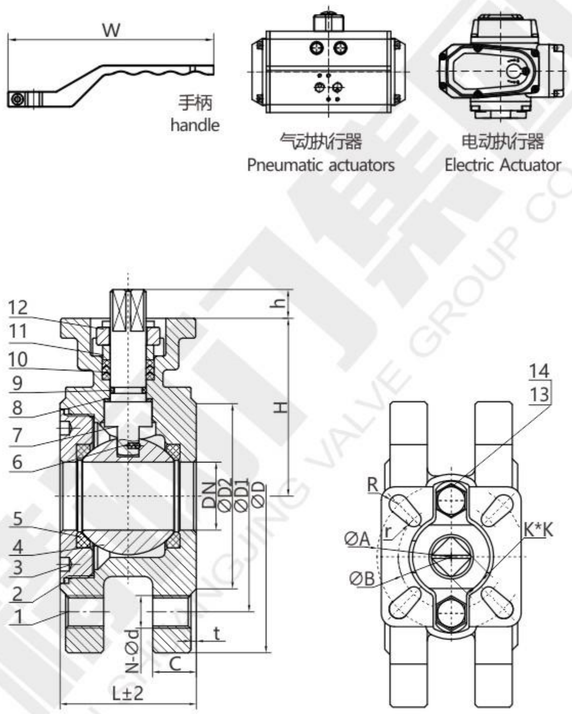


对夹式球阀
Wafer type
ball valve

Q71F-16P

序号 Number	名称 Name	材质 Material		
1	阀体 Body	A351 CF8	A351 CF8M	A216 WC8
2	密封线 Gasmket	PTFE	PTFE	PTFE
3	阀盖 Bonnet	A351 CF8	A351 CF8M	A216 WCB
4	球体 Ball	SS304/SS316	SS316	SS304/SS316
5	阀座 seat	PTFE	PTFE	PTFE
6	防静电装置 Anti static device	SS304	SS316	SS304
7	阀杆 Stem	SS304/SS316	SS316	SS304/SS316
8	减磨垫 Stem Washer	PTFE	PTFE	PTFE
9	O型圈 O-Ring	NBR/VITON	NBR/VITON	NBR/VITON
10	填料 Packing	PTFE	PTFE	PTFE
11	压圈 Pressure ring	SS304	SS304	SS304
12	压板 platen	CF8	CF8	CF8
13	弹垫 spring pad	SS304	SS304	SS304
14	螺母 nut	SS304	SS304	SS304



尺寸 Dimensions

Unit:mm

SIZE	DN	L	D	D1	D2	t	C	N–ϕd	H	h	W	A	B	R	r	K
DN15	15	35	95	65	45	2	16	4-M12	75	8	140	42	36	3	3	9
DN20	20	38	105	75	58	2	16	4-M12	80	8	140	42	36	3	3	9
DN25	25	42	115	85	68	2	16	4-M12	90	11	170	50	42	3.5	3	11
DN32	32	53	135	100	78	2	18	4-M16	103	11	170	50	42	3.5	3	11
DN40	38	63	145	110	88	3	18	4-M16	115	15	200	70	50	4.5	3.5	14
DN50	50	72	160	125	102	3	18	4-M16	120	15	200	70	50	4.5	3.5	14
DN65	65	95	180	145	122	3	18	4-M16	140	18	300	102	70	5.5	4.5	17
DN80	76	118	195	160	138	3	20	8-M16	150	18	300	102	70	5.5	4.5	17
DN100	100	142	215	180	158	3	20	8-M16	170	18	300	102	70	5.5	4.5	17

DISCHARGE VALVE
放料阀





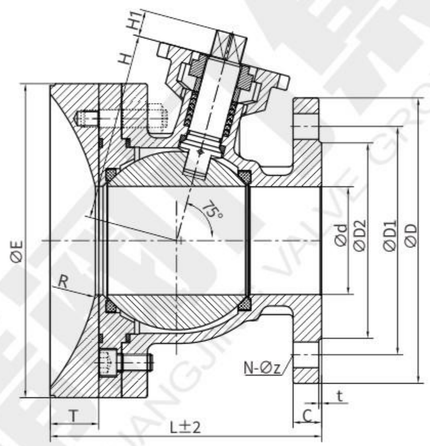
放料阀
Discharge valve

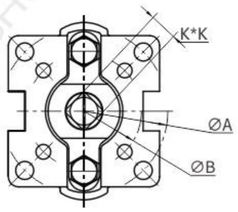
Q21F-16P/40P

技术要求
1.阀门的设计与制造按GB/T 12237的规定。
2.阀门的结构长度按GB/T 12221的规定。
3.阀门的连接法兰按HG/T 20592的规定。
4.阀门的检验与试验按GB/T 26480的规定。

Technical requirements
1. The design and manufacture of the valve are in accordance with the provisions of GB/T 12237.
2. The structural length of the valve is in accordance with the provisions of GB/T 12221.
3. The connecting flange of the valve is in accordance with the regulations of HG/T 20592.
4. The inspection and test of the valve shall be in accordance with the provisions of GB/T 26480.

