

- 1.Design and manufacturing shall be in accordance with GB/T-12237
- 2.Dimension reference : GB/T-9113.1
- 3.The structural length shall be in accordance with the provisions of GB/T 1-12221
- 4.Inspection and test shall be in accordance with GB/T-13927
- 5.Applicable temperature : -20°C~150°C



外形尺寸 Outline size

SIZE	DN	L	H	W
1/2"	15	50	96	70
3/4"	20	60	102	70
1"	25	65	114	70
1-1/4"	32	75	132	70
1-1/2"	40	85	146	97
2"	50	95	170	97

配件与材料 Accessories and materials

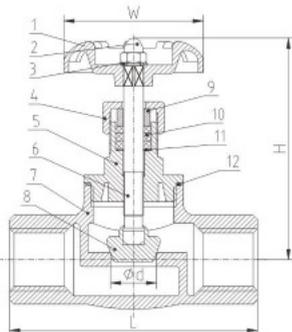
序号 No.	零件名称 Parts Name	材料 Material	序号 No.	零件名称 Parts Name	材料 Material
1	阀体 Body	304 / 316	8	填料垫片 Packing gasket	304 / 316
2	阀瓣 Disc	304 / 316	9	填料 Packing	PTFE
3	阀杆 Stem	304 / 316	10	垫圈 Washer	304 / 316
4	阀盖 Bonnet	304 / 316	11	盖帽 Block a shot	304 / 316
5	密封圈 Seal ring	PTFE	12	螺母垫片 Nut gasket	304 / 316
6	孔用弹性挡圈 Circlip for hole	304 / 316	13	手轮 Hand wheel	304 / 316
7	阀杆垫片 Stem gasket	304 / 316	14	螺母 Nut	304 / 316


YZJ11H-GB 丝扣截止阀
 Thread Globe Valve

技术要求 Technical requirement

1. 设计制造: GB/T-12237
2. 尺寸参照: GB/T-9113.1
3. 结构长度按: GB/T-12221的规定
4. 检查与测试按: GB/T-13927
5. 适用温度范围: -20°C~425°C

- 1.Design and manufacturing : GB/T-12237
- 2.Dimension reference : GB/T-9113.1
- 3.The structural length shall be in accordance with the provisions of GB/T 1-12221
- 4.Inspection and test as per GB/T-13927
- 5.Applicable temperature range : -20°C~425°C


外形尺寸 Outline size

SIZE	DN	L	H	W
1/2"	15	68	85	70
3/4"	20	78	95	70
1"	25	86	105	70
1-1/4"	32	100	125	70
1-1/2"	40	106	135	97
2"	50	130	155	97

配件与材料 Accessories and materials

序号 No.	零件名称 Parts Name	材料 Material
1	手轮 Hand wheel	HT(C.R)
2	螺母 Nut	304 / 316
3	垫片 Shim	304 / 316
4	阀杆螺母 Stem nut	304 / 316
5	阀盖 Bonnet	304 / 316
6	阀杆 Stem	304 / 316

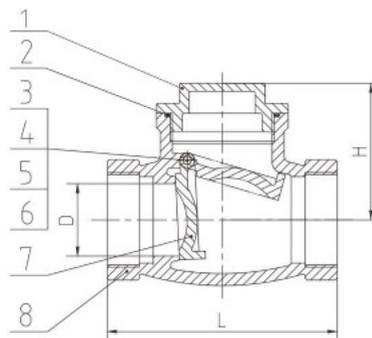
序号 No.	零件名称 Parts Name	材料 Material
1	阀体 Body	304 / 316
2	阀瓣 Disc	304 / 316
3	填料压盖 Packing gland	304 / 316
4	填料 Packing	PTFE
5	垫圈 Washer	304 / 316
6	密封垫 Gasket	PTFE


YZH14H-GB 旋启式止回阀
 Swing Check Valve

技术要求 Technical requirement

1. 设计制造: GB/T-12237
2. 结构长度: GB/T-12221
3. 尺寸参照: GB/T-9113.1
4. 适用温度范围: -20°C~180°C
5. 阀门检测和试验: GB/T-13927

- 1.Design and manufacturing : GB/T-12237
- 2.Structural length : GB/T 1-12221
3. Dimension reference: GB/T-9113.1
- 4.Applicable temperature range : -20°C~180°C
- 5.Valve inspection and test : GB/T-13927


外形尺寸 Outline size

SIZE	DN	L	H	D
1/2"	15	65	40	15
3/4"	20	80	49.5	20
1"	25	90	57	25
1-1/4"	32	105	61.5	32
1-1/2"	40	120	71	39
2"	50	140	77	50
2-1/2"	65	165	101	63
3"	80	190	121.5	76
4"	100	240	134.5	95

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀盖 Bonnet	304 / 316
2	密封圈 Seal ring	PTFE
3	螺栓 Bolt	304 / 316
4	密封垫 Gasket	PTFE

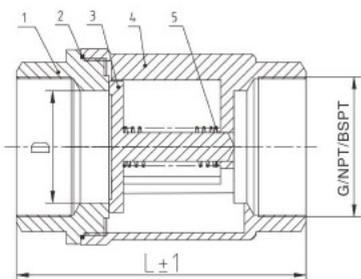
序号 Serial number	名称 Name	材料 Material
1	金属垫片 Metal gasket	304 / 316
2	销 Pin	304 / 316
3	阀瓣 Disc	304 / 316
4	阀体 Body	304 / 316


YZH12W-GB H12W立式止回阀
 H12W Vertical Check Valve

技术要求 Technical requirement

1. 结构长度: GB/T-12221
2. 适用温度范围: -20°C~425°C
3. 阀门检测和试验: GB/T-13927

1. structural length : GB/T-12221
2. Applicable temperature range : -20°C~425°C
3. Valve inspection and test : GB/T 13927


外形尺寸 Outline size

SIZE	DN	L	D
1/2"	15	67	14
3/4"	20	78.4	19
1"	25	89	24
1-1/4"	32	99	31
1-1/2"	40	106.7	38
2"	50	121.5	49

配件与材料 Accessories and materials

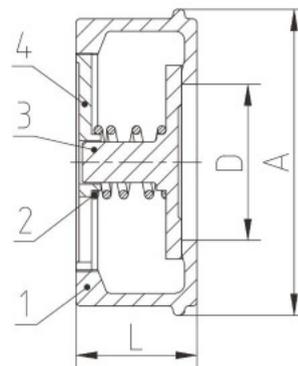
序号 No.	名称 Name	材料 Material
1	阀盖 Bonnet	304 / 316
2	密封垫 Gasket	PTFE
3	阀瓣 Disc	304 / 316
4	阀体 Body	304 / 316
5	止回弹簧 Check spring	304 / 316


H71W对夹式止回阀
 H71W Wafer Check Valve

技术要求 Technical requirement

1. 结构长度: JB/T8937-2010
2. 适用温度范围: -20°C~250°C

1. Structural length : JB/T8937-2010
2. Applicable temperature range : -20°C~250°C


外形尺寸 Outline size

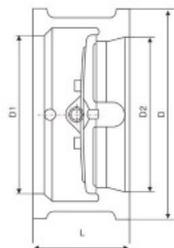
SIZE	D	A	L
1/2"	15	52	16
3/4"	20	60	19
1"	25	70	28
1-1/4"	32	80	31.5
1-1/2"	40	90	40
2"	50	105	46
2-1/2"	65	127	50
3"	80	140	60
4"	100	160	90
5"	125	190	106
6"	150	220	140
8"	200	280	
10"	250	340	
12"	300	400	
14"	350	455	
16"	400	510	

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	304 / 316
2	弹簧 Spring	304 / 316
3	阀瓣 Disc	304 / 316
4	阀盖 Bonnet	304 / 316



YZH77W-GB H77对夹式双瓣止回阀
H77 Double Disc Wafer Check Valve



产品概述 Product overview

止回阀安装在管路系统，其主要作用是防止介质倒流，止回阀是一种依靠介质压力开启和关闭的自动阀门。以往国内普遍采用的是H44型法兰连接旋启式止回阀和H41型法兰连接升降式止回阀，这种传统的止回阀体积笨大，流体阻力大，阀门关闭时水锤压力高，维修难，使用寿命短。

The check valve is installed in the piping system and its main function is to prevent the medium from flowing back. The check valve is an automatic valve that opens and closes depending on the pressure of the medium.

性能参数 Performance parameter

型号 Model	公称压力 Nominal pressure PN (MPa)	试验压力 Test pressure PN (MPa)	工作温度 Working temperature (°C)	适用介质 Applicable media
H77X H77H	1.0	1.5	软密封: < 80	水、气体 油品、硝酸 等
	1.6	2.4		
H77X H77W	2.5	3.75	硬密封 < 450	Water, gas, oil, nitric, acid, etc
	4.0	6.0		
	6.4	9.6		

主要技术参数 Main technical parameters

型号 Model	公称压力 Nominal pressure PN (MPa)	试验压力 Test pressure PN (MPa)	工作温度 Working temperature (°C)	适用介质 Applicable media
H77X H77H	1.0	1.5	软密封: 100~225	水、气体 油品、硝酸 等
	1.6	2.4		
H77X H77W	2.5	3.75	硬密封 200~550	Water, gas, oil, nitric, acid, etc
	4.0	6.0		
	6.4	9.6		

配件与材料 Accessories and materials

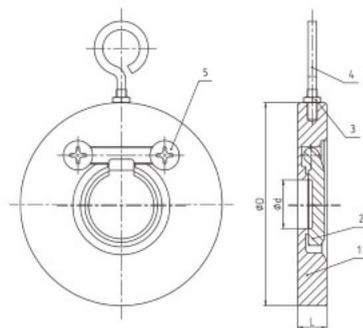
序号 No.	名称 Name	材料 Material				
		H77X-10C, 25, 16, 40	H77H-16C, 40, 25, 64	H77Y25I, 40I164I	H77W10C, 25, 16C, 440	H77W-10P, 25P, 16P, 40P
1	阀体、蝶板 Body, Disc	铸钢 WCB				
2	阀杆 Stem	2Cr13	1Cr18N19Ti	钛钼钢 42CrMo	铸钢 WCB	1Cr18N19Ti
3	阀体密封副 Body sealing pair	堆焊合金钢 Surfacing alloy steel		堆焊硬质合金 Hardfacing		
4	助关弹簧 Closing aid spring	1Cr18N19Ti	耐热合金 Heat-resisting alloy			1Cr18N19Ti

外形尺寸 Outline size

DN(ram)	L	D2	D3		DN(ram)	L	D2	D3	
			H77X	H77H H77Y H77W				H77X	H77H H77Y H77W
50	43	100	43	40	400	140	485	376	390
80	64	105	71	80	450	152	545	427	427
100	64	155	91.5	91	500	152	608	479	490
125	70	185	115	118	600	178	718	579	588
150	75	210	141	145	700	229	800	675	686
200	89	265	191	200	800	241	905	774	784
250	114	320	230	250	900	241	1005	875	-
300	114	375	290	300	1000	300	1115	974	-
350	127	435	340	340	1200	360	1325	1165	-



H74W单瓣止回阀
H74W Single Disc Check Valve



技术要求 Technical requirement

1. 适用温度范围: -20°C~180°C
2. 试验结束后，清除积水，控净内腔
3. 设计标准: API 6D-2008
4. 检测与测试: API 596

1. Applicable temperature range : -20°C~180°C
2. After the test , clear the accumulated water and control the inner cavity .
3. Design standard : API 6D-2008
4. Inspection and testing : API 596

配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	WCB / 304 / 316
2	阀瓣 Disc	304 / 316
3	螺母 Nut	304 / 316
4	钩环 Hook ring	304 / 316
5	螺钉 Screw	304 / 316

