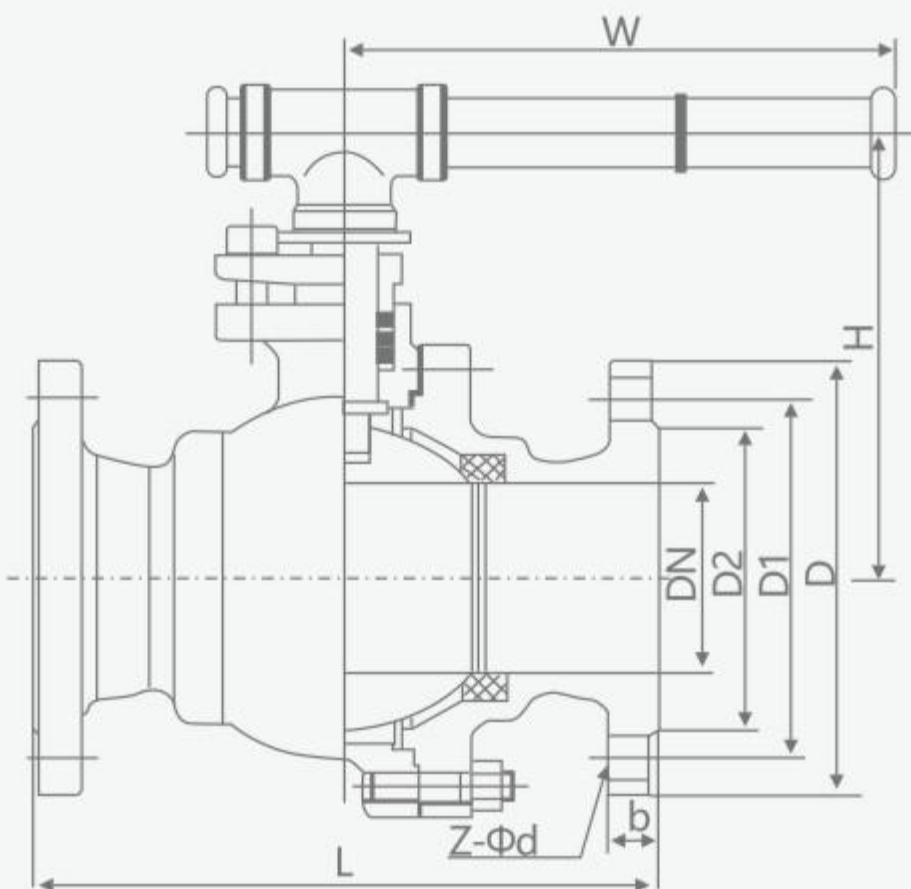
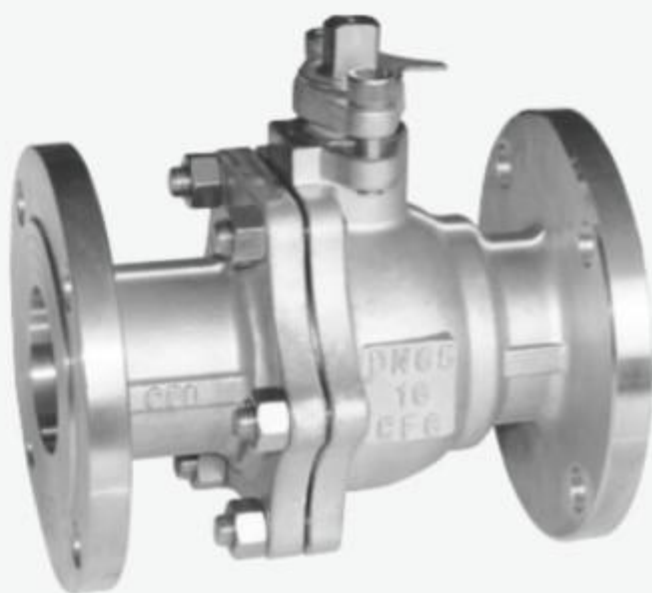


GB Flange Ball Valve
国标法兰球阀

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标准

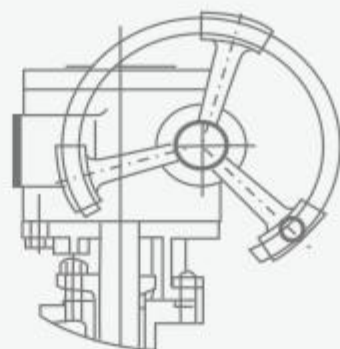
设计与制造按GB/T12237
结构长度按GB/T12221
法兰连接尺寸按JB/T79
检验按JB/T9092

STANDARDS

Design and manufacture as GB/T12237
Face to face dimensions as GB/T12221
End flange dimension as JB/T79
Pressure test as JB/T9092