序号 Number	零件名称 Name	材质 Material	
1	阀体 valve body	A351 CF8M	A351 CF8
2	内六角螺栓 Hexagon socket head bolt	A193 2H	A193 2H
3	圆弧（焊接）阀盖 Arc (Welded) Bonnet	F316	F304
4	密封线 sealing line	PTFE/PPL	PTFE/PPL
5	阀盖 cap	F316	F304
6	密封圈 sealing ring	PTFE/PPL	PTFE/PPL
7	球体 sphere	F316	F304
8	阀杆 stem	F316	F304
9	止推垫 thrust pad	PTFE/PPL	PTFE/PPL
10	O型圈 O-ring	VITON	VITON
11	填料 filler	PTFE/PPL	PTFE/PPL
12	压盖 gland	A351 CF8	A351 CF8
13	六角头螺栓 Hexagon head bolts	A193 2H	A193 2H
14	螺母 nut	A194-8	A194-8





尺寸 Dimensions Unit:mm

DN	L	D	D1	D2	C	t	N–ϕz	T	E	R	A	B	H	H1	K*K
50	140	165	125	100	20	2	4-ϕ18	19.5	160	150	70	50	112	15	14
65	160	185	145	120	20	2	4-ϕ18	23.5	178	150	102	70	130	18	17
80	175	200	160	135	20	2	8-ϕ18	26.5	195	160	102	70	140	18	17
100	215	220	180	155	22	2	8-ϕ18	29.5	230	185	125	102	155	23	22
125	245	250	210	188	22	3	8-ϕ18	32	276	300	125	102	186	23	22
150	325	285	240	212	24	3	8-ϕ22	35	327	350	125	102	208	28	27

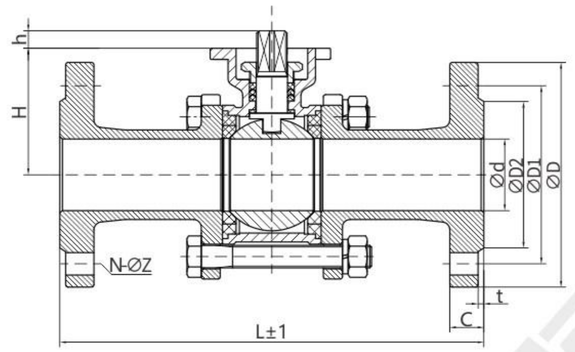


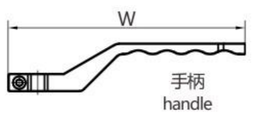
三片式高平台法兰球阀
3PC-High Platform Flanged Ball Valve

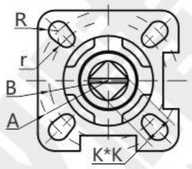
3PC-Q41F-1000

技术要求
1.阀门的设计与制造按ANSI/ASME B16.34的规定。
2.阀门的连接法兰按JB/T79. ASME B16.5的规定。
3.阀门的检验与试验按API 598的规定。

Technical requirements
1. The design and manufacture of the valve are in accordance with the regulations of ANSI/ASME B16.34.
2. The connecting flange of the valve shall comply with the regulations of JB/T79. ASME B16.5.
3. The inspection and test of the valve shall be in accordance with the provisions of API 598.







性能规范 Performance Specifications

公称压力 Nominal pressure		1000 PSI	
试验压力 Test pressure	强度试验 Strength test	10.4	Mpa
	高压密封试验 High pressure sealing test	7.6	
	低压密封试验 Low pressure sealing test	0.6	
适用介质：水 油 气品等 Applicable medium: water, oil, gas, etc.			
适用温度 Applicable temperature	-29~+120	℃	