外形尺寸 Outline size

Class 150 PN2.0MPa	NPS	DN	L	D	d	Class 300 PN5.0MPa	NPS	DN	L	D	d
	2"	50	19	103	25		2"	50	19	110	25
2-1/2"	65	19	122	38	2-1/2"	65	19	128	38		
3"	80	19	135	46	3"	80	19	147	46		
4"	100	19	173	71.5	4"	100	19	179	71.5		
5"	125	19	195	95	5"	125	19	214	95		
6"	150	19	220	114	6"	150	19	249	114		
8"	200	29	277	140	8"	200	29	305	140		
10"	250	29	337	188	10"	250	29	359	188		
12"	300	38	407	216	12"	300	38	420	216		
14"	350	44	448	263	14"	350	44	483	263		
16"	400	51	512	305	16"	400	51	537	305		
18"	450	60	547	356	18"	450	60	594	356		
20"	500	64	604	406	20"	500	64	652	406		
24"	600	70	715	482	24"	600	70	772	482		
28"	700	90	773	562	28"	700	90	821	562		
32"	800	100	878	664	32"	800	100	936	664		

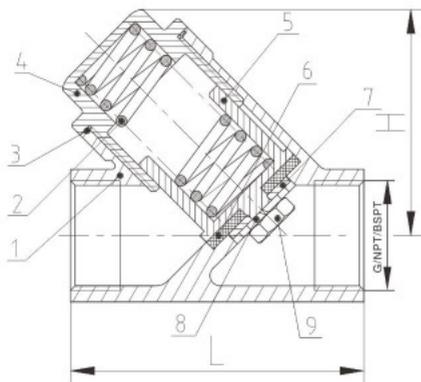


YZH11F-GB Y型内螺纹止回阀
Y-Type Thread Check Valve



技术要求 Technical requirement

1. 设计制造: GB/T-12237 / ANSI B16.34
 2. 尺寸参照: GB/T-9113.1 / ASME B16.5 CLASS 150
 3. 长度: GB/T-12221 / ASME B16.1
 4. 适用温度范围: -20°C~150°C
 5. 阀门检查测试: GB/T-13927 / API598的规定
1. Design and manufacture: GB/T-12237 / ANSI B16.34
 2. Dimension reference: GB/T-9113.1 / ASME B16.5 Class 150
 3. Length: GB/T-12221 / ASME B16.1
 4. Applicable temperature range: -20°C~150°C
 5. Valve inspection and test: GB/T-13927 / API-1598



配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	304 / 316
2	过滤网 Screen	304 / 316
3	线圈 Coil	PTFE
4	阀盖 Bonnet	304 / 316
5	阀瓣 Disc	304 / 316
6	阀座 Seat	PTFE
7	金属垫片 Metal gasket	304 / 316
8	弹垫 Spring washer	304 / 316
9	螺母 Nut	304 / 316

外形尺寸 Outline size

SIZE	1/4"	3/8"	1/2"	3/4"	1	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
L	65	65	65	78	90	105	120	130	178	215	264
H	44	44	44	55.7	66	76	78.6	90	125	156	195
G/NPT/BSPT	1/4"	3/8"	1/2"	3/4"	1	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"

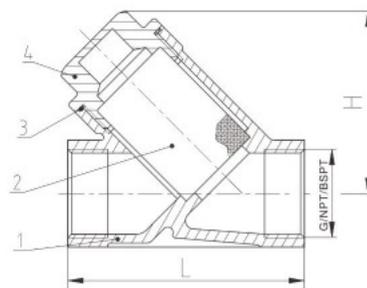


YZGL11F-GB Y型内螺纹过滤器
Y-Type Female Thread Strainer



技术要求 Technical requirement

1. 设计标准: GB/T-12237/ANST B16.34
 2. 尺寸参照: GB/T-9113.1 / ASME B16.5 CLASS150
 3. 长度: GB/T-12221 / ASMW B16.1
 4. 适用温度范围: -20°C~120°C
 5. 阀门检查测试: GB/T-13927 / API598的规定
1. Design and manufacture: GB/T-12237 / ANST B16.34
 2. Dimension reference: GB/T-9113.1 / ASME B16.5 Class 150
 3. Length: GB/T-12221 / ASMW B16.1
 4. Applicable temperature range: -20°C~120°C
 5. Valve inspection and test: GB/T-13927 / API598



配件与材料 Accessories and materials

序号 No.	名称 Name	材料 Material
1	阀体 Body	304 / 316
2	过滤网 Screen	304 / 316
3	线圈 Coil	PTFE
4	阀盖 Bonnet	304 / 316

外形尺寸 Outline size

SIZE	L	H	G/NPT/BSPT
3/8"	65	38	3/8"
1/2"	65	38	1/2"
3/4"	78	øB	3/4"
1"	90	57	1"
1-1/4"	106	62	1-1/4"
1-1/2"	120	67	1-1/2"
2"	140	19	2"
2-1/2"	178	105	2-1/2"
3"	215	131	3"
4"	264	159	4"

04

Forged Steel Gate/Globe/Check Valve Series

锻钢闸/截/止系列



价值来自专业
品质源于细节

Value comes from profession
Quality comes from details



锻钢闸阀、截止阀、止回阀系列
Forged Steel Gate Valve, Globe Valve, Check Valve

YZZ15H-GB
YZJ11H-GB
YZH11H-GB



锻钢闸阀 Forged Steel Gate Valves

锻钢闸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螺母连接，缠绕式垫片（316+柔性石墨制造）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。

Forged Steel Gate Valves are available in three bonnet designs. The first design is the Bolted Bonnet, with male-female joint, spiral wound gasket, made in 316 / 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.



锻钢截止阀 Forged Steel Globe Valves

锻钢截止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螺母连接，缠绕式垫片（316+柔性石墨制造）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。

Forged Steel Globe Valves are available in three bonnet designs. The first design is the Bolted Bonnet, with male-female joint, spiral wound gasket, made in 316 / 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.



锻钢止回阀 Forged Steel Check Valves

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螺母连接，缠绕式垫片（316+柔性石墨制造）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。

止回阀存在三种不同的设计结构，它们是升降式止回阀、球式止回阀和旋启式止回阀。
Forged Steel Check Valves are available in three bonnet designs. The first design is the Bolted Bonnet, with male-female joint, spiral wound gasket, made in 316 / 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.
The check valve are also available in three different design configurations. These are pistor check, ball check, or swing check designs.

结构与说明特征 Gate valve Design construction and specifications

锻钢阀门的设计与API602, BS5352和ASME B 16.34. 检验与测试按API598, 标记按MSS-SP-25.
Forged Steel valves conform to API 602, BS 5352, and ASME B 16.34. Each are tested according to API 598, and marking is per MSS SP-25.

采用以下结构

全径或缩径

明杆支架式(OS&Y)

自定心压板压套式

螺栓连接、缠绕垫片密封式阀盖：螺栓连接、全焊密封式阀盖以及螺栓连接内压自紧式阀盖

整体式上密封座
承插端符合ASME B16.11
螺纹连接端(NPT)符合ANSI/ASME B1.20.1

Construction is as follows:

Full port or conventional port

Outside screw and yoke(OS&Y)

Two piece self aligning packing gland

Bolted bonnet with spiral-wound gasket, threaded and seal welded bonnet or threaded and pressure seal bonnet

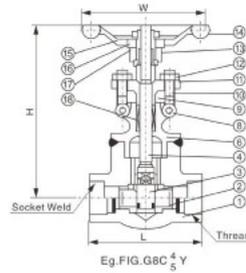
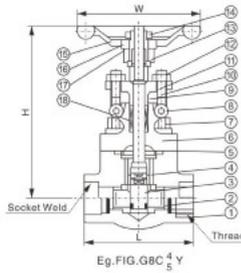
Integral backseat

Socket weld ends to ASME B16.11

Screwed ends(NPT)to ANSI / ASME B1.20.1



YZZ15H-ANSI 锻钢闸阀150-180Lb
Forged Steel Gate Valve



标准材质明细表 Standard material specifications

序号 No.	名称 Part name	美标碳钢 CS to ASTM	美标合金钢 AS to ASTM	美标不锈钢 SS to ASTM	
		Type A105N	Type F22	Type F304(L)	Type F316(L)
1	阀体 Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)
2	阀座 Seat ring	A276 420	A276 304	A276 304(L)	A276 316(L)
3	闸板 Ram	A276 430 / F410	A182 F304	A182 F304(L)	A182 F316(L)
4	阀杆 Stem	A182 F6	A182 F304	A182 F304(L)	A182 F316(L)
5	垫片 Gasket	316+柔性石墨 Corrugated SS+graphite		316+PTFE SS+PTFE	
6	阀盖 Bonnet	A105	A182 F22	A182 F304(L)	A182 F316(L)
7	螺栓 Bonnet Bolt	A193 B7	A193 B16	A193 B8	A193 B8M
8	圆柱销 Pin	A276 420		A182 F304	
9	填料压套 Gland	A276 410		A182 F304(L)	A182 F316(L)
10	活节螺栓 Gland eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
11	填料压板 Gland flange	A105	A182 F11	A182 F304(L)	A182 F316(L)
12	螺母 Gland nut	A194 2H	A194 4	A194 8	A194 8M
13	阀杆螺母 Yoke nut	A276 420			
14	锁紧螺母 H.W.Lock nut	A194 2H	A194 4	A194 8	A194 8M
15	铭牌 Nameplate	SS			
16	手轮 Hand wheel	A197			
17	润滑垫片 Bearing gasket	A273 431			
18	填料 Stem packing	柔性石墨 Flexible graphite		PTFE	
适用介质 Suitable medium		(水、蒸汽、油品等) W.O.G.etc		(硝酸、醋酸类) HNO ₃ , CH ₃ OOH, etc	
适用温度 Suitable temperature		-29°C~425°C		-29°C~200°C	

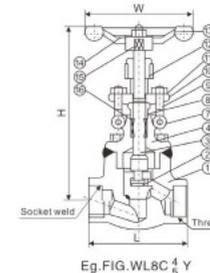
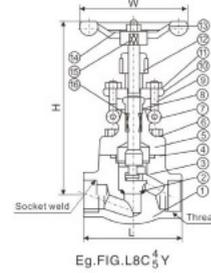
注意：客户需求的其他材质也可采用。密封面材料配对由客户指定内件代号决定。CS=碳钢；AS=合金钢；SS=不锈钢。
Note: Other materials are available upon request. CS=Carbon Steel; AS=Alloy Steel; SS=Stainless Steel.

尺寸 (mm) 和重量(kg) Dimensions(mm) and Weights(kg)

通径 NPS	缩径 Conv.	3/8	1/2	3/4	1	1 1/4	1 1/2	2	/
	全径 Full	/	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		79	79	92	111	120	120	140	178
H(开)H(OPEN)		158	158	169	197	236	246	283	330
W		100	100	100	125	160	160	180	200
重量 Weight	螺栓式 Bolted	2.1	2.0	2.3	4.3	5.9	6.9	11.1	15.2
	焊接式 Welded	1.8	1.7	2.0	3.8	5.1	6.1	10.2	14.2



锻钢截止阀150-800Lb YZJ11H-ANSI
Forged Steel Globe Valve



标准材质明细表 Standard material specifications

序号 No.	名称 Part name	美标碳钢 CS to ASTM	美标合金钢 AS to ASTM	美标不锈钢 SS to ASTM	
		Type A105N	Type F22	Type F304(L)	Type F316(L)
1	阀体 Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)
2	阀瓣 Disc	A276 420	A276 304	A276 304(L)	A276 316(L)
3	阀杆 Stem	A182 F6a	A182	A182 F304(L)	A182 F316(L)
4	垫片 Washer	316+柔性石墨 Corrugated SS+graphite			
5	阀盖 Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
6	阀盖螺栓 Bonnet Bolt	A193 B7	A193 B16	A193 B8	A193 B8M
7	圆柱销 Pin	A276 420		A276 304	
8	填料压套 Gland	A276 410		A182 F304(L)	A182 F316(L)
9	活节螺栓 Gland eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
10	填料压板 Gland flange	A105			
11	螺母 Gland nut	A194 2H	A194 4	A194 8	A194 8M
12	阀杆螺母 Yoke nut	A276 420			
13	螺母 Nut	A194 2H	A194 4	A194 8	A194 8M
14	铭牌 Nameplate	SS			
15	手轮 Hand wheel	A197			
16	填料 Stem packing	柔性石墨 Flexible graphite		PTFE	
适用介质 Suitable medium		(水、蒸汽、油品等) W.O.G.etc		(硝酸、醋酸类) HNO ₃ , CH ₃ OOH, etc	
适用温度 Suitable temperature		-29°C~425°C		-29°C~200°C	

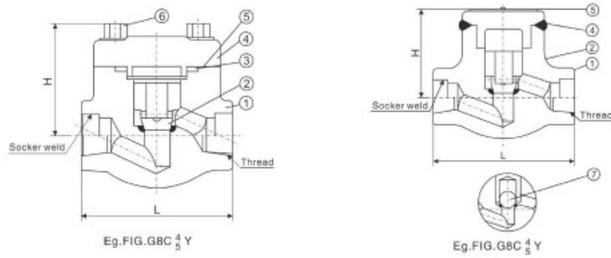
注意：客户需求的其他材质也可采用。密封面材料配对由客户指定内件代号决定。CS=碳钢；AS=合金钢；SS=不锈钢。
Note: Other materials are available upon request. CS=Carbon Steel; AS=Alloy Steel; SS=Stainless Steel.