防火结构
Fire safe design



蜗轮转动
Worm gear operation

试验压力 Test Pressure

试验项目 Test Item		壳体试验 Shell Test	密封试验 Seal Test	气密封试验 Air Seal Test
介质 Medium		水 Water		气 Air
单位 Unit		MPa	MPa	MPa
公称压力 Nominal Pressure PN(MPa)	1.6	2.4	1.8	0.5~0.7
	2.5	3.8	2.8	
	4.0	6.0	4.4	
	6.4	9.6	7.0	
	10.0	15.0	11.0	
	16.0	24.0	18.0	

主要零件材料 Materials for Main Parts

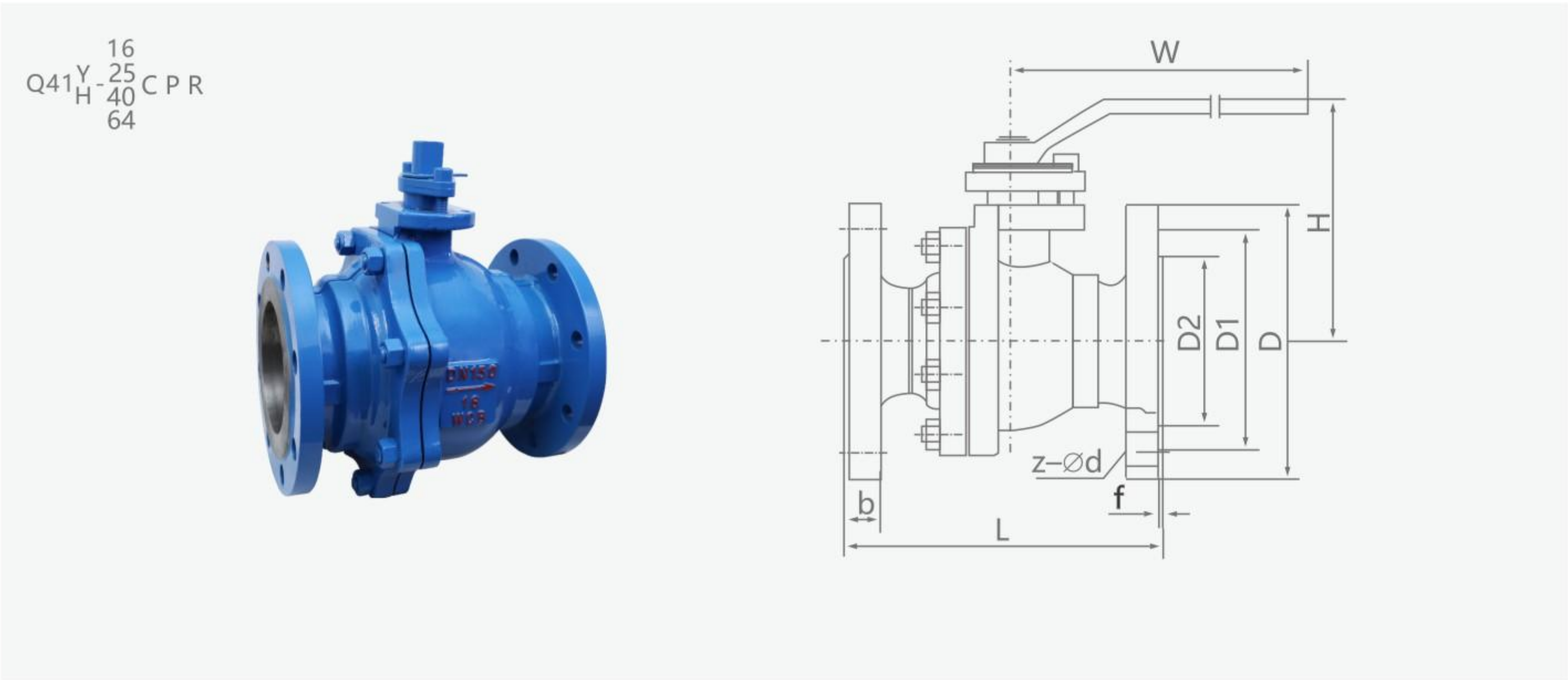
名称 Name	材料 Material								
阀体/阀盖Body/Bonnet	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
球体Ball	CF8	CF3	CF8M	CF3M	WCB Hcr	CF8	CF8	CF8	CF8
阀杆Stem	F304	F304L	F316	F316L	2CR13	F304	F304	F304	F304
阀座Seat	PTFE/PPL								
填料/垫片Packing/Gasket	PTFF					石墨Graphite			
螺栓Bolt	不锈钢Stainless Steel					35CrMoA			
螺母Nut	不锈钢Stainless Steel					45、35CrMoA			
手柄Handle	铸钢Cast Steel								