尺寸 Dimensions Unit:mm

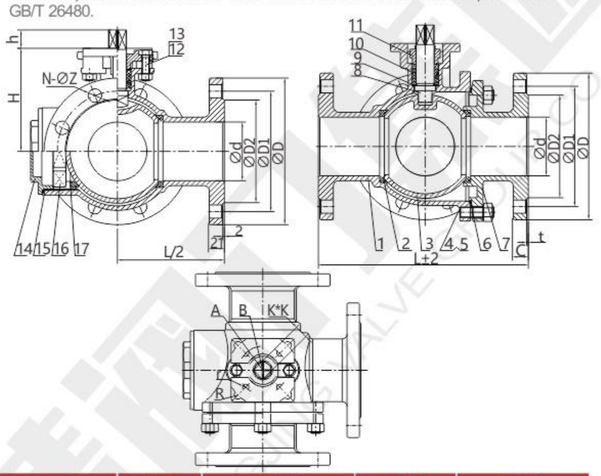
DN	d	L	D	D1	D2	C	t	N–ϕz	H	W	A	B	R	r	K*K	h
15	15	125	95	65	45	12	2	4-ϕ14	37	140	50	42	3.5	3	9*9	10
20	20	150	105	75	55	12	2	4-ϕ14	45	140	50	42	3.5	3	9*9	10
25	25	155	115	85	65	12	2	4-ϕ14	55	170	50	42	3.5	3	11*11	12
32	32	175	135	100	78	15	2	4-ϕ18	60	170	50	42	3.5	3	11*11	12
40	38	195	145	110	85	15	2	4-ϕ18	70	200	70	50	4.5	3.5	14*14	15
50	50	225	160	125	100	16	2	4-ϕ18	77	200	70	50	4.5	3.5	14*14	15
65	65	290	180	145	120	18	3	4-ϕ18	98	300	102	70	5.5	4.5	17*17	18
80	76	300	195	160	135	18	3	8-ϕ18	112	300	102	70	5.5	4.5	17*17	18
100	100	345	215	180	155	20	3	8-ϕ18	140	300	102	70	5.5	4.5	19*19	18

高平台 T型三通球阀
Mechanical Department High Platform
T-type three-way ball valve

Q45F-16P

技术要求
1.阀门的设计与制造按GB/T 12237的规定。
2.阀门的结构长度按GB/T 12221的规定。
3.阀门的连接法兰按JB/T79.的规定。
4.阀门的检验与试验按GB/T 26480的规定。

Technical requirements
1. The design and manufacture of the valve are in accordance with the provisions of GB/T 12237.
2. The structural length of the valve is in accordance with the provisions of GB/T 12221.
3. The connecting flange of the valve shall comply with the regulations of JB/T79.
4. The inspection and test of the valve shall be in accordance with the provisions of GB/T 26480.

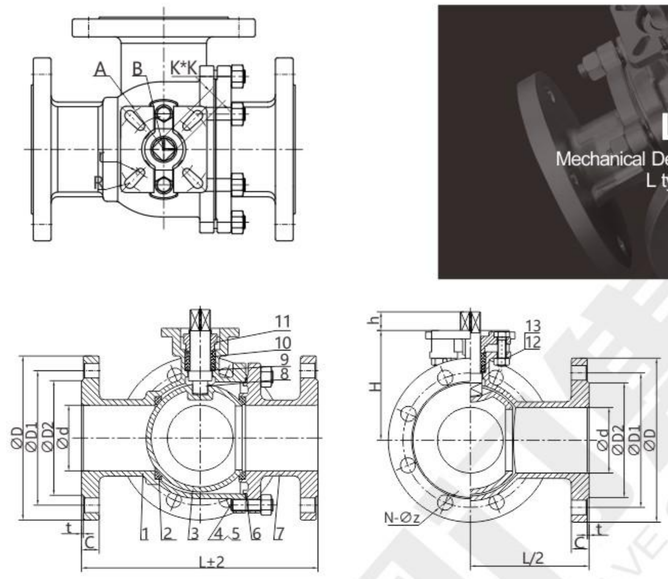


性能规范 Performance Specifications								
公称压力 Nominal pressure			PN16					
公称通径 Nominal diameter			DN15-200					
试验压力 Test pressure	强度试验 Strength test	2.4	Mpa	试验介质 Test medium	水 Water	试验温度 Test temperature	常温 Normal Temperature	
	密封试验 Seal test	1.8						
	气密封试验 Air tightness test	0.6			空气 Air			
适用介质 Applicable media	水、油品等 water oil etc							
最高工作温度 Maximum operating temperature	-29~120℃							

序号 Number	代号 Code	名称 Name	数量 Quantity	材料 Material	重量 Weight		备注 Remark
					单件	总计	
1	Q45F-16P-05	阀体 valve body	1	A351 CF8 /CF8M			
2	Q45F-16P-15	密封圈 sealing ring	3	PTFE/RPTFE			定制件 Customized parts
3	Q45F-16P-10	球体 sphere	1	SS304/SS316			
4	GB/T 901-1988	双头螺栓 Stud bolt	6	SS304			标准件 Standard Parts
5	GB/T 6170-2000	螺母 Nut	6	SS304			标准件 Standard Parts
6	Q45F-16P-02	密封线 sealing line	1	PTFE/RPTFE			定制件 Customized parts
7	Q45F-16P-01	阀盖 cap	1	A351 CF8 /CF8M			
8	Q45F-16P-03	阀杆 stem	1	SS304 /SS316			定制件 Customized parts
9	Q44F-16P-08	防飞垫片 Anti-flying gasket	1	F304			借用件 Borrow Piece
10	Q44F-16P-07	填料 filler	1组	PTFE/RPTFE			
11	Q44F-16P-09	压盖 gland	1	A351 CF8			
12	GB/T 5780-2000	六角头螺栓 Hexagon head bolt	2	SS304			标准件 Standard Parts
13	GB/T 6170-2000	螺母 Nut M10	2	SS304			标准件 Standard Parts
14	Q45F-16P-12	后盖 back cover	1	A351 CF8			
15	Q45F-16P-02	密封线 sealing line	1	PTFE/RPTFE			定制件 Customized parts
16	Q44F-16P-09	阀座环 seat ring	1	A351 CF8			
17	Q45F-16P-15	密封圈 sealing ring	1	PTFE/RPTFE			定制件 Customized parts