尺寸 (mm) 和重量(kg) Dimensions(mm) and Weights(kg)

通径 NPS	缩径 Conv.	3/8	1/2	3/4	1	1 1/4	1 1/2	2	/
	全径 Full	/	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		79	79	92	111	120	152	172	200
H(开)H(OPEN)		166	166	171	207	240	258	330	355
W		100	100	100	125	160	160	180	200
重量 Weight	螺栓式 Bolted	1.9	1.9	2.1	3.5	5.9	7.5	11.4	14.6
	焊接式 Welded	1.7	1.7	1.9	3.3	5.2	6.8	10.6	13.8



YZH11H-ANSI 锻钢止回阀150-800Lb
Forged Steel Check Valve



标准材质明细表 Standard material specifications

序号 No.	名称 Part name	美标碳钢 CS to ASTM	美标合金钢 AS to ASTM	美标不锈钢 SS to ASTM	
		Type A105N	Type F22	Type F304(L)	Type F316(L)
1	阀体 Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)
2	升降式阀瓣 Piston Disc	A276 420	A276 304	A276 304(L)	A276 316(L)
3	垫片 Gasket	316+柔性石墨 Corrugated SS+graphite		316+PTFE SS+PTFE	
4	阀盖 Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
5	铭牌 Nameplate	SS			
6	螺栓 Bolt	A193 B7	A193 B16	A193 B8(M)	A193 B8(M)
7	球 Ball	A182 F420 / STL	A182 F304	A182 F304	A182 F304
适用介质 Suitable medium		(水、蒸汽、油品等) W.O.G.etc		(硝酸、醋酸类) HNO ₃ , CH ₃ OOH, etc	
适用温度 Suitable temperature		-29°C~425°C	-29°C~550°C	-29°C~200°C	

注意：客户需求的其他材质也可采用。密封材料配对由客户指定内件代号决定。CS=碳钢；AS=合金钢；SS=不锈钢。
Note: Other materials are available upon request. CS=Carbon Steel; AS=Alloy Steel; SS=Stainless Steel.

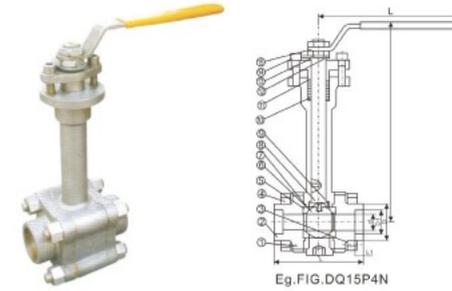
尺寸 (mm) 和重量(kg) Dimensions(mm) and Weights(kg)

通径 NPS	缩径 Conv.	3/8	1/2	3/4	1	1 1/4	1 1/2	2	/
	全径 Full	/	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L		79	79	92	111	120	152	172	200
W		51	61	65	79	95	103	118	132
重量 Weight	螺栓式 Bolted	1.4	1.2	1.5	3.1	3.9	5.6	8.9	12.5
	焊接式 Welded	1.1	1.0	1.2	2.9	3.3	4.9	8.1	10.9



锻钢低温球阀150-800Lb
Forged Steel Low Temperature Ball Valve

YZDQ6IY-ANSI



锻钢低温阀门
Forged Steel Cryogenic Valves

锻钢低温阀门有二种阀盖设计形式。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螺母连接，缠绕式垫片(316+柔性石墨)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。

闸阀、截止阀、球阀都可设计成低温阀。为了能在-196°C(320°F)的低温下使用，一般将阀门设成加长式阀盖。

cryogenic valves are available in two bonnet designs. The first design is the Bolted Bonnet, with male-female joint, spiral wound gasket, made in 316 / 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 cryogenic valves are available in gate and globe design configurations. Valves are designed with an extended bonnet for use in cold services to 196 degrees °C(-320 degrees °F).

标准材质明细表 Standard material specifications

序号 No.	名称 Part name	美标合金钢 AS to ASTM		美标不锈钢 SS to ASTM	
		Type A352 LF3	Type A352 LF3	Type A304(L)	Type F304(L)
1-2	阀体/阀盖 Body / Bonnet	type A352 Lt2	type A352 Lt3	A182 F304(L)	A182 F304(L)
3	等长双头螺栓 Bolt	A193L7+镀铬	A193 3 B8	A193 3 B8	A193 B8M
4	螺母 Nut	A193L7+镀铬	A194 8	A194 8	A194 8M
5,8	密封圈/垫片 Seal ring/Gasket	RTFE+Cu粉/尼龙1010/PPL			
6	球体 Ball	A182 F304	A182 F304(L)	A182 F304(L)	A192 F316(L)
7	阀杆 Stem	A182 F304	A182 F304(L)	A182 F304(L)	A182 F316(L)
9,10	止堆片/填料 Stem/packing	RTFE+Cu粉/尼龙1010/PPL,碳纤维			
11	压盖 Gland	A105N	A351 CF8		
12	定位片 Locating piece	A182 F321			
13	扁螺母 Gland nut	A194 4+镀铬	A194 8	A194 8	A194 8
14	手轮 Wrench	A193L7+镀铬	A193 B8	A193 B8	A193 B8
15	圆柱销 Pin	Q235A			
适用温度 Suitable temperature		≥-40°C	≥-101°C	≥-196°C	

尺寸 (mm) Dimensions(mm)

DN	SIZE	L	d	L1	D	D	H	W
15	1/2	92	13	9.6	36	21.8	230	160
20	3/4	111	18	12.7	42	27.3	260	220
25	1	127	23	12.7	52	33.8	280	220
32	1 1/4	140	28	12.7	60	42.6	290	250
40	1 1/2	152	35	12.7	68	48.7	320	300
50	2	178	45	15.9	80	61.2	340	350



YZZ41R-ANSI
YZJ41R-ANSI
YZH41R-ANSI

锻钢法兰闸阀、截止阀、止回阀系列
Forged Steel Flange Gate Valve, Globe Valve, Check Valve

锻钢法兰端阀门
Forged Steel Integral Flanged End Valves

锻钢法兰阀门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螺母连接，缠绕式垫片（316+柔性石墨）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，内压自密封环密封。

法兰端阀适用于闸阀、截止阀、升降式止回阀和旋启式止回阀及球阀。

Integral flanged valves are available in three bonnet designs. The first design is the Bolted with male-female joint, spiral wound gasket, made in 316 + graphite. Ring joint gasket are also available on request. The second design is the welded bonnet, with 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 joint.

Integral flanged end valves are available in gate, globe, piston check design configurations.



法兰端阀门设计结构和特征

Integral flanged end valve design construction and specification

法兰阀门符合API602, MSS-SP-25 (可采用标准) 和ANSI B 16.34, B35352. 检验与测试按API598, 标志按MSS-SP-25. Integral flanged end valves conform to API 602, BS 5352, and ASME B 16.34. Each are tested according to API 598, and marking is per MSS SP-25.

采用以下结构

- 全径或缩径
- 结构长度按ANSI B16.10
- 法兰尺寸按ANSI B16.5
- 压力自紧式阀盖
- 明杆支架型(OS&Y)
- 自定心压板压套式
- 整体上密封座
- 整体阀体法兰
- 对焊接端符合ASME B16.25
- RTJ阀体阀盖连接形式
- 螺栓连接、缠绕垫片密封式阀盖，螺纹连接，全焊密封式阀盖以及螺栓连接内压自紧密封阀盖

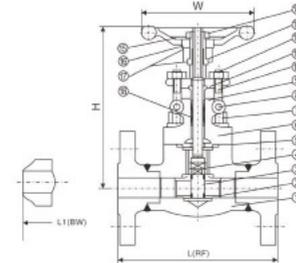
Construction is as follows :

- Full port and conventional port
- face to face according to ANSI B16.10
- Flanges according to ANSI B16.5
- Pressure seal bonnet
- Outside Screw and Yoke(OS&Y)
- Two piece self-aligning packing gland
- Integral backseat
- Integral body flanges
- Butt welding ends to ASME B16.25
- RTJ body bonnet gasket ring joint type
- Bolted bonnet with spiral-wound gasket, threaded and seal welded bonnet or threaded and pressure seal bonnet



锻钢法兰闸阀150-600Lb
Forged Steel Flange Gate Valve

YZZFS407



Eg.FIG.G6C1H

标准材质明细表 Standard material specifications

序号 No.	名称 Part name	美标碳钢 CS to ASTM		美标合金钢 AS to ASTM		美标不锈钢 SS to ASTM	
		Type A105N	Type A193B7	Type F22	Type F20	Type F304(L)	Type F316(L)
1	阀体 Body	A105N		A182 F22		A182 F304(L)	A182 F316(L)
2	阀座 Seat	A276 420		A276 304		A276 304(L)	A276 316(L)
3	闸板 Ram	A182 F430		A182 F304		A182 F304(L)	A182 F316(L)
4	阀杆 Stem	A182 F6a		A182 F304		A182 F304(L)	A182 F316(L)
5	垫片 Gasket	316+柔性石墨 Corrugated SS+graphite		316+PTFE SS+PTFE			
6	阀盖 Bonnet	A105		A182 F22		A182 F304(L)	A182 F316(L)
7	阀盖螺栓 Bonnet Bolt	A193 B7		A193 B16		A193 B8	A193 B8M
8	圆柱销 Pin		A276 420			A276 304	
9	填料压套 Gland		A276 410			A182 F304(L)	A182 F316(L)
10	活节螺栓 Gland eyebolt	A193 B7		A193 B16		A193 B8	A193 B8M
11	填料压板 Gland flange		A105			A182 F304	
12	螺母 Gland nut	A194 2H		A194 4		A194 8	A194 8M
13	阀杆螺母 Stem nut			A276 420			
14	锁紧螺母 H.W.Lock nut	A194 2H		A194 4		A194 8	A194 8M
15	铭牌 Nameplate			SS			
16	手轮 Handwheel			A197			
17	润滑垫片 Bearing gasket			A273 431			
18	填料 Packing	柔性石墨 Flexible graphite			PTFE		
	适用介质 Suitable medium	(水、蒸汽、油品等) W.O.G.etc			(硝酸、醋酸类) HNO ₃ , CH ₃ OOH, etc		
	适用温度 Suitable temperature	-29°C~425°C		-29°C~550°C		-29°C~200°C	

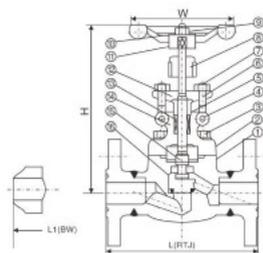
注意：客户需求的其它材质也可采用。密封面材料配对由客户指定内件代号决定。CS=碳钢；AS=合金钢；SS=不锈钢。
Note: Other materials are available upon request. CS=Carbon Steel; AS=Alloy Steel; SS=Stainless Steel.