主要连接尺寸 Main Connection Dimensions

型号 Type	公称通径 DN(mm)	尺寸 Dimension(mm)								
		L	D	D ₁	D ₂	D ₆	b-f	z-Φd	H	W
Q41Y -16 Q341Y -16 Q641Y -16	15	130	95	65	45		14-2	4-Φ14	65	115
	20	140	105	75	55		14-2	4-Φ14	75	130
	25	150	115	85	65		14-2	4-Φ14	85	150
	32	165	135	100	78		16-2	4-Φ18	95	190
	40	180	145	110	85		16-3	4-Φ18	105	230
	50	200	160	125	100		16-3	4-Φ18	115	240
	65	220	180	145	120		18-3	4-Φ18	145	280
	80	250	195	160	135		20-3	8-Φ18	160	310
	100	280	215	180	155		20-3	8-Φ18	185	330
	125	320	245	210	185		22-3	8-Φ18	215	600
	150	360	280	240	210		24-3	8-Φ23	245	800
	200	400	335	295	265		26-3	12-Φ23	300	1000
	250	450	405	355	320		30-3	12-Φ25	380	1200
Q41Y -25 Q341Y -25 Q641Y -25	15	130	95	65	45		14-2	4-Φ14	65	115
	20	140	105	75	55		14-2	4-Φ14	75	130
	25	150	115	85	65		14-2	4-Φ14	85	150
	32	165	135	100	78		16-2	4-Φ18	95	190
	40	180	145	110	85		18-3	4-Φ18	105	230
	50	200	160	125	100		20-3	4-Φ18	115	240
	65	220	180	145	120		22-3	8-Φ18	145	280
	80	250	195	160	135		22-3	8-Φ18	160	310
	100	280	230	190	160		24-3	8-Φ23	185	330
	125	320	270	220	188		28-3	8-Φ25	215	600
	150	360	300	250	218		30-3	8-Φ25	245	800
	200	400	360	310	278		34-3	12-Φ25	300	1000
	250	450	425	370	332		36-3	12-Φ30	380	1200
Q41Y -40 Q341Y -40 Q641Y -40	15	130	95	65	45	40	16-2	4-Φ14	70	115
	20	140	105	75	55	51	16-2	4-Φ14	80	130
	25	150	115	85	65	58	16-2	4-Φ14	90	150
	32	180	135	100	78	66	18-3	4-Φ18	100	190
	40	200	145	110	85	76	18-3	4-Φ18	110	230
	50	220	160	125	100	88	20-3	4-Φ18	120	240
	65	250	180	145	120	110	22-3	8-Φ18	150	280
	80	280	195	160	135	121	22-3	8-Φ18	170	310
	100	320	230	190	160	150	24-3	8-Φ23	190	330
	125	360	270	220	188	176	28-3	8-Φ25	220	600
	150	400	300	250	218	204	30-3	8-Φ25	250	800
	200	550	375	320	282	260	38-3	12-Φ30	390	1200
Q41Y -64 Q341Y -64 Q641Y -64	15	140	105	75	55	40	18-2	4-Φ14	75	115
	20	160	125	90	68	51	20-2	4-Φ18	85	130
	25	180	135	100	78	58	22-2	4-Φ18	95	150
	32	200	150	110	82	66	24-2	4-Φ23	105	190
	40	220	165	125	95	76	24-3	4-Φ23	120	230
	50	250	175	135	105	88	26-3	4-Φ23	130	240
	65	280	200	160	130	110	28-3	8-Φ23	160	280
	80	320	210	170	140	121	30-3	8-Φ23	180	310
	100	360	250	200	168	150	32-3	8-Φ25	200	330
	125	381	295	240	202	176	36-3	8-Φ30	230	600
	150	403	340	280	240	204	38-3	8-Φ34	260	800
	200	502	405	345	300	260	44-3	12-Φ34	400	1200

Hard Sealed Ball Valve
硬密封球阀

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标准

设计与制造按GB/T12237
结构长度按GB/T12221
法兰连接尺寸按JB/T79
检验按JB/T9092

STANDARDS

Design and manufacture as GB/T12237
Face to face dimensions as GB/T12221
End flange dimension as JB/T79
Pressure test as JB/T9092

试验压力 Test Pressure

试验项目 Test Item		壳体试验 Shell Test	密封试验 Seal Test	上密封试验 Back Seal Test	气密封试验 Air Seal Test
介质 Medium		水 Water			气 Air
单位 Unit		MPa	MPa	MPa	MPa
公称压力 Nominal Pressure PN(MPa)	1.6	2.4	1.8	1.8	0.5~0.7
	2.5	3.8	2.8	2.8	
	4.0	6.0	4.4	4.4	
	6.4	9.6	7.0	7.0	
	10.0	15.0	11.0	11.0	
	16.0	24.0	18.0	18.0	