高平台 L型三通球阀
Mechanical Department High Platform
L type three-way ball valve

Q44F-16P



尺寸 Dimensions (化工部 Ministry of Chemical Industry)

SIZE	d	D	D1	D2	C	t	L	H	A	B	R	r	K*K	h	N-φz
1"	25	115	85	65	18	2	180	70	70	/	3.5	/	11*11	12	4-φ14
1¼"	32	140	100	78	18	2	200	80	70	/	4.5	/	11*11	12	4-φ18
1½"	40	150	110	85	18	3	220	85	70	50	4.5	3.5	14*14	15	4-φ18
2"	50	165	125	100	18	3	240	100	70	/	4.5	/	17*17	18	4-φ18
2½"	65	185	145	120	18	3	260	110	102	70	5.5	4.5	17*17	18	6-φ18
3"	80	200	160	135	20	3	280	135	102	70	5.5	4.5	19*19	20	8-φ18
4"	100	220	180	155	20	3	320	150	102	70	5.5	4.5	22*22	23	8-φ18

尺寸 Dimensions (机械部 Machinery Department) Unit:mm

SIZE	d	D	D1	D2	C	t	L	H	A	B	R	r	K*K	h	N-φz
1"	25	115	85	65	14	2	180	62	70	/	3.5	/	11*11	12	4-φ14
1¼"	32	135	100	78	16	2	200	72	70	/	4.5	/	11*11	12	4-φ18
1½"	40	145	110	85	16	3	220	78	70	/	4.5	/	14*14	15	4-φ18
2"	50	160	125	100	16	3	240	86	70	/	4.5	/	17*17	18	4-φ18
2½"	65	180	145	120	18	3	260	102	102	70	5.5	4.5	17*17	18	4-φ18
3"	80	195	160	135	20	3	280	115	102	70	5.5	4.5	19*19	20	8-φ18
4"	100	215	180	155	20	3	320	137	102	70	5.5	4.5	22*22	23	8-φ18



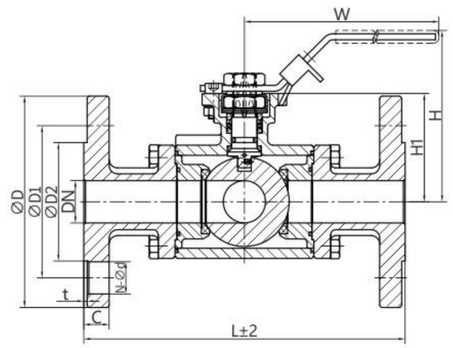
三通/四通球阀
Three/four-way ball valve

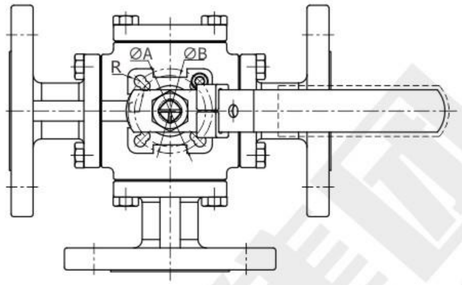
Q44F/Q45F-16P
Q44F/Q45F-150LB
Q44F/Q45F-10K

标准/STANDARDS:
设计标准/Design:ANSI B16.34,API608。
壁厚标准/Wakk Thickness:ANSI B16.34,EN1256-3。
螺纹标准/Pipe Thread:ANSI B1.20.1;BS21;DIN 2999/259;ISO 288/1;ISO7/1;JIS B0203。
承插焊标准/ASME B16.10。
对焊端标准/ASME B16.25/ISO1127/EN12627。
法兰端标准/ASME B16.5 CLASS 150/300;
EN1092-1(HG20592 GB/T9113) PN10-PN40;
JIS B2238 10K/20K。
检测标准/Inspection&Testing:API 598;EN12266。