尺寸 (mm) 和重量(kg) Dimensions(mm) and Weights(kg)

通径NPS		1/2	3/4	1	1 1/4	1 1/2	2	
L(RF) L1(BW)	150Lb	108	117	127	140	165	203	
	300Lb	145	152	165	178	190	216	
	600Lb	165	190	216	229	241	292	
H(开)H(OOPEN)	150,300Lb	158	169	197	236	246	283	
	600Lb	169	197	236	246	283	320	
	W	100	100	125	160	160	180	
重量 Weight	150	RTJ	4.5	5.2	8.2	11.5	12.5	20.3
		BW	2.8	3.3	5.4	7.1	8.2	12.5
	300	RTJ	4.8	6.2	9.3	14	15.5	12.4
		BW	3.5	4.4	6.8	8.1	9.2	15.4
	600	RTJ	5.9	7.4	10.4	16.2	17.5	28.3
		BW	4.5	5.1	8.2	10.5	12.4	20.1



YZJFS406 锻钢法兰截止阀150-600Lb
Forged Steel Flange Globe Valve



Eg.FIG.L9C1Y

标准材质明细表 Standard material specifications

序号 No.	名称 Part name	美标碳钢 CS to ASTM	美标合金钢 AS to ASTM	美标不锈钢 sS to ASTM	
		Type A105N	Type F22	Type F304(L)	Type F316(L)
1	阀体 Body	A105	A182 F22	A182 F304(L)	A182 F316(L)
2	垫片 Gasket	316+柔性石墨 Corrugated SS+graphite		316+PTFE SS+PTFE	
3	阀盖螺栓 Bonnet Bolt	A193 B7	A193 B16	A193 B8	A193 B8M
4	圆柱销 Pin	A276 420		A276 304	
5	填料压套 Gland	A276 410		A182 F304(L)	A182 F316(L)
6	活节螺栓 Gland eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
7	螺母 Gland nut	A194 2H	A194 4	A194 8	A194 8M
8	阀杆螺母 Stem nut	A276 420			
9	螺母 Nut	A194 2H	A194 4	A193 8	A194 8M
10	铭牌 Nameplate	SS			
11	手轮 Handwheel	A197			
12	填料压板 Packing plate	A105		A182 F304	
13	填料 Gland	柔性石墨 Flexible graphite		PTFE	
14	阀盖 Bonnet	A105N	A192 F22	A182 F304(L)	A182 F316(L)
15	阀杆 Stem	A182 F2a	A192 F304	A182 F304(L)	A182 F316(L)
16	阀瓣 Disc	A276 420	A276	A276 304(L)	A276 316(L)
适用介质 Suitable medium		(水、蒸汽、油品等) W.O.G.etc		(硝酸、醋酸类) HNO ₃ , CH ₃ OOH, etc	
适用温度 Suitable temperature		-29°C~425°C	-29°C~550°C	-29°C~200°C	

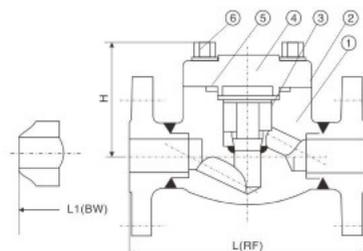
注意：客户需求的其他材质也可采用。密封面材料配对由客户指定内件代号决定。CS=碳钢；AS=合金钢；SS=不锈钢。
Note : Other materials are available upon request . CS=Carbon Steel ; AS=Alloy Steel ; SS=Stainless Steel .

尺寸 (mm) 和重量 (kg) Dimensions(mm) and Weights(kg)

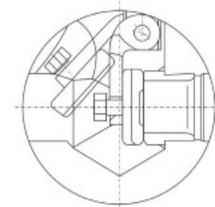
直径NPS		1/2	3/4	1	1 1/4	1 1/2	2	
L(RF) L1(BW)	150Lb	180	117	127	140	165	203	
	300Lb	152	178	203	216	229	267	
	600Lb	165	190	216	229	241	292	
H(开)H(OOPEN)	150,300Lb	166	171	207	240	258	330	
	600Lb	171	207	240	258	330	380	
重量 Weight	150	W	100	100	125	160	180	
		RTJ	4.5	6.9	9.8	13.5	19.5	28.0
	300	BW	2.3	3.6	7.8	8.2	12.0	15.0
		RTJ	4.8	7.7	11.0	16.8	21.2	32.6
	600	BW	2.8	4.0	8.5	9.2	12.6	16.8
		RTJ	5.6	7.8	12.5	17.0	23.5	38.8
	BW	3.4	4.7	9.2	10.5	13.3	18.9	



YZHFS414 锻钢法兰止回阀150-600Lb
Forged Steel Flange Check Valve



Eg.FIG.C6C 1H



Eg.FIG.S6C 1H

标准材质明细表 Standard material specifications

序号 No.	名称 Part name	美标碳钢 CS to ASTM	美标合金钢 AS to ASTM	美标不锈钢 sS to ASTM	
		Type A105N	Type F22	Type F304(L)	Type F316(L)
1	阀体 Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)
2	铭牌 Nameplate	SS			
3	阀瓣 Disc	A276 420	A276 304	A276 304(L)	A276 316(L)
4	阀盖 Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
5	垫片 Gasket	316+柔性石墨 Corrugated SS+graphite		316+PTFE SS+PTFE	
6	螺栓 Bolt	A193 B7	A193 B16	A193 B8(M)	A193 B8(M)
适用介质 Suitable medium		(水、蒸汽、油品等) W.O.G.etc		(硝酸、醋酸类) HNO ₃ , CH ₃ OOH, etc	
适用温度 Suitable temperature		-29°C~425°C	-29°C~550°C	-29°C~200°C	

注意：客户需求的其他材质也可采用。密封面材料配对由客户指定内件代号决定。CS=碳钢；AS=合金钢；SS=不锈钢。
Note : Other materials are available upon request . CS=Carbon Steel ; AS=Alloy Steel ; SS=Stainless Steel .

尺寸 (mm) 和重量 (kg) Dimensions(mm) and Weights(kg)

直径NPS		1/2	3/4	1	1 1/4	1 1/2	2	
L(RF) L1(BW)	150Lb	108	117	127	140	165	203	
	300Lb	152	178	203	216	229	267	
	600Lb	165	190	216	229	241	292	
H(开)H(OOPEN)	150,300Lb	61	61	79	95	103	118	
	600Lb	61	79	95	103	118	135	
重量 Weight	150	RTJ	2.56	3.37	4.37	8.17	8.94	12.64
		BW	1.70	1.90	2.10	5.12	5.50	7.89
	300	RTJ	2.73	3.65	4.74	8.77	9.60	13.70
		BW	1.90	2.10	3.00	5.12	6.60	7.85
	600	RTJ	3.00	4.00	5.83	9.47	10.10	15.6
		BW	2.00	3.12	4.25	7.25	8.56	13.60

05

Filter Series 过滤器系列



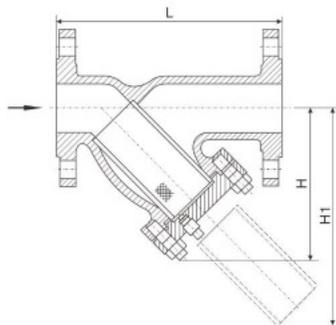
用心提升价值
专心铸造品质

Enhance value with dedication
Concentrate on casting quality



GL41H国标Y型过滤器
Y Type Flange Filter(GB)

YZGL41H-GB



概述

GL41HY型过滤器是输送介质的管道系统不可缺少的一种过滤装置,通常安装在减压阀、泄压阀、定水位阀或其它设备的进口端,用来清除介质中的颗粒杂质,以保护阀门及设备的正常使用。

适用于水蒸气、油品等介质,使用温度一般在-40℃~280℃。(注:具体使用温度以过滤器设计温度为准) Y型过滤器主要有:主体、过滤网、中部盖板、中部堵头、中部紧固件等组成。

该过滤器设计与制造标准参照:GB/T14382-2008、SH/T3411-1999,法兰标准:HG/T20592-2009

GL41H Y-type filter is an indispensable filter device of the pipeline system for conveying media. It is usually installed at the inlet end of valve, like the pressure reducing valve, pressure relief valve, fixed water level valve or other equipment to remove particulate impurities in the medium. Protect the normal use of valves and equipment.

It is suitable for water vapor, oil and other media, and the operating temperature is generally -40℃~280℃. (Note: The specific use temperature is subject to the filter design temperature.) The Y-type filter mainly includes: main body, filter screen, middle cover plate, middle plug, middle fastener and so on.

The filter design and manufacturing standards reference: GB/T14382-2008, SH/T3411-1999, Flange standards: HG/T20592-2009

产品选型表 Product selection table

公称口径 DN(mm)	DN15~DN600(1/2"-24")	连接方式 Connection mode	法兰、对焊、承插焊、螺纹、卡箍 Flange, butt welding, socket welding, thread, clamp
壳体材质 Shell material	碳钢、不锈钢 WCB, Stainless steel	法兰压力 Flange pressure	0.25~6.3MPa(150Lb-600Lb)
滤芯材质 Material of filter element	不锈钢等 Stainless steel	法兰密封面 Flange sealing surface	FF, RF, M, FM, RJ, T, G
过滤精度 Filtration accuracy	10~500目 Mesh	垫片材质 Gasket material	PTFE、金属缠绕、丁腈橡胶等 Metal winding, NBR, etc

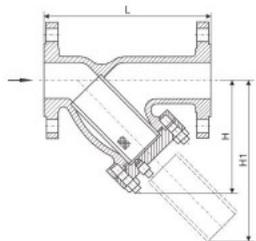
主要外形及连接尺寸 Main shape and connection dimension

公称压力 PN	1.6																	
公称口径 DN	15	20	25	32	40	150	65	80	100	125	150	200	250	300	350	400	450	500
L	150	150	165	180	200	220	250	280	310	350	400	500	550	610	700	800	825	850
H	70	75	95	100	130	140	160	190	210	220	260	300	360	460	530	620	690	710
H1	175	187.5	237.5	250	325	350	400	475	525	550	650	750	900	1150	1325	1550	1725	1775



YZGL41H-ANSI

美标Y型过滤器
ANSI Y-Type Filter(150/300/600LB)



概述 Summary

美标Y型过滤器可根据客户不同需要设置过滤网目数, 一般通水网为10~20目, 通气网为40~100目, 通油网为100~160目, 过滤网材质均为不锈钢(特殊情况可按用户要求制作过滤网)。

The number of filter meshes can be set for the American standard Y-type filter according to the different needs of customers . Generally, the water mesh is 10-20 mesh, the ventilation mesh is 40-100 mesh and the oil mesh is 100-160 mesh . The filter mesh is made of stainless steel . (In special circumstances , the filter can be made according to user requirements) .

技术要求 Technical requirement

1. 设计制造标准: API16D/ANSIB16.34
2. 结构长度标准: ANSIB16.10
3. 连接法兰标准: ANSIB16.5
4. 检验和试压标准: API598
5. 材料标准: ANSI/ASTM

- 1.Design standard : API16D / ANSIB16.34
- 2.Structure length : ANSIB16.10
- 3.Flange standard : ANSIB16.5
- 4.Inspection and test : API598
- 5.Material standards : ANSI / ASTM

主要外形尺寸 Main dimensions(150LB)

公称压力 PN	150LB																	
公称通径 Nominal diameter	DN 15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500
	PNS 1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"
L	140	150	160	180	200	203	216	243	292	356	406	495	622	699	787	914	978	978
H	175	78	96	105	128	150	170	200	220	240	280	330	400	500	580	700	750	800
H1	140	195	240	202.5	320	375	425	500	550	600	700	825	1000	1250	1450	1750	1875	2000

主要外形尺寸 Main dimensions(300LB)

公称压力 PN	300LB														
公称通径 DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
L	152	178	203	216	229	267	292	318	356	400	445	559	622	711	838
H	80	85	105	140	160	180	200	220	230	250	290	330	400	510	600
H1	200	212.5	262.5	350	400	450	500	550	575	625	725	825	1000	1275	1500

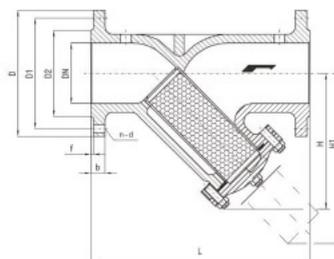
主要外形尺寸 Main dimensions(600LB)

公称压力 PN	600LB														
公称通径 DN	15	15	20	25	32	40	50	65	80	100	150	250	300		
	1/2"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	10"	12"		
L	165	165	190	216	228	241	292	330	356	432	559	787	838		
H	110	110	120	125	130	180	200	220	240	260	300	450	550		
H1	275	275	300	312.5	325	450	500	550	600	650	750	1125	1275		



德标Y型过滤器
DIN Y-Type Filter

YZGL41H-DIN



概述 Summary

德标Y型过滤器是采用德国制造标准生产的一款过滤器产品, 也属于德标阀门的一种, 是输送介质的管道系统不可缺少的一种过滤装置, 主要适用于热油系统、电站、蒸汽系统、热水系统、热电厂、天然气供应系统、水循环系统、冷冻系统等行业。

DIN Y-type filter is produced according to German manufacturing standards . It is an indispensable filter device for the pipeline system of conveying media . It is mainly suitable for hot oil systems and power stations , steam systems , hot water systems , thermal power plants , natural gas supply systems , water circulation systems , refrigeration systems and other industries .