主要零件材料 Materials for Main Parts

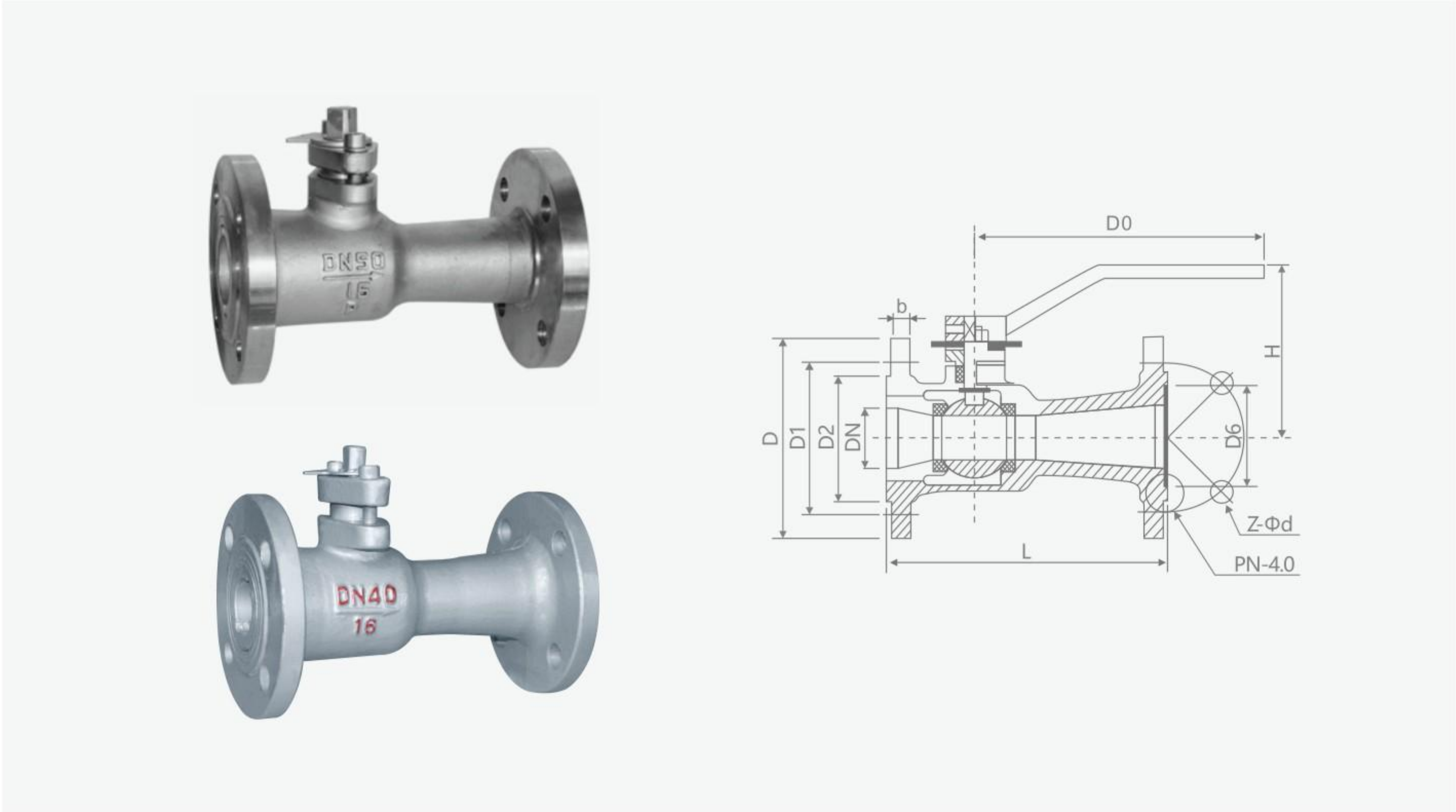
名称 Name	材料 Material								
阀体/阀盖 Body/Bonnet	WCB	CF3	CF8M	CF3M	CF8	LCB	WC6	WC9	C5
球体 Ball	WCB Hcr	CF3	CF8M	CF3M	CF8	CF8	CF8	CF8	CF8
阀杆 Stem	2CR13	F304L	F316	F316L	F304	F304	F304	F304	F304
阀座 Seat	PTFE/PPL								
填料/垫片 Packing/Gasket	PTFF					石墨 Graphite			
螺栓 Bolt	不锈钢 Stainless Steel					35CrMoA			
螺母 Nut	不锈钢 Stainless Steel					45、35CrMoA			
手柄 Handle	铸钢 Cast Steel								