明细表
Materials list

NO	名称 Part name	材质表 Material		
1	阀盖 Bonnet	A351 CF8	A351 CF8M	A216 WCB
2	密封线一 Gasket一	PTFE/RPTFE		
3	密封环 Seat shelf	A351 CF8	A351 CF8M	A216 WCB
4	球体 Ball	SUS304/SUS316		
5	阀体 Body	A351 CF8	A351 CF8M	A216 WCB
6	密封圈 Seat	PTFE/RPTFE/PPL/PEEK		
7	密封线二 Gasket二	PTFE/RPTFE		
8	螺栓 Bolt	SUS304		
9	防静电弹簧 Anti static decice	SUS304		
10	阀杆 Stem	SUS304/SUS316		
11	减磨垫 Stem washer	PTFE/RPTFE		
12	O型圈 O-ring	FKM/VITON		
13	V型填料 V-ring packing	PTFE/RPEFE		
14	压盖 Gland	SUS304		
15	碟簧 Spring	SUS301		
16	定位螺钉 Stop bolt	SUS304		
17	阀杆螺母 Stem nut	SUS304		
18	防松盖 Stop lock cap	SUS304		
19	垫片 Washer	SUS304		
20	手柄 Handle	SUS304		
21	封盖 Capping	A351 CF8	A351 CF8M	A216 WCB





尺寸 Dimensions (国标三通、四通法兰球阀/National standard three-way, four-way flange ball valve) Unit:mm

SIZE	DN	L	D	D1	D2	t	C	N–φd	H	H1	W	A	B	R	r
DN15	15	152	95	65	45	2	16	4-φ14	75	44	134	42	36	3	3
DN20	20	167	105	75	55	2	18	4-φ14	90	56.5	134	50	42	3.5	3
DN25	25	190	115	85	65	2	18	4-φ14	102	64	170	50	42	3.5	3
DN32	32	208	140	100	78	2	18	4-φ18	124	78	215	70	50	4.5	3.5
DN40	38	230	150	110	85	3	18	4-φ18	150	96	300	102	70	6	5
DN50	50	254	165	125	100	3	20	4-φ18	158	100	300	102	70	6	5

尺寸 Dimensions (美标三通、四通法兰球阀/American standard three-way, four-way flanged ball valve) Unit:mm

SIZE	DN	L	D	D1	D2	t	C	N–φd	H	H1	W	A	B	R	r
1/2"	15	152	90	60.5	35	2	10	4-φ16	75	44	134	42	36	3	3
3/4"	20	167	100	70	43	2	11	4-φ16	90	56.5	134	50	42	3.5	3
1"	25	190	110	79.5	51	2	12	4-φ16	102	64	170	50	42	3.5	3
1¼"	32	208	115	89	63.5	2	13	4-φ16	124	78	215	70	50	4.5	3.5
1½"	38	230	125	98.5	73	2	15	4-φ16	150	96	300	102	70	6	5
2	50	254	150	120.5	92	2	16	4-φ19	158	100	300	102	70	6	5

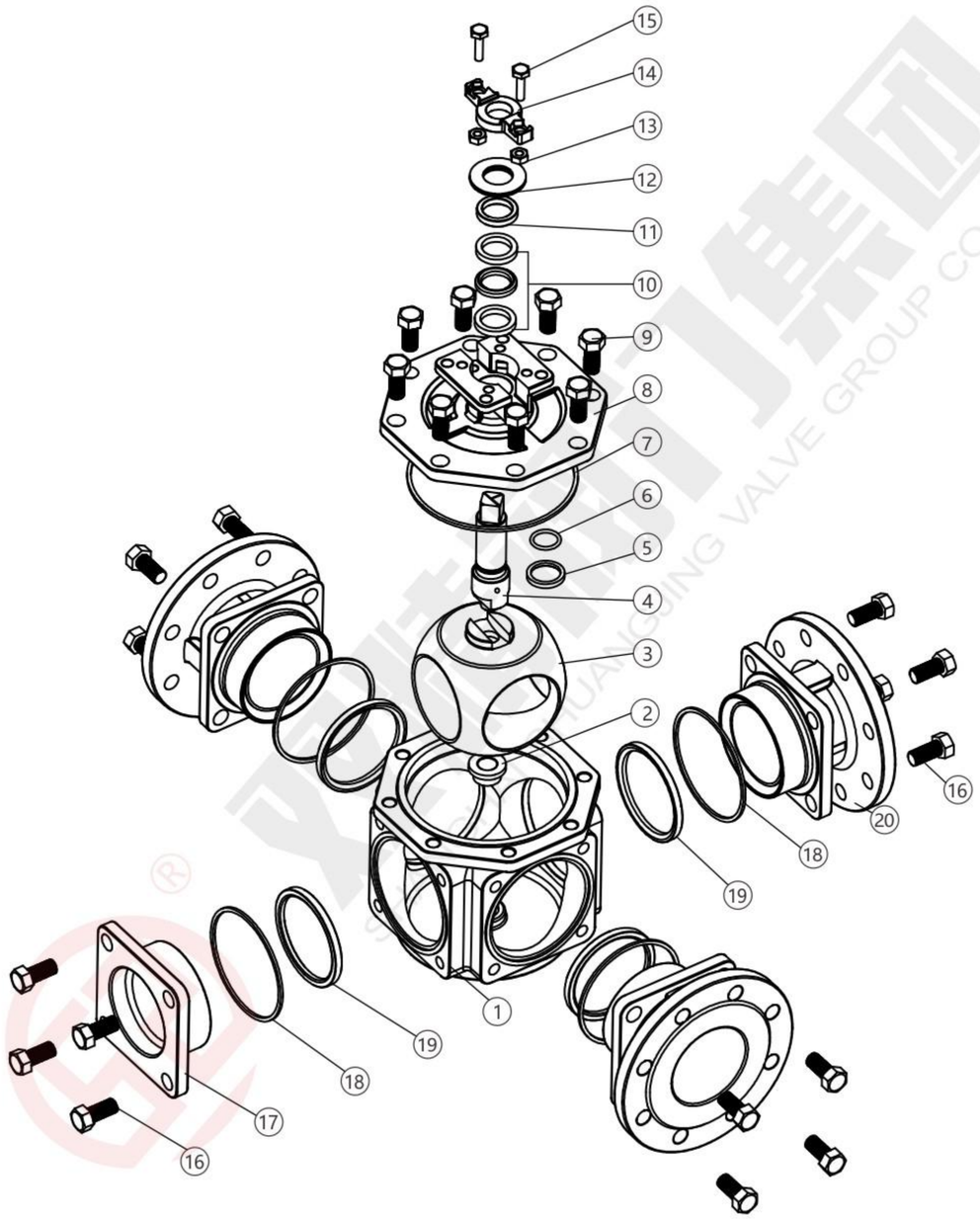
尺寸 Dimensions (日标三通、四通法兰球阀/Japanese standard three-way, four-way flange ball valve) Unit:mm