技术要求 Technical requirement

1. 结构长度标准: DIN3202-F1
2. 连接法兰标准: DIN2531-2545
3. 压力温度等级: GB/T12224-2005
4. 试验检验标准: GB/T13927-2008

- 1.Structure length : DIN3202-F1
- 2.Lango standard : DIN2531-2545
- 3.Pressure temperature class : GB/T12224-2005
- 4.Inspection and test : GB/T13927-2008

主要外形尺寸 Main dimensions

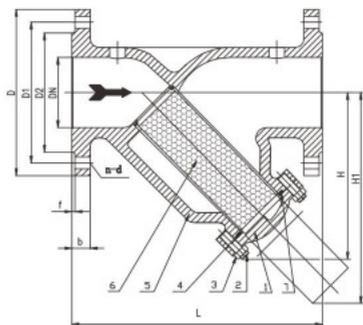
公称压力 PN	1.6												
公称通径 DN	15	20	25	32	40	50	65	80	100	125	150	200	250
L	130	150	160	180	200	230	290	310	350	400	480	600	730
H	80	95	110	115	130	150	175	200	230	290	320	380	450
H1	160	180	200	220	250	300	350	400	450	550	600	750	850

试验压力规范表 Test pressure specification table

公称压力 Nominal pressure		2.0	
实验压力 Pressure test	壳体试验压力 Shell test pressure	3.0	MPa
	密封试验压力 Sealing test pressure		
	上密封试验压力 Upper seal test pressure		
	气密封试验压力 Test pressure of airtight seal	0.6	
	适用温度 Applicable tempratre	425	°C



YZGL41H-JIS 日标Y型法兰过滤器
JIS Y-Type Flange Filter



技术要求 Technical requirement

1. 设计标准按: SH/T3411
2. 结构长度按: JISF7220
3. 法兰尺寸按: JIS/b2220
4. 壁厚标准按: GB26640

- 1.Design criteria are as follows : SH/T3411
- 2.The length of the structure is as follows : JISF7220
- 3.Flange size according to : JIS/b2220
- 4.Wall Thickness Standard According to : GB26640

配件与材料 Accessories and materials

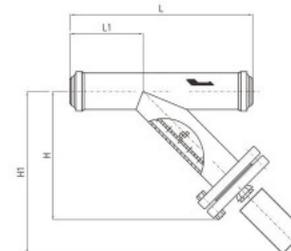
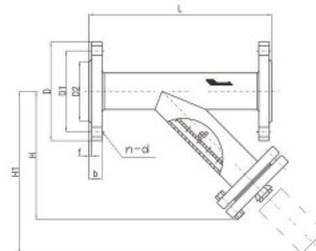
序号 No.	名称 Name	零件材质 Part material	序号 No.	名称 Name	零件材质 Part material
1	阀盖 Bonnet	SCPH ₂	5	阀体 Body	SCPH ₂
2	螺栓 Bolt	35#	6	滤网 Strainer	304
3	螺母 Nut	35#	7	密封圈 Seal ring	橡胶 Rubber
4	密封垫 Gasket	石墨垫片 Graphite gasket			

主要连接尺寸 Main connection dimensions

DN	L	D	D1	n-d	b	H	H1
20	200	85	65	4-12	10	119	167
25	225	95	75	4-12	10	119	167
32	260	115	90	4-15	12	150	209
40	280	120	95	4-15	12	150	209
50	320	130	105	4-15	14	170	270
65	350	155	130	4-15	14	210	369
80	373	180	145	4-19	14	250	440
100	390	200	165	8-19	16	280	540
125	410	235	200	8-19	16	320	650
150	430	265	230	8-19	16	360	710



SRV焊制Y型法兰过滤器 YZGL61H-GB
Welded Y-Type Flange Filter



产品选型表 Product selection table

公称直径 DN(mm)	DN15~DN600(1/2"-24")	连接方式 Connection mode	法兰、对焊、承接焊、螺纹、卡箍 Flange, butt welding, socket welding, thread, clamp
壳体材质 Shell material	碳钢、不锈钢 WCB, Stainless steel	法兰压力 Flange pressure	0.25~6.3MPa(150Lb-600Lb)
滤芯材质 Material of filter element	不锈钢等 Stainless steel	法兰密封面 Flange sealing surface	FF, RF, M, FM, RJ, T, G
过滤精度 Filtration accuracy	10~500目 Mesh	垫片材质 Gasket material	PTFE、金属缠绕、丁腈橡胶等 Metal winding, NBR, etc

主要连接尺寸 Main connection dimensions

公称压力 PN	1.6													
公称直径 DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
L	260	280	290	310	320	300	340	380	450	480	580	700	800	950
H	177	196	208	227	238	240	274	307	350	390	424	520	605	730
H1	280	310	322	350	370	340	380	440	500	600	610	750	880	1060

主要连接尺寸 Main connection dimensions

公称压力 PN	1.6															
公称直径 DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	135	400
L	260	270	270	270	270	290	320	350	425	480	540	700	800	950	1050	1250
L1	96	96	96	45	50	50	70	85	115	140	160	190	200	310	370	420
H	180	190	190	230	230	245	280	315	360	390	460	540	660	750	845	920
H1	270	280	280	330	330	350	400	450	520	560	660	770	945	1080	1210	1320

06

Pipe Fittings Series 管件系列



最专注的视野
最优化的距离

The most focused perspective
Optimized distance

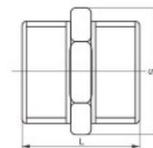


不锈钢丝扣管件系列 Stainless Steel Thread Fittings

特点 Feature :

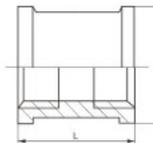
连接形式: 螺纹、软管、堵头 材质为: SUS304、SUS316制成 管道流量控制: DN8~100及1/4"-4"
Type : Screwed, hose, plug Material : SUS304, SUS316 Size: DN8-100&1/4"-4" Applicable to various conditions and connection

六角外丝 Hexagon Nipple



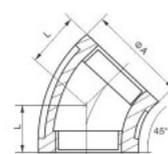
SIZE	DN	L	D
1/4	8	34	15*6
3/8	10	37	18*6
1/2	15	40	22*6
3/4	20	44	28*6
1	25	48	35*6
1-1/4	32	52	44*88
1-1/2	40	55	49*8
2	50	58	61*8
2-1/2	65	63	77*10
3	80	66	90*10
4	100	69	115*10

管箍 Socket



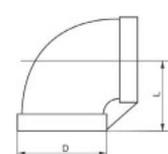
SIZE	DN	L	D
1/4	8	28	22
3/8	10	30	25
1/2	15	34	28
3/4	20	39	34
1	25	42	41
1-1/4	32	49	50
1-1/2	40	53	56
2	50	60	69
2-1/2	65	66	88
3	80	69	102
4	100	72	127

45° 弯头 45° Elbow



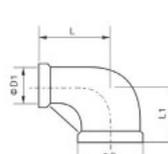
SIZE	DN	φA	D
1/4	1/4	21.0	18.0
3/8	3/8	25.0	20.0
1/2	1/2	29.5	22.0
3/4	3/4	35.6	25.0
1	1	43.0	28.0
1-1/4	1-1/4	52.4	33.0
1-1/2	1-1/2	58.0	36.0
2	2	72.0	43.0
2-1/2	2-1/2	87.0	50.0
3	3	100.32	55.0
4	4	125.5	64.0

90° 弯头 90° Elbow



SIZE	DN	L	D
1/4	1/4	22	22
3/8	3/8	23	25
1/2	1/2	27	28
3/4	3/4	30	34
1	1	35	41
1-1/4	1-1/4	42	50
1-1/2	1-1/2	46	56
2	2	53	69
2-1/2	2-1/2	62	88
3	3	69	102
4	4	83	128

异径弯头 Reducer elbow



SIZE	3/4	L	L1	D	D1
1/2	3/4	45	41	35	29
3/4	1	52	47	41	34
1/2	1	52	42	41	29
1/2	1-1/4	64	49	51	35
3/4	1-1/4				
3/4	1-1/2	70	57	57	42
1	1-1/2				
1/2	2				
3/4	2	84	69	70	51
1	2				
1-3/4	2	84	75	70	57
1-1/2	2				

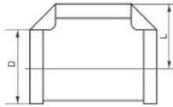


不锈钢丝扣管件系列 Stainless Steel Thread Fittings

特点 Feature :

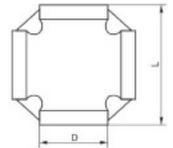
连接形式: 螺纹、软管、堵头 材质为: SUS304、SUS316制成 管道流量控制: DN8~100及1/4"-4" 适用于各种条件及连接需要
Type : Screwed, hose, plug Material : SUS304, SUS316 Size: DN8-100&1/4"-4" Applicable to various conditions and connection

三通 Tee



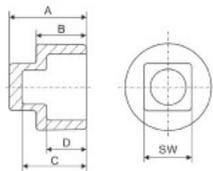
SIZE	DN	L	D
1/4	8	22	22
3/8	10	23	25
1/2	15	27	28
3/4	20	30	34
1	25	38	41
1-1/4	32	42	50
1-1/2	40	46	56
2	50	53	69
2-1/2	65	62	88
3	80	69	102
4	100	83	128

四通 Cross



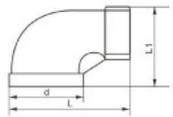
SIZE	DN	L	D
1/2	15	50	30
3/4	20	56	35
1	25	66	42
1-1/4	32	80	52
1-1/2	40	87	58
2	50	102	70

四角塞头 Square plug



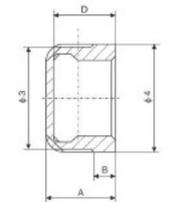
SIZE	A	B	C	D	SW
1/8	13	6.5	10.5	4.5	6
1/4	17.5	11	15	8.7	8
3/8	17.5	11	15	8.7	10
1/2	21	13	18.5	10.7	12
3/4	24	14.5	21	12.2	17
1	27.5	17	24.5	14.5	19
1-1/4	34	23	31	20.5	23
1-1/2	35.5	23.5	32.5	21	26
2	39.5	26.5	36	23.5	31.5
2-1/2	39	27	35	23.5	32
3	44	30	40	26	36

内外弯头 M/F elbow



SIZE	DN	L	L1	Dd
1/2	15	53	35	30
3/4	20	60	42	35
1	25	59	50	42

圆管帽 Cap



SIZE	φ3	φ4	A	B	D
1/8	12.2	13.9	15	5.5	12.6
1/4	14.9	16.9	15	6	12.6
3/8	18.4	20.2	16	6	13.6
1/2	24.9	26.9	20	6	17.5
3/4	29.9	31.9	22	7	19.5
1	37.9	39.9	26	8	23.5
1-1/4	46.4	48.9	28	9	25
1-1/2	52.9	55.4	30	10	26.5
2	64.9	67.4	34	11	30.5
2-1/2	80	84	39	13	35.5
3	94.5	98	42	15	38

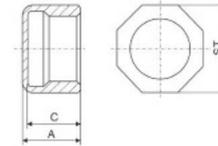


不锈钢丝扣管件系列 Stainless Steel Thread Fittings

特点 Feature :

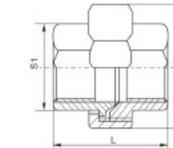
连接形式: 螺纹、软管、堵头 材质为: SUS304、SUS316制成 管道流量控制: DN8~100及1/4"-4" 适用于各种条件及连接需要
Type : Screwed, hose, plug Material : SUS304, SUS316 Size: DN8-100&1/4"-4" Applicable to various conditions and connection