主要连接尺寸 Main Connection Dimensions

型号 Type	公称通径 DN(mm)	尺寸 Dimension(mm)								
		L	D	D1	D2	D6	b-f	z-Φd	H	W
Q41Y -16 F H Q341Y -16 F H Q641Y -16 F H	15	130	95	65	45		14-2	4-Φ14	65	115
	20	140	105	75	55		14-2	4-Φ14	75	130
	25	150	115	85	65		14-2	4-Φ14	85	150
	32	165	135	100	78		16-2	4-Φ18	95	190
	40	180	145	110	85		16-3	4-Φ18	105	230
	50	200	160	125	100		16-3	4-Φ18	115	240
	65	220	180	145	120		18-3	4-Φ18	145	280
	80	250	195	160	135		20-3	8-Φ18	160	310
	100	280	215	180	155		20-3	8-Φ18	185	330
	125	320	245	210	185		22-3	8-Φ18	215	600
	150	360	280	240	210		24-3	8-Φ23	245	800
	200	400	335	295	265		26-3	12-Φ23	300	1000
	250	450	405	355	320		30-3	12-Φ25	380	1200
Q41Y -25 F H Q341Y -25 F H Q641Y -25 F H	15	130	95	65	45		14-2	4-Φ14	65	115
	20	140	105	75	55		14-2	4-Φ14	75	130
	25	150	115	85	65		14-2	4-Φ14	85	150
	32	165	135	100	78		16-2	4-Φ18	95	190
	40	180	145	110	85		18-3	4-Φ18	105	230
	50	200	160	125	100		20-3	4-Φ18	115	240
	65	220	180	145	120		22-3	8-Φ18	145	280
	80	250	195	160	135		22-3	8-Φ18	160	310
	100	280	230	190	160		24-3	8-Φ23	185	330
	125	320	270	220	188		28-3	8-Φ25	215	600
	150	360	300	250	218		30-3	8-Φ25	245	800
	200	400	360	310	278		34-3	12-Φ25	300	1000
	250	450	425	370	332		36-3	12-Φ30	380	1200
Q41Y -40 F H Q341Y -40 F H Q641Y -40 F H	15	130	95	65	45	40	16-2	4-Φ14	70	115
	20	140	105	75	55	51	16-2	4-Φ14	80	130
	25	150	115	85	65	58	16-2	4-Φ14	90	150
	32	180	135	100	78	66	18-3	4-Φ18	100	190
	40	200	145	110	85	76	18-3	4-Φ18	110	230
	50	220	160	125	100	88	20-3	4-Φ18	120	240
	65	250	180	145	120	110	22-3	8-Φ18	150	280
	80	280	195	160	135	121	22-3	8-Φ18	170	310
	100	320	230	190	160	150	24-3	8-Φ23	190	330
	125	360	270	220	188	176	28-3	8-Φ25	220	600
	150	400	300	250	218	204	30-3	8-Φ25	250	800
	200	550	375	320	282	260	38-3	12-Φ30	390	1200
Q41Y -64 F H Q341Y -64 F H Q641Y -64 F H	15	140	105	75	55	40	18-2	4-Φ14	75	115
	20	160	125	90	68	51	20-2	4-Φ18	85	130
	25	180	135	100	78	58	22-2	4-Φ18	95	150
	32	200	150	110	82	66	24-2	4-Φ23	105	190
	40	220	165	125	95	76	24-3	4-Φ23	120	230
	50	250	175	135	105	88	26-3	4-Φ23	130	240
	65	280	200	160	130	110	28-3	8-Φ23	160	280
	80	320	210	170	140	121	30-3	8-Φ23	180	310
	100	360	250	200	168	150	32-3	8-Φ25	200	330
	125	381	295	240	202	176	36-3	8-Φ30	230	600
	150	403	340	280	240	204	38-3	8-Φ34	260	800
	200	502	405	345	300	260	44-3	12-Φ34	400	1200

Integral High Temperature Ball Valve
一体式高温球阀

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性能规范 Performance Specification

型号 Model	公称压力(Mpa) Nominal pressure	试验压力(Mpa) Test pressure		工作温度(°C) Working temperature	适用介质 Applicable medium
		强度 Intensity	密封 Seal		
QQ41M-16P	1.6	2.4	1.8	-10~300 瞬时350	水蒸汽、油品氨、醋、 酸介质等
QQ41M-25P	2.5	4.0	2.8		

主要零件材质 Material for Main Parts

序号 No.	名称 Name	铸钢 Cast Steel	不锈钢 Stainless Steel
		C	F
1	阀体旋塞	WCB	F304
2	球体	WCB-镀铬	F304
3	阀杆	45#-镀硬铬	F304
4	阀座	聚四氟乙烯—石墨+高弹性胶(8202)型	
5	填料		

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Integral High Temperature Ball Valve 一体式高温球阀

替代排污阀长度-主要外形尺寸和连接尺寸 Main Dimensions And Connection Dimensions (mm)

DN	L	D	D1	D2	d	Z-Φd	H	D0
15	130	95	65	45	16	4-14	105	150
20	140	105	75	55	16	4-14	110	150
25	180	115	85	65	16	4-14	120	160
32	200	135	100	78	18	4-18	140	180
40	230	145	110	85	18	4-18	155	250
50	250	160	125	100	20	4-18	175	300

替代球阀长度-主要外形尺寸和连接尺寸 Main Dimensions And Connection Dimensions (mm)