SIZE	DN	L	D	D1	D2	t	C	N–φd	H	H1	W	A	B	R	r
1/2"	15	152	95	70	52	1	12	4-φ15	75	44	134	42	36	3	3
3/4"	20	167	100	75	58	1	14	4-φ15	90	56.5	134	50	42	3.5	3
1"	25	190	125	90	70	1	14	4-φ19	102	64	170	50	42	3.5	3
1¼"	32	208	135	100	80	2	16	4-φ19	124	78	215	70	50	4.5	3.5
1½"	38	230	140	105	85	2	16	4-φ19	150	96	300	102	70	6	5
2	50	257	155	120	100	2	16	4-φ19	158	100	300	102	70	6	5

三通/四通球阀
Three/four-way
ball valve

Q44F/Q45F-16P

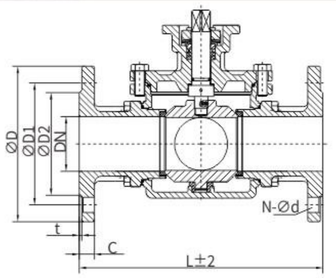
序号 Number	名称 Name	材质表 Material		
1	阀体 Body	A351 CF8	A351 CF8M	A216 WCB
2	轴套 Bearing	TFM1600	TFM1600	TFM1600
3	球体 Ball	SS304	SS316	SS304
4	阀杆 Stem	SS304	SS316	SS304
5	阀杆填料 StemWasher	TFM1600	TFM1600	TFM1600
6	O型圈 O-Ring	VITON（KFM)	VITON(KFM)	VITON(KFM)
7	密封线 Gasket	TFM1600	TFM1600	TFM1600
8	平台支架 Bracket	A351 CF8	A351 CF8M	A216 WCB
9	螺栓 Bolt	SS304	SS304	SS304
10	V型填料 V-Ring Packing	TFM1600	TFM1600	TFM1600
11	压盖 Gland	SS304	SS304	SS304
12	蝶簧 Belleville Washer	SS301	SS301	SS301
13	螺母 Nut	SS304	SS304	SS304
14	压板 Gland Flange	A351 CF8	A351 CF8M	A216 WCB
15	螺栓 Bolt	SS304	SS304	SS304
16	螺栓 Bolt	SS304	SS304	SS304
17	阀盖 Cap	A351 CF8	A351 CF8M	A216 WCB
18	密封线 Gasket	TFM1600	TFM1600	TFM1600
19	阀座 Seat	TFM1600	TFM1600	TFM1600
20	阀盖 Cap	A351 CF8	A351 CF8M	A216 WCB