六角管帽 HEX-Cap



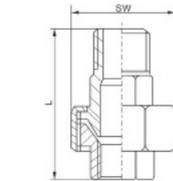
SIZE	A	C	SW	方数
1/8	15		12.8	6
1/4	15		15.5	6
3/8	16	9.5	19.8	6
1/2	20	11.5	26.5	6
3/4	22	14	31.5	8
1	26	15	38.5	8
1-1/4	28	17	47.5	8
1-1/2	32	17	54	8
2	34	25	66	8
4	44		121.5	8

活接头 Union



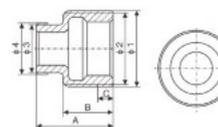
SIZE	DN	L	L1	S	S1
1/4	8	38	15	33*8	18*8
3/8	10	39	16	36*8	22*8
1/2	15	43	17	38*8	26*8
3/4	20	45	19	46*8	32*8
1	25	53	20	55*8	39*8
1-1/4	32	55	22	65*8	48*8
1-1/2	40	59	24	74*8	54*8
2	50	64	25	88*8	66*8
2-1/2	65	68	27	104*10	83*10
3	80	70	28	120*10	96*10
4	100	78	30	148*10	125*10

内外螺纹活接头 Union(M/F)



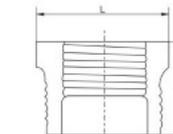
SIZE	DN	L	SW
1/4	8	50	30
3/8	10	50	35
1/2	15	57	42
3/4	20	67	47
1	25	68.3	53
1-1/4	32	83	71
1-1/2	40	86.3	78
2	50	94	92
2-1/2	65	113.3	112
3	80	127	126
4	100	154.3	157

异径管箍 Reducing Socket



SIZE	3/4	L	D	D1
1/2	1	41	35	29
3/4	1	47	41	29
1/2	1	42	41	34
3/4	1-1/4	44	51	44
1	1-1/4	44	51	44
1	1-1/2			
3/4	1-1/2	48	57	41
1/2	2			
3/4	2	53	69	51
1	2			
1/2	2	53	69	57
1/2	2			

补芯 Bushing



SIZE	DN	L	H
1/4	8	15	19
3/8	10	20	20
1/2	15	24	23
3/4	20	30	25
1	25	35	30
1-1/4	32	45	30
1-1/2	40	50	33
2	50	63	37
2-1/2	65	78	46
3	80	92	48
4	100	118	51



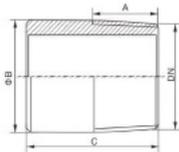
不锈钢丝扣管件系列

Stainless Steel Thread Fittings

特点 Feature :

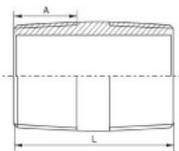
连接形式: 螺纹、软管、堵头 材质为: SUS304、SUS316制成 管道流量控制: DN8~100及1/4"-4" 适用于各种条件及连接需要
Type : Screwed, hose, plug Material : SUS304, SUS316 Size: DN8-100&1/4"-4" Applicable to various conditions and connection

抛光管子单头丝 Half-nipple



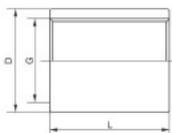
SIZE	A	B	D
1/2	18	21.3	25
3/4	20	26.9	30
1	20	33.7	35
1-1/4	20	42.4	40
1-1/2	20	48.3	40
2	22	60.3	43
2-1/2	22	76.1	45
3	25	88.9	45

抛光管子双头丝 Barrel-nipple



SIZE	S	L	A
1/4	2.0	40	
3/8	2.0	40	10
1/2	2.5	60	13
3/4	2.5	60	15
1	3.2	60	18
1-1/4	3.2	80	21
1-1/2	3.2	80	
2	3.6	100	24
2-1/2	3.6	100	
3	4.0	120	
4	4.5	120	

抛光管子内丝 Coupling



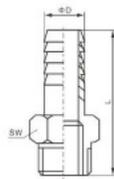
SIZE	D(Φ)	L
1/8	15	18
1/4	18	18
3/8	22	22
1/2	26	25
3/4	33.7	30
1	40	35
1-1/4	48	40
1-1/2	55	40
2	69	45
2-1/2	85	50
3	100	50
4	127	50

抛光皮管外牙 Hose Nipple



SIZE	DN	L	D
1/2	15	50	30
3/4	20	56	35
1	25	66	42
1-1/4	32	80	52
1-1/2	40	87	58
2	50	102	70

水管接头 Hexagon Hose Nipple



SIZE	DN	ΦD	L	SW
1/4	8	6.35	47.0	16.5
3/8	10	9.50	55.0	20.0
1/2	15	12.70	64.0	23.5
3/4	20	19.05	68.0	31.0
1	25	25.40	71.0	38.5
1-1/4	32	31.80	80.0	46.0
1-1/2	40	38.10	95.0	52.0
2	50	50.80	105.0	62.0
2-1/2	65	63.50	107.0	80.0
3	80	76.20	112.0	91.0
4	100	101.60	130.0	116.5



高压管件系列

High-Pressure Fittings Series



内螺纹三通 Tee



高压90°弯头 Elbow



高压45°弯头 45°Elbow



丝口活接头(由任) Union



高压堵头 Plug



高压六角外丝 Hex nipple



高压管子内丝 Coupling

锻钢螺纹四通
Forged steel thread cross

RATING :

PRESSURE : THREADED END-2000/3000/6000 LBS
SOCKET-WELD END-3000/6000/9000 LBS
BUTT WELDED-ND-SCH40/SCH80/SCH160/XXS

SPECIFICATIONS :

A.DIM.SPEC

CB/T 7306 , 12716.14383 , 14626
ASME B16.11-2001 (REVISION OF ASME 16.11-1996)
MSS-SP-79 , 83 , 95 , 97

B.MATERIAL SPEC

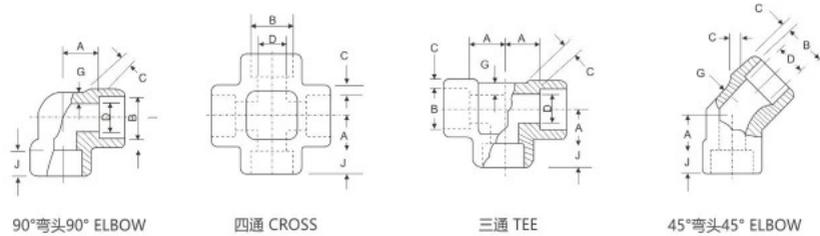
ASTM A105 , A350 LF , A106 , A312 , A234 , A403
GB/T 699 20MN
ASTM A182 (F304 , F304L , F316 , F316L , F304H , F316H , F317L , F321 , F11 , F22 , F91
F51 , F53 , F55 , 904L , F44)

GB (0Cr18Ni10Ti , 0Cr18Ni9 , 00Cr19Ni10 , 0Cr17Ni12MO2 , 00Cr17Ni14MO2 , 00Cr19Ni15MO3.5 ,
0Cr18Ni11 Nb , 0Cr25Ni20)

SIZE OF RAW MATERIAL : DIA.19-100MM ROUND BAR

承插焊管配件
Socket-Welding Fittings

ASME B16.11-2005(ASME B16.11-2001的修订版)



90°弯头90° ELBOW 四通 CROSS 三通 TEE 45°弯头45° ELBOW

尺寸单位为毫米 Dimensions in Millimeters

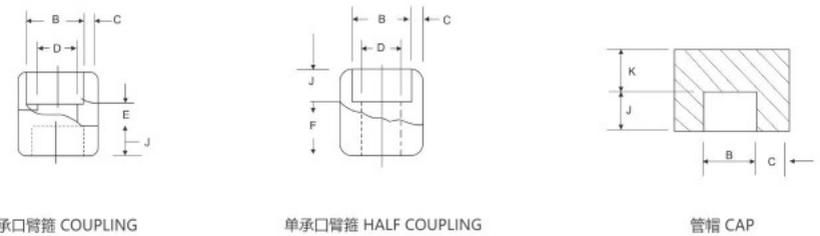
DN	Nom. Pipe. Size	公称管子规格 Size NPS	槽口孔径 Socket Bore Dia. (2) B	管件孔径 Bore Diameter of Fitting(2) D			承插口深度 Socket Wall Thickness(1) C						本体壁厚 Body Wall Thickness G			槽口深度 Depth of Socket Min. J
				级别代号 Class Designation			级别代号 Class Designation						级别代号 Class Designation			
				3000	6000	9000	3000		6000		9000		3000	6000	9000	
6	1/8	11.2 10.8	7.6 6.1	4.8 3.2		3.18	3.18	3.96	3.46			2.41	3.15		9.5	
8	1/4	14.6 14.2	10.0 8.5	7.1 5.6		3.78	3.30	4.60	4.01			3.02	3.68		9.5	
10	3/8	18.0 17.6	13.3 11.8	9.9 8.4		4.01	3.50	5.03	4.37			3.20	4.01		9.5	
15	1/2	22.0 21.8	16.6 15.0	12.5 11.0	7.2 5.6	4.67	4.09	5.97	5.18	9.35	8.18	3.73	4.78	7.47	9.5	
20	3/4	27.6 27.2	21.7 20.2	16.8 14.8	11.8 10.3	3.90	4.27	6.96	6.04	9.78	8.56	3.91	5.56	7.82	12.5	
25	1	34.3 33.9	27.4 25.9	21.5 19.9		5.69	4.98	7.92	6.93	11.38	9.96	4.55	6.35	9.09	12.5	
32	1-1/4	43.1 42.7	35.8 34.3	30.2 28.7	23.5 22.0	6.07	5.28	5.98	6.93	12.14	10.62	4.85	6.35	9.70	12.5	
40	1-1/2	49.2 48.8	41.6 40.1	34.7 33.2	28.7 27.2	6.35	5.54	8.92	7.80	12.70	11.12	5.08	7.14	10.15	12.5	
50	2	61.7 61.2	53.3 51.7	43.6 42.1	38.9 37.4	6.93	6.04	10.92	9.50	13.84	12.12	5.54	8.74	11.07	16.0	
65	2-1/2	74.4 73.9	64.2 61.2			8.76	7.67					7.01			16.0	
80	3	90.3 89.8	79.4 76.4			9.52	8.30					7.62			16.0	
100	4	115.7 115.2	103.8 100.7			10.69	9.35								16.0	

NOTES :
(1) Average of Socket Wall Thickness around periphery shall be no less than listed values .
The minimum values are permitted in localized areas .
(2) Upper and lower values for each size are the respective maximum and minimum diameter .