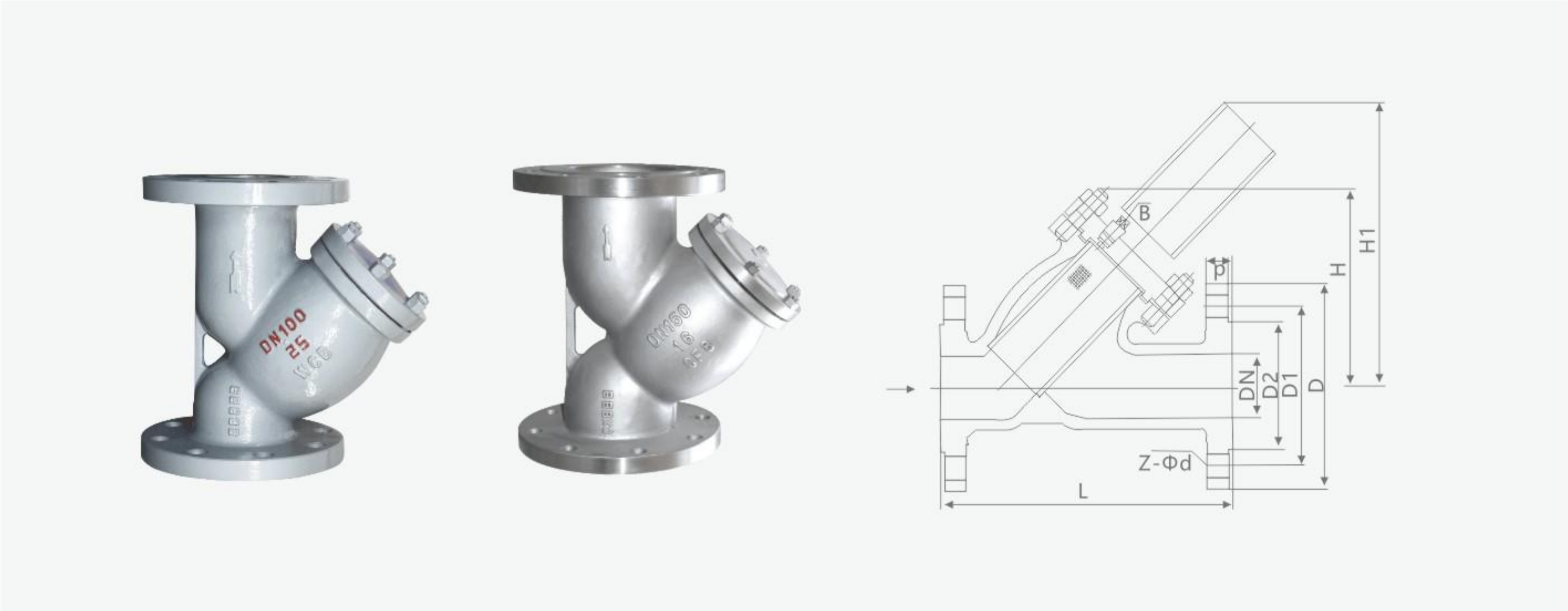
DN	L	D	D1	D2	b	f	Z-Φd	H	L0
20	140	105	75	55	16	2	4-14	110	150
25	150	115	85	65	16	2	4-14	120	160
32	165	135	100	78	18	2	4-18	145	160
40	180	145	110	85	20	3	4-18	155	250
50	200	160	125	100	20	3	4-18	175	300
65	220	180	145	120	22	3	4-18	195	300
80	250	195	160	135	22	3	8-18	225	320
100	280	230	190	160	24	3	8-23	255	320
125	320	275	220	188	28	3	8-25	285	400
150	360	300	250	218	30	3	8-25	295	400

替代截止阀长度-主要外形尺寸和连接尺寸 Main Dimensions And Connection Dimensions (mm)

DN	L	D	D1	D2	b	f	Z-Φd	H	L0
20	150	105	75	55	16	2	4-14	110	150
25	160	115	85	65	16	2	4-14	120	160
32	180	135	100	78	18	2	4-18	145	160
40	200	145	110	85	20	3	4-18	155	250
50	230	160	125	100	20	3	4-18	175	300
65	290	180	145	120	22	3	4-18	195	300
80	310	195	160	135	22	3	8-18	225	320
100	350	230	190	160	24	3	8-23	255	320
125	400	275	220	188	28	3	8-25	285	400
150	480	300	250	218	30	3	8-25	295	400

GB Flange Y-Filter
国标法兰Y型过滤器

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产品执行标准 Production enforce standard

产品规范 Product Specification	设计规范 Design Spec	结构长度 Face to Face	连接法兰 Flange End	试验与检验 Test & Check	产品标识 Marking	供货规范 Supply
	GB/T 21637	GB/T 12221	JB/T79	JB/T 9092	GB/T 12220	JB/T 7928

主要零件材料Material for main parts

零件名称Parts Name	零部件材料 Part Material					
阀体/阀盖Body/Bonnet	25	WCB	CF8	CF8M	CF3	CF3M
网架Dis/stem	25	35	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti	00Cr18Ni10	00Cr17Ni14Mo2
滤网Strainet	1Cr18Ni9Ti		1Cr18Ni9Ti		00Cr18Ni10	
垫片Gasket	18-8柔性石墨 18-8/Flexible Graphite					
螺栓Bolt	35		1Cr17Ni2		1Cr18Ni9Ti	
适用温度Suitable temp	-29~+425℃		-40~+200℃		-40~+200℃	
适用介质 Suitable medium	水、油品、蒸汽 Water、Oil、Steam		硝酸类 Nitric Acid		醋酸类 Acetic Acid	