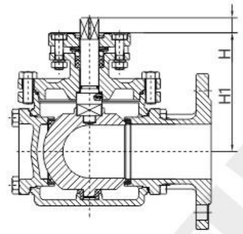


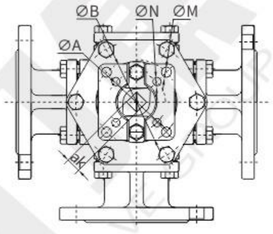
三通/四通球阀
Three/four-way ball valve

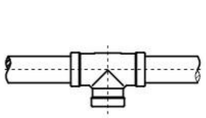
Q44F/Q45F-16P

标准/STANDARDS:
设计标准/Design DIN 3357,ANSI B16.34,BS5351
结构长度/Face to face：企业标准
法兰标准/End：DIN 2633,(HG20592,GB/9113)PN10-PN40
ANSI B16.5 CLASS 150/300
检测标准/Testing：API 598,EN12266
平台标准/Mounting pad：ISO 5211

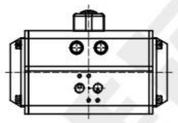




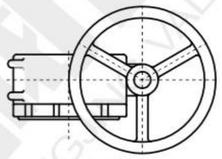




手柄/Handle

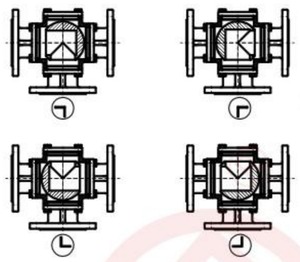


执行器/Actuators

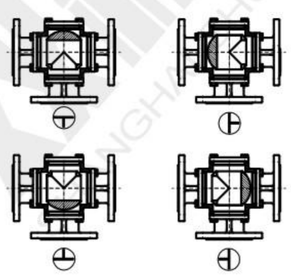


蜗轮/Worm drive

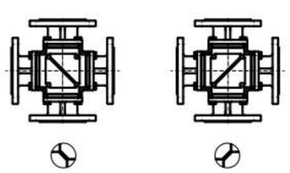
3-Way L-Port



3-Way T-Port



4-Way X-Port



尺寸 Dimensions Unit:mm

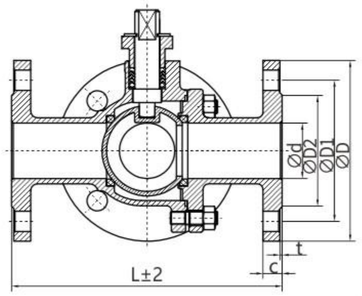
SIZE	DN	D	D1	D2	t	C	N–φd	L	L1	H	H1	K	A	B	M	N
2½"	64	185	145	122	3	18	4-φ18	290	145	18	135	17	70	102	12	10
3"	76	200	160	138	3	20	8-φ18	310	155	18	140	17	70	102	12	10
4"	96	220	180	158	3	20	8-φ18	352	176	22	175	22	102	125	14	12
5"	122	250	210	188	3	22	8-φ18	420	210	27	203	22	102	125	14	12
6"	147	285	240	212	3	22	8-φ22	510	255	36	260	27	140	125	18	16

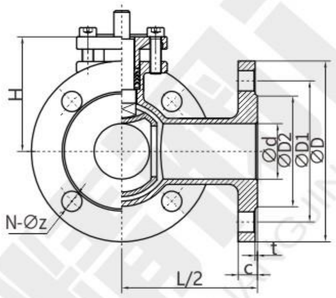
技术要求
1.阀门的设计与制造按GB/T 12237的规定。
2.阀门的结构长度按GB/T 12221的规定。
3.阀门的连接法兰按JB/T79.的规定。
4.阀门的检验与试验按GB/T 26480的规定。

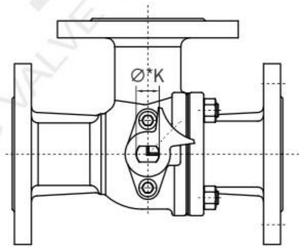
Technical requirements
1. The design and manufacture of the valve are in accordance with the provisions of GB/T 12237.
2. The structural length of the valve is in accordance with the provisions of GB/T 12221.
3. The connecting flange of the valve shall comply with the regulations of JB/T79.
4. The inspection and test of the valve shall be in accordance with the provisions of GB/T 26480.

手动三通法兰球阀
Manual 3-Way Flanged Ball Valve

Q44F-16P







性能规范
Performance Specifications

公称压力 Nominal pressure				PN16			
公称通径 Nominal diameter				DN25-100			
试验压力 Test pressure	强度试验 Strength test	2.4	Mpa	试验介质 Test medium	水 Water	试验温度 Test temperature	常温 Normal Temperature
	密封试验 Seal test	1.8					
	气密封试验 Air tightness test	0.6			空气 Air		
适用介质 Applicable media		水、油品等 water oil etc					
最高工作温度 Maximum operating temperature		-29~120℃					