注:
(1) 承插口沿周边的平均厚度不小于列表值, 局部允许达最大值
(2) 每个规格的较大值和较小值分别对应于最大直径和最小直径

承插焊管配件
Socket-Welding Fittings

ASME B16.11-2005(ASME B16.11-2001的修订版)



双承口管箍 COUPLING 单承口管箍 HALF COUPLING 管帽 CAP

尺寸单位为毫米 Dimensions in Millimeters

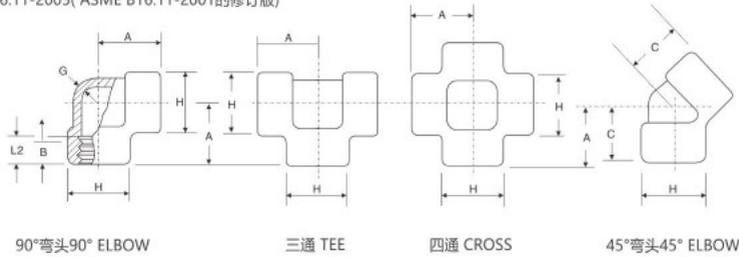
中心到承插口 Center to Bottom of Socket-A			长度 Laying Lengths				公差 Tolerances ±			壁厚厚度 End Wall Thickness K(Min).			公称管子规格			
90°弯头, 三通, 四通 90° Elbows tees , Crosses			45°弯头 45° Elbows				双承口 管箍 Couplings E	单承口 管箍 Half Couplings F	A	E	F	级别代号 Class Designation			Nom. Pipe. Size	DN
级别代号 Class Designation			级别代号 Class Designation									3000	6000	9000		
11.0	11.0		8.0	8.0			6.5	16.0	1.0	1.5	1.0	4.8	6.4		1/8	6
11.0	13.5		8.0	8.0			6.5	16.0	1.0	1.5	1.0	4.8	6.4		1/4	8
13.5	15.5		8.0	11.0			6.5	17.5	1.5	3.0	1.5	4.8	6.4		3/8	10
15.5	19.0	38.0	11.0	12.5	15.5		9.5	22.5	1.5	3.5	1.5	6.4	7.9	11.2	1/2	15
19.0	22.5	28.5	13.0	14.0	19.0		9.5	24.0	1.5	3.5	1.5	6.4	7.9	12.7	3/4	20
22.5	27.0	32.0	14.0	17.5	20.5		12.5	28.5	2.0	2.0	2.0	9.6	11.2	14.2	1	25
27.0	32.0	35.0	17.5	20.5	22.5		12.5	30.0	2.0	4.0	2.0	9.6	11.2	14.2	1-1/4	32
32.0	38.0	38.0	20.5	25.5	25.5		12.5	32.0	2.0	4.0	2.0	11.2	12.7	15.7	1-1/2	40
38.0	41.0	54.0	28.5	28.5	28.5		19.0	41.0	2.0	4.0	2.0	12.7	15.7	19.0	2	50
41.0			28.5				19.0	43.0	2.5	5.0	2.5	15.7	19.0		2-1/2	65
57.0			32.0				19.0	44.5	2.5	5.0	2.5	19.0	22.4		3	80
66.5			41.0				19.0	48.0	2.5	5.0	2.5	22.4	28.4		4	100

NOTES :
(1) Average of Socket Wall Thickness around periphery shall be no less than listed values .
The minimum values are permitted in localized areas .
(2) Upper and lower values for each size are the respective maximum and minimum dimensions .
(3) DIMENSIONAL TOLERANCES : see page 14

注:
(1) 承插口沿周边的平均厚度不小于列表值, 局部允许达最大值
(2) 每个规格的较大值和较小值分别对应于最大直径和最小直径
(3) 尺寸公差: 参见第14页

螺纹管配件
Threaded Fittings

ASME B16.11-2005(ASME B16.11-2001的修订版)



螺纹管配件
Threaded Fittings

ASME B16.11-2005(ASME B16.11-2001的修订版)



尺寸单位为毫米 Dimensions in Millimeters

公称管子规格 Size NPS	弯头, 三通, 四通 中心到端 Center to End Elbows, Tees, Cross A	45°弯头中心到端 Center to End 45° Elbows C			箍圈外径 Outside Diameter of Band H			最小壁厚 Minimum Wall Thickness G			螺纹厚度 Length of Thread Min.(1)				
		2000	3000	6000	2000	3000	6000	2000	3000	6000	2000	3000	6000	B	L2
6	1/8	21	21	25	17	17	17	22	22	25	3.18	3.18	6.35	6.4	6.7
8	1/4	21	25	28	17	19	22	22	25	33	3.18	3.30	6.60	8.1	10.2
10	3/8	25	28	33	19	22	25	25	36	38	3.18	3.51	6.98	9.1	10.5
15	1/2	28	33	38	22	25	28	33	38	46	3.18	4.09	8.15	10.9	13.6
20	3/4	33	38	44	25	28	33	38	46	56	3.19	4.32	8.53	12.7	13.9
25	1	38	44	51	28	33	35	46	56	62	3.68	4.98	9.93	14.7	17.3
32	1-1/4	44	51	60	33	35	43	56	62	75	3.89	5.25	10.59	17.0	18.0
40	1-1/2	51	60	64	35	35	44	62	75	84	4.01	5.56	11.07	17.8	18.4
50	2	60	64	83	43	44	52	75	84	102	4.27	4.01	12.09	19.0	19.2
65	2-1/2	76	83	95	52	52	64	76	146	121	5.61	7.65	15.29	23.6	28.9
80	3	86	95	106	64	64	79	119	121	146	5.99	8.84	16.64	25.9	30.5
100	4	106	114	114	79	79	79	146	152	152	6.55	11.18	11.18	27.7	33.0

(1)Dimension B is minimum length of perfect thread . The length of useful thread (B plus threads with fully formed roots and flat crests) shall not be less than L2 (effective length of external thread) required by American National Standard for Pipe Threads (Ansi / lasme B1.20.1)

(1)尺寸B为原完整螺纹的最小长度, 根据美国国家标准对管螺牙的要求(ANSIASME B1.20.1)有用螺纹长度B加上具有充分形成的牙底和平牙顶的牙数应不小于L2(外螺纹牙的有效长度)。

尺寸单位为毫米 Dimensions in Millimeters

公称管子规格 Size NPS	螺纹外接头端 到端 End to End Couplings W	管帽端到端 End to End Caps P		外径 Outside Diameter D		螺纹端部壁厚 End Wall Thickness G(Min).		螺纹长度 Length of Thread.(Min)(1)		
		3000&6000	3000	6000	3000	6000	3000	6000	B	L2
6	1/8	32	19	...	16	22	4.8	...	6.4	6.7
8	1/4	35	25	27	19	25	4.8	6.4	8.1	10.2
10	3/8	38	25	27	22	32	4.8	6.4	9.1	10.4
15	1/2	48	32	33	28	38	6.4	7.9	10.9	13.6
20	3/4	51	37	38	35	44	6.4	7.9	12.7	13.9
25	1	60	41	43	44	57	9.7	11.2	14.7	17.3
32	1-1/4	67	44	46	57	64	9.7	11.2	17.0	18.0
40	1-1/2	79	44	48	64	76	11.2	12.7	17.8	18.4
50	2	86	48	51	76	92	12.7	15.7	19.0	19.2
65	2-1/2	92	60	64	92	108	15.7	19.0	12.6	28.9
80	3	108	65	68	108	127	19.0	22.4	25.9	30.5
100	4	121	68	75	140	159	22.4	28.4	27.7	33.0

(1)Dimension B is minimum length of perfect thread . The length of useful thread (B plus threads with fully formed roots and flat crests) shall not be less than L2 (effective length of external thread) required by American National Standard for Pipe Threads (Ansi / lasme B1.20.1)

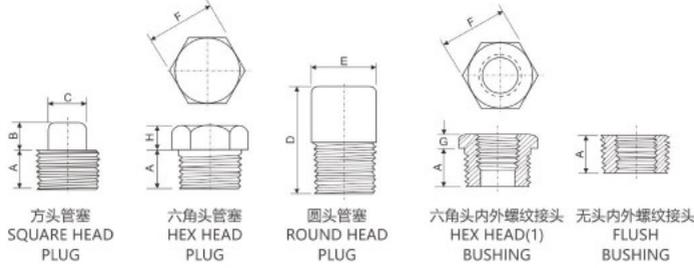
(2)Class 2000 and NPS 1/8 class 6000 couplings , half couplings , and caps are not included in this standard .

(1)尺寸B为原完整螺纹的最小长度, 根据美国国家标准对管螺牙的要求(ANSIASME B1.20.1)有用螺纹长度B加上具有充分形成的牙底和平牙顶的牙数应不小于L2(外螺纹牙的有效长度)。

(2)本标准不包括2000磅级和NPS 1/8 6000磅级双承口管箍, 单承口管箍和管帽。

螺纹管配件
Threaded Fittings

ASME B16.11-2005(ASME B16.11-2001的修订版)



尺寸单位为毫米 Dimensions in Millimeters

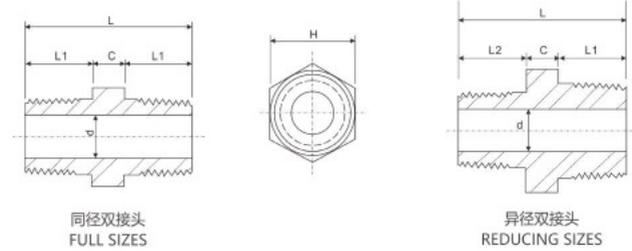
公称管子规格 Size NPS		长度 Length (Min.) A	Plugs Square Head		Plugs Round Head		Hex Plugs & Bushings		
DN	Nom. Pipe Size		方头高度 Height of Square (Min.) B	对边距离 Width Flats (Min.) C	圆头公称直径 Nominal Diameter of Head E	长度 Length (Min.) D	对边距离 Width Flats (Min.) F	Hex Height (Min.)	
								内外螺纹 Bushing G	管塞 Plug H
6	1/8	10	6	7	10	35	11	...	6
8	1/4	14	6	10	14	41	16	3	6
10	3/8	13	8	11	18	41	18	4	8
15	1/2	14	10	14	24	44	22	5	8
20	3/4	16	11	16	27	44	27	6	10
25	1	19	13	21	33	51	36	6	10
32	1-1/4	21	14	24	43	51	46	7	14
40	1-1/2	21	16	28	48	51	50	8	16
50	2	22	18	32	60	64	65	9	18
65	2-1/2	27	19	36	73	70	75	10	19
80	3	28	21	41	89	70	90	10	21
100	4	32	25	65	114	76	115	13	25

(1) CAUTIONARY NOTE REGARDING HEX BUSHINGS . Hex Head Bushings of one-size reduction should not be used in services where they might be subject to harmful loads and forces other than internal pressures .

(1)使用六角内外螺纹接头特别注意：六角头丝套使用不宜减少任一尺寸，因为这些丝套可能承受压外的有害负荷力。

六角双接头
Hex Nipples

螺纹按 GB/T12716制造 ASN/ASME B1.20.1-1983-NPT



尺寸单位为毫米 Dimensions in Millimeters

公称管子规格 Size NPS	C	L1	L	d		H
				3M	6M	
				1/8	6.0	
1/4	8.0	14.0	36.0	6.4	-	17.0
3/8	8.0	14.0	36.0	9.2	4.3	19.0
1/2	9.0	19.0	47.0	11.8	6.4	24.0
3/4	10.0	19.0	48.0	15.6	11.1	30.0
1	11.0	24.0	59.0	20.7	15.2	35.0
1-1/4	12.0	24.0	60.0	29.5	22.8	46.0
1-1/2	14.0	24.0	62.0	34.0	28.0	50.0
2	16.0	26.0	68.0	42.9	38.2	65.0
2-1/2	18.0	38.0	94.0	53.8	-	80.0
3	20.0	40.0	100.0	66.5	-	95.0
4	24.5	40.0	105.0	87.3	-	125.5

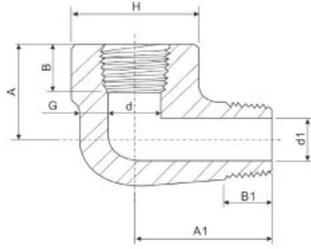
(1)3M=3000# ; 6M=6000#
3M=3000磅; 6M=6000磅

公称管子规格 Size NPS	C	L1	L2	L	d		H
					3M	6M	
					3/8x1/4	8.0	
1/2x1/4	9.0	19.0	14.0	42.0	6.4	-	24.0
1/2x3/8	9.0	19.0	14.0	42.0	9.2	4.3	24.0
3/4x1/4	10.0	19.0	14.0	43.0	6.4	-	30.0
3/4x3/8	10.0	19.0	14.0	43.0	9.2	4.3	30.0
3/4x1/2	10.0	19.0	19.0	48.0	11.8	6.4	30.0
1x3/8	11.0	24.0	14.0	49.0	9.2	4.3	35.0
1x1/2	11.0	24.0	19.0	54.0	11.8	6.4	35.0
1x3/4	11.0	24.0	19.0	54.0	15.6	11.1	35.0
1-1/4x1/2	12.0	24.0	19.0	55.0	11.8	6.4	46.0
1-1/4x3/4	12.0	24.0	19.0	55.0	15.6	11.1	46.0
1-1/4x1	12.0	24.0	24.0	60.0	20.7	15.2	46.0
1-1/2x3/4	14.0	24.0	19.0	57.0	15.6	11.1	50.0
1-1/2x1	14.0	24.0	24.0	62.0	20.7	15.2	50.0
1-1/2x1-1/4	14.0	24.0	24.0	62.0	29.5	22.8	50.0
2x1	16.0	26.0	24.0	66.0	20.7	15.2	65.0
2x1-1/4	16.0	26.0	24.0	66.0	29.5	22.8	65.0
2x1-1/2	16.0	26.0	24.0	66.0	34.0	28.0	65.0
2-1/2x1-1/4	18.0	38.0	24.0	80.0	29.5	22.8	80.0
2-1/2x1-1/2	18.0	38.0	24.0	80.0	34.0	28.0	80.0
2-1/2x2	18.0	38.0	26.0	82.0	42.9	38.2	80.0
3x1-1/2	20.0	40.0	24.0	84.0	34.0	28.0	95.0
3x2	20.0	40.0	26.0	86.0	42.9	38.2	95.0
3x2-1/2	20.0	40.0	38.0	98.0	53.8	-	95.0