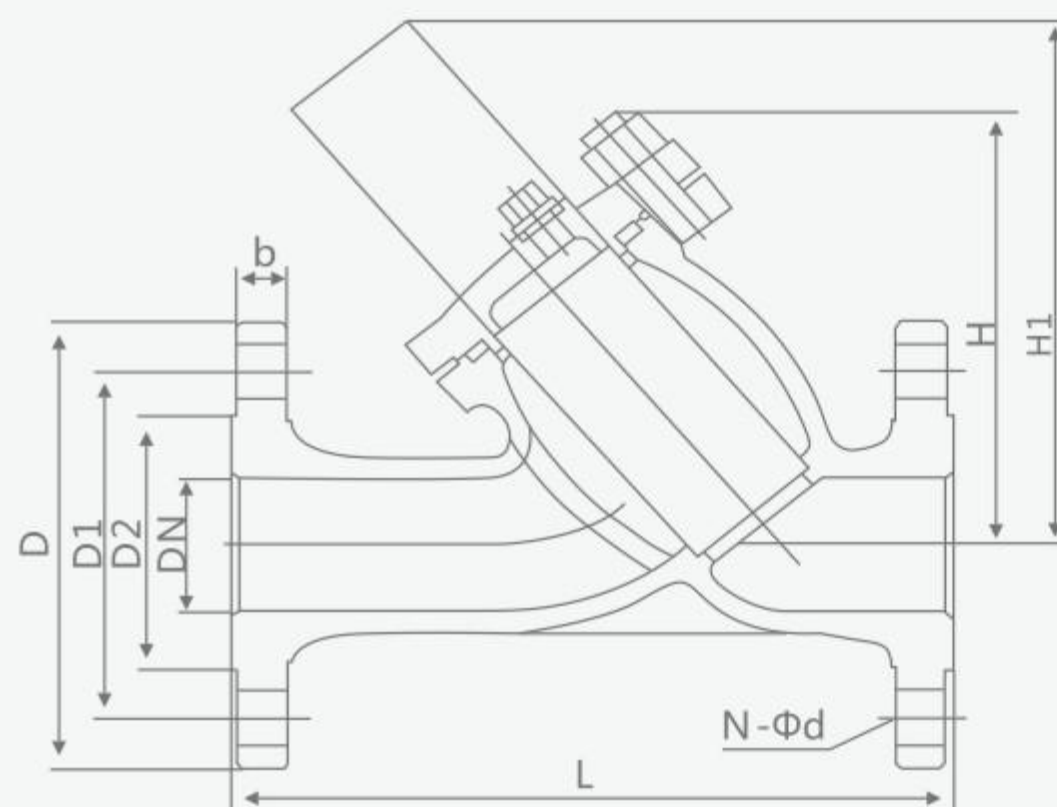
主要连接尺寸 Main Connection Dimensions

公称通径 DN (mm)	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	130	140	150	180	200	220	250	280	300	340	380	460	560	590	690	780	850	900	1060
H	60	70	70	75	90	105	150	175	200	205	260	300	380	410	480	540	580	645	780

注：本尺寸表的数据适用于本厂0.25~2.5MPa，压力等级的Y型过滤器。

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ANSI/ASME Flange Y-Filter 美标法兰Y型过滤器



NPS≥1 1/2in

产品执行标准 Production enforce standard

产品规范 Product Specification	设计规范 Design Spec	连接法兰 Flange End	压力-温度 Pressure-temperature	试验与检验 Test & Check
	ASME B16.34	ASME B16.10	ASME B16.5	API 598

主要零件材料 Main components material

No.	Parts Name	Material		
1	阀体 Body	ASTM A216WCB	A351-CF8	A351-CF8M
2	过滤器 Strainer	SS304	SS304	SS316
3	垫片 Gasket	304+Graphite	304+Graphite	316+Graphite
4	阀盖 Bonnet	ASTM A216WCB	A351-CF8	A351-CF8M
5	污水螺栓 Sewage bolts	ASTM A105	SS304	SS316
6	盖螺栓 Cover Bolt	ASTM A193 B7	A193-B8	A193-B8M
7	盖螺母 Cover Nut	ASTM A194 2H	A194-8	A194-8M