手动三通法兰球阀
Manual Three-Way Flanged Ball Valve

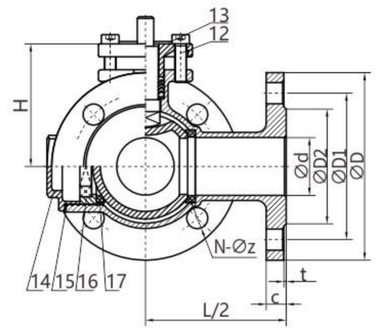
Q45F-16P

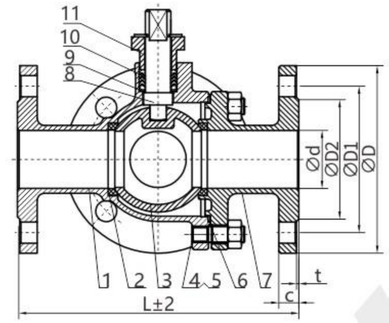
技术要求
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3.阀门的连接法兰按JB/T79.的规定。
4.阀门的检验与试验按GB/T 26480的规定。

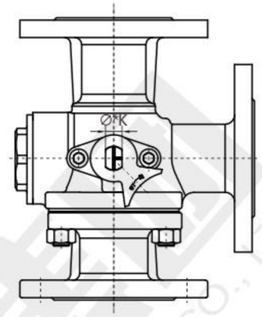
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性能规范 Performance Specifications							
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	密封试验 Seal test	1.8					
	气密封试验 Air tightness test	0.6			空气 Air		
适用介质 Applicable media		水、油品等 water oil etc					
最高工作温度 Maximum operating temperature		-29~120℃					

序号 Number	代号 Code	名称 Name	数量 Quantity	材料 Material	重量 Weight		备注 Remark
					单件 single piece	总计 total	
1	Q45F-16P-05	阀体 valve body	1	A351 CF8 /CF8M			
2	Q45F-16P-15	密封圈 sealing ring	3	PTFE/RPTFE			定制件 Customized parts
3	Q45F-16P-10	球体 sphere	1	SS304/SS316			
4	GB/T 901-1988	双头螺栓 Stud	6	SS304			标准件 Standard Parts
5	GB/T 6170-2000	螺母 nut	6	SS304			标准件 Standard Parts
6	Q45F-16P-02	密封线 sealing line	1	PTFE/RPTFE			定制件 Customized parts
7	Q45F-16P-01	阀盖 cap	1	A351 CF8 /CF8M			
8	Q45F-16P-03	阀杆 stem	1	SS304 /SS316			定制件 Customized parts
9	Q44F-16P-08	防飞垫片 Anti-flying gasket	1	F304			借用件 Borrow Piece
10	Q44F-16P-07	填料 filler	1组	PTFE/RPTFE			
11	Q44F-16P-09	压盖 gland	1	A351 CF8			
12	GB/T 5780-2000	内六角头螺栓 Hexagon socket head bolt	2	SS304			标准件 Standard Parts
13	Q45F-16P-17	定位锁块 positioning lock block	1	SS304			标准件 Standard Parts
14	Q45F-16P-12	后盖 back cover	1	A351 CF8			
15	Q45F-16P-02	密封线 sealing line	1	PTFE/RPTFE			定制件 Customized parts
16	Q44F-16P-09	阀座环 seat ring	1	A351 CF8			
17	Q45F-16P-15	密封圈 sealing ring	1	PTFE/RPTFE			定制件 Customized parts







尺寸 Dimensions（机械部 Machinery Department） Unit:mm

SIZE	d	D	D1	D2	C	t	L	H	ϕ*K	N–ϕz
1"	25	115	85	65	14	2	180	72	14*9	4-ϕ14
1¼"	32	135	100	78	16	2	200	85	18*12	4-ϕ18
1½"	40	145	110	85	16	3	220	90	18*12	4-ϕ18
2"	50	160	125	100	16	3	240	105	22*14	4-ϕ18
2½"	65	180	145	120	18	3	260	112	22*15	4-ϕ18
3"	80	195	160	135	20	3	280	125	24*16	8-ϕ18
4"	100	215	180	155	20	3	320	155	28*17	8-ϕ18

尺寸 Dimensions（化工部 Ministry of Chemical Industry）

SIZE	d	D	D1	D2	C	t	L	H	ϕ*K	N–ϕz
1"	25	115	85	65	18	2	180	72	14*9	4-ϕ14
1¼"	32	140	100	78	18	2	200	85	18*12	4-ϕ18
1½"	40	150	110	85	18	3	220	90	18*12	4-ϕ18
2"	50	165	125	100	18	3	240	105	22*14	4-ϕ18
2½"	65	185	145	120	18	3	260	112	22*15	6-ϕ18
3"	80	200	160	135	20	3	280	130	24*16	8-ϕ18
4"	100	220	180	155	20	3	320	155	28*17	8-ϕ18