内外螺纹弯头
Street Elbows

ASME B16.11-2005(ASME B16.11-2001的修订版)



尺寸单位为毫米 Dimensions in Millimeters

3000Lbs

Nom Pipe Size	Dim	H	A	A1	d	d1	D (Min)	B (Min)	B1 (Min)
1/4		25	22	32	11.2	7	3.30	10.2	11
3/8		33	25	38	14.5	9	3.51	10.4	13
1/2		38	28	41	15.7	13	4.09	13.6	14
3/4		46	35	48	20.9	16	4.32	13.9	16
1		56	44	57	26.6	20	4.98	17.3	19
1-1/4		62	51	66	35.0	28	5.28	18.0	21
1-1/2		75	54	71	40.9	30	5.56	18.4	21
2		84	64	84	52.5	40	7.14	19.2	

6000Lbs

Nom Pipe Size	Dim	H	A	A1	d	d1	D (Min)	B (Min)	B1 (Min)
1/4		33	25	38	11.2	3.0	5.66	10.2	11
3/8		38	28	41	14.5	4.7	6.98	10.4	13
1/2		46	35	48	15.7	6.3	8.15	13.6	14
3/4		56	44	57	20.9	11.1	8.53	13.9	16
1		62	51	66	16.6	15.2	9.93	17.3	19
1-1/4		75	54	71	35.0	22.8	10.59	18.0	21
1-1/2		84	64	84	40.9	27.9	11.07	18.4	21



无缝钢管和无缝不锈钢管尺寸表

Dimensions Of Seamless Steel Pipe And Seamless Stainless Steel Pipe

单位: 毫米 Unit: mm

(ASME B36.10M---2004, ASME B36.19---2004)

尺寸公差 TOLERANCES	公称 管子 NPS	外径 Outside Dia.		钢管 STEEL PIPE										不锈钢 ST. ST PIPE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		AS3 A106 O.D.	API 5L O.D.	A530 O.D.	STD		S/10		S/20		S/30		S/40		S/60		Wall Thickness																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
					MAX	MIN	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	XS	S/80	S/100	S/120	S/140	S/160	XXS	S/5S	S/10S	S/40S	S/80S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
+1/64" -1/32"	1/8				10.3	10.7	9.5	1.2	1.5	1.7	S/40	S/80	2.4	3.2	4.8	1.2	1.7	2.4	3.2	4.8	6.1	7.1	8.1	9.1	10.2	11.1	12.1	13.1	14.1	15.1	16.1	17.1	18.1	19.1	20.1	21.1	22.1	23.1	24.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					13.7	14.1	12.7	1.7	1.9	2.2	S/40	S/80	3.0	3.7	4.8	5.5	6.1	6.4	6.7	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.1	13.5	13.9	14.3	14.7	15.1	15.5	15.9	16.3	16.7	17.1	17.5	17.9	18.3	18.7	19.1	19.5	19.9	20.3	20.7	21.1	21.5	21.9	22.3	22.7	23.1	23.5	23.9	24.3	24.7	25.1	25.5	25.9	26.3	26.7	27.1	27.5	27.9	28.3	28.7	29.1	29.5	29.9	30.3	30.7	31.1	31.5	31.9	32.3	32.7	33.1	33.5	33.9	34.3	34.7	35.1	35.5	35.9	36.3	36.7	37.1	37.5	37.9	38.3	38.7	39.1	39.5	39.9	40.3	40.7	41.1	41.5	41.9	42.3	42.7	43.1	43.5	43.9	44.3	44.7	45.1	45.5	45.9	46.3	46.7	47.1	47.5	47.9	48.3	48.7	49.1	49.5	49.9	50.3	50.7	51.1	51.5	51.9	52.3	52.7	53.1	53.5	53.9	54.3	54.7	55.1	55.5	55.9	56.3	56.7	57.1	57.5	57.9	58.3	58.7	59.1	59.5	59.9	60.3	60.7	61.1	61.5	61.9	62.3	62.7	63.1	63.5	63.9	64.3	64.7	65.1	65.5	65.9	66.3	66.7	67.1	67.5	67.9	68.3	68.7	69.1	69.5	69.9	70.3	70.7	71.1	71.5	71.9	72.3	72.7	73.1	73.5	73.9	74.3	74.7	75.1	75.5	75.9	76.3	76.7	77.1	77.5	77.9	78.3	78.7	79.1	79.5	79.9	80.3	80.7	81.1	81.5	81.9	82.3	82.7	83.1	83.5	83.9	84.3	84.7	85.1	85.5	85.9	86.3	86.7	87.1	87.5	87.9	88.3	88.7	89.1	89.5	89.9	90.3	90.7	91.1	91.5	91.9	92.3	92.7	93.1	93.5	93.9	94.3	94.7	95.1	95.5	95.9	96.3	96.7	97.1	97.5	97.9	98.3	98.7	99.1	99.5	99.9	100.3	100.7	101.1	101.5	101.9	102.3	102.7	103.1	103.5	103.9	104.3	104.7	105.1	105.5	105.9	106.3	106.7	107.1	107.5	107.9	108.3	108.7	109.1	109.5	109.9	110.3	110.7	111.1	111.5	111.9	112.3	112.7	113.1	113.5	113.9	114.3	114.7	115.1	115.5	115.9	116.3	116.7	117.1	117.5	117.9	118.3	118.7	119.1	119.5	119.9	120.3	120.7	121.1	121.5	121.9	122.3	122.7	123.1	123.5	123.9	124.3	124.7	125.1	125.5	125.9	126.3	126.7	127.1	127.5	127.9	128.3	128.7	129.1	129.5	129.9	130.3	130.7	131.1	131.5	131.9	132.3	132.7	133.1	133.5	133.9	134.3	134.7	135.1	135.5	135.9	136.3	136.7	137.1	137.5	137.9	138.3	138.7	139.1	139.5	139.9	140.3	140.7	141.1	141.5	141.9	142.3	142.7	143.1	143.5	143.9	144.3	144.7	145.1	145.5	145.9	146.3	146.7	147.1	147.5	147.9	148.3	148.7	149.1	149.5	149.9	150.3	150.7	151.1	151.5	151.9	152.3	152.7	153.1	153.5	153.9	154.3	154.7	155.1	155.5	155.9	156.3	156.7	157.1	157.5	157.9	158.3	158.7	159.1	159.5	159.9	160.3	160.7	161.1	161.5	161.9	162.3	162.7	163.1	163.5	163.9	164.3	164.7	165.1	165.5	165.9	166.3	166.7	167.1	167.5	167.9	168.3	168.7	169.1	169.5	169.9	170.3	170.7	171.1	171.5	171.9	172.3	172.7	173.1	173.5	173.9	174.3	174.7	175.1	175.5	175.9	176.3	176.7	177.1	177.5	177.9	178.3	178.7	179.1	179.5	179.9	180.3	180.7	181.1	181.5	181.9	182.3	182.7	183.1	183.5	183.9	184.3	184.7	185.1	185.5	185.9	186.3	186.7	187.1	187.5	187.9	188.3	188.7	189.1	189.5	189.9	190.3	190.7	191.1	191.5	191.9	192.3	192.7	193.1	193.5	193.9	194.3	194.7	195.1	195.5	195.9	196.3	196.7	197.1	197.5	197.9	198.3	198.7	199.1	199.5	199.9	200.3	200.7	201.1	201.5	201.9	202.3	202.7	203.1	203.5	203.9	204.3	204.7	205.1	205.5	205.9	206.3	206.7	207.1	207.5	207.9	208.3	208.7	209.1	209.5	209.9	210.3	210.7	211.1	211.5	211.9	212.3	212.7	213.1	213.5	213.9	214.3	214.7	215.1	215.5	215.9	216.3	216.7	217.1	217.5	217.9	218.3	218.7	219.1	219.5	219.9	220.3	220.7	221.1	221.5	221.9	222.3	222.7	223.1	223.5	223.9	224.3	224.7	225.1	225.5	225.9	226.3	226.7	227.1	227.5	227.9	228.3	228.7	229.1	229.5	229.9	230.3	230.7	231.1	231.5	231.9	232.3	232.7	233.1	233.5	233.9	234.3	234.7	235.1	235.5	235.9	236.3	236.7	237.1	237.5	237.9	238.3	238.7	239.1	239.5	239.9	240.3	240.7	241.1	241.5	241.9	242.3	242.7	243.1	243.5	243.9	244.3	244.7	245.1	245.5	245.9	246.3	246.7	247.1	247.5	247.9	248.3	248.7	249.1	249.5	249.9	250.3	250.7	251.1	251.5	251.9	252.3	252.7	253.1	253.5	253.9	254.3	254.7	255.1	255.5	255.9	256.3	256.7	257.1	257.5	257.9	258.3	258.7	259.1	259.5	259.9	260.3	260.7	261.1	261.5	261.9	262.3	262.7	263.1	263.5	263.9	264.3	264.7	265.1	265.5	265.9	266.3	266.7	267.1	267.5	267.9	268.3	268.7	269.1	269.5	269.9	270.3	270.7	271.1	271.5	271.9	272.3	272.7	273.1	273.5	273.9	274.3	274.7	275.1	275.5	275.9	276.3	276.7	277.1	277.5	277.9	278.3	278.7	279.1	279.5	279.9	280.3	280.7	281.1	281.5	281.9	282.3	282.7	283.1	283.5	283.9	284.3	284.7	285.1	285.5	285.9	286.3	286.7	287.1	287.5	287.9	288.3	288.7	289.1	289.5	289.9	290.3	290.7	291.1	291.5	291.9	292.3	292.7	293.1	293.5	293.9	294.3	294.7	295.1	295.5	295.9	296.3	296.7	297.1	297.5	297.9	298.3	298.7	299.1	299.5	299.9	300.3	300.7	301.1	301.5	301.9	302.3	302.7	303.1	303.5	303.9	304.3	304.7	305.1	305.5	305.9	306.3	306.7	307.1	307.5	307.9	308.3	308.7	309.1	309.5	309.9	310.3	310.7	311.1	311.5	311.9	312.3	312.7	313.1	313.5	313.9	314.3	314.7	315.1	315.5	315.9	316.3	316.7	317.1	317.5	317.9	318.3	318.7	319.1	319.5	319.9	320.3	320.7	321.1	321.5	321.9	322.3	322.7	323.1	323.5	323.9	324.3	324.7	325.1	325.5	325.9	326.3	326.7	327.1	327.5	327.9	328.3	328.7	329.1	329.5	329.9	330.3	330.7	331.1	331.5	331.9	332.3	332.7	333.1	333.5	333.9	334.3	334.7	335.1	335.5	335.9	336.3	336.7	337.1	337.5	337.9	338.3	338.7	339.1	339.5	339.9	340.3	340.7	341.1	341.5	341.9	342.3	342.7	343.1	343.5	343.9	344.3	344.7	345.1	345.5	345.9	346.3	346.7	347.1	347.5	347.9	348.3	348.7	349.1	349.5	349.9	350.3	350.7	351.1	351.5	351.9	352.3	352.7	353.1	353.5	353.9	354.3	354.7	355.1	355.5	355.9	356.3	356.7	357.1	357.5	357.9	358.3	358.7	359.1	359.5	359.9	360.3	360.7	361.1	361.5	361.9	362.3	362.7	363.1	363.5	363.9	364.3	364.7	365.1	365.5	365.9	366.3	366.7	367.1	367.5	367.9	368.3	368.7	369.1	369.5	369.9	370.3	370.7	371.1	371.5	371.9	372.3	372.7	373.1	373.5	373.9	374.3	374.7	375.1	375.5	375.9	376.3	376.7	377.1	377.5	377.9	378.3	378.7	379.1	379.5	379.9	380.3	380.7	381.1	381.5	381.9	382.3	382.7	383.1	383.5	383.9	384.3