主要连接尺寸(API) Main external dimensions

公称型号Type	公称通径DN	d	L	o	C	N-Φd	g	t
150Lb	1/2"	13	130	90	60.3	4-16	35	16
	3/4"	19	150	100	69.9	4-16	43	18
	1"	25.4	160	110	79.4	4-16	51	18
	1 1/4"	32	180	115	88.9	4-16	64	18
	1 1/2"	38.1	200	125	98.4	4-16	73	18
	2"	51	230	150	120.7	4-19	92	20
	2 1/2"	64	290	180	139.7	4-19	105	22
	3"	76	310	190	152.4	4-19	127	24
	4"	102	350	230	190.5	8-19	157	24
300Lb	1/2"	13	130	95	66.7	4-16	32	16
	3/4"	19	150	115	82.6	4-19	43	16
	1"	25.4	160	125	88.9	4-19	51	18
	1 1/4"	32	180	135	98.4	4-19	64	19
	1 1/2"	38.1	200	155	114.3	4-22.5	73	21
	2"	51	230	165	127	8-19	92	23
	2 1/2"	64	290	190	149.2	8-22.5	105	26
	3"	76	310	210	168.3	8-22.5	127	29
	4"	102	350	255	200	8-22.5	157	32

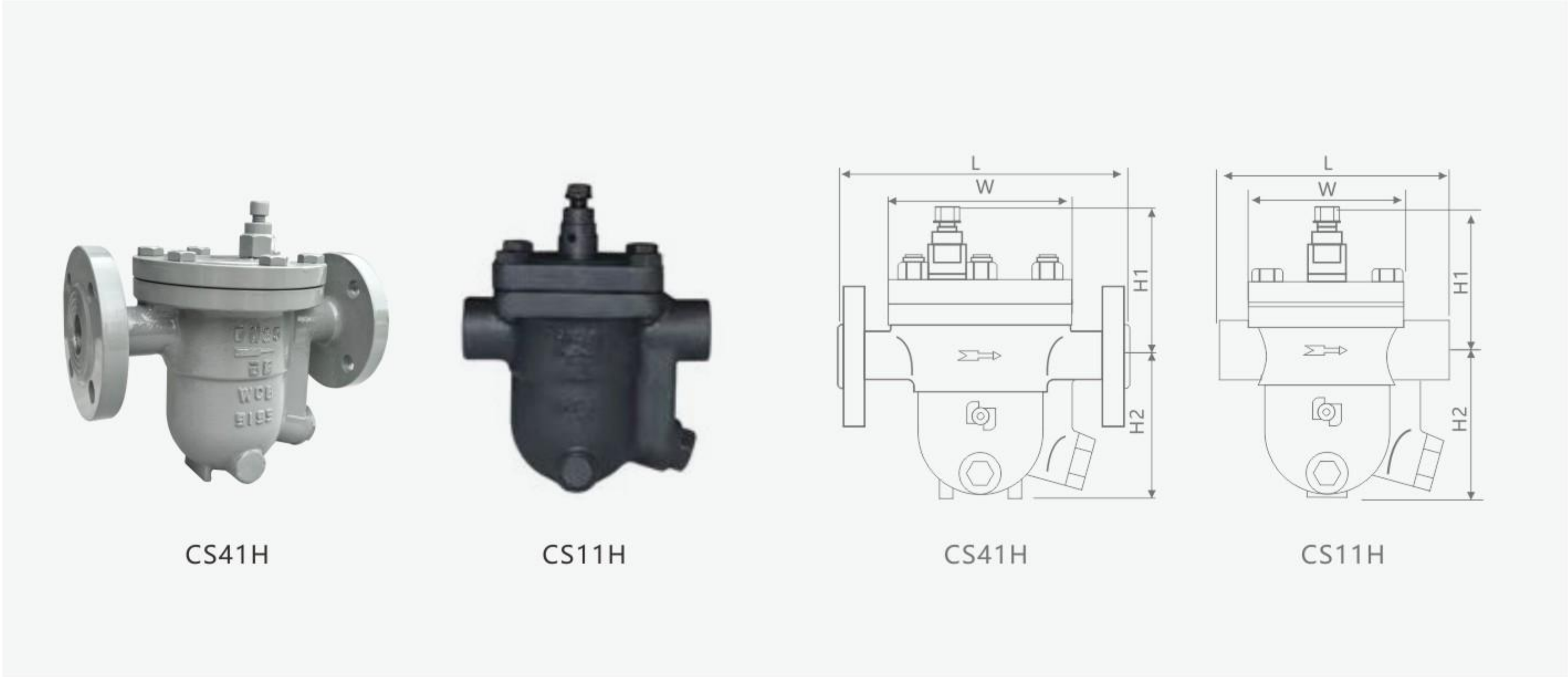
注：1.设计与制造符合MFG标准。2.试验与检验符合API598。3.结构长度符合MFG标准。4.法兰尺寸符合ANSI B16.5技术要求。

Note:1.The design & maufacture accords with MFG standard. 2.The test & inspection accords with API598.

3.The length of structure accords with MFG standard. 4.The flange size accords with the technique requirements of ANSI B16.5.

Thermodynamic Steam
Trap Valve CS41H
热动力式蒸汽疏水阀CS41H

☆ 特推产品 ☆



产品介绍

自由浮球式蒸汽疏水阀是国内外近年来先进的蒸汽疏水阀之一。产品技术质量和制造工艺达到国际上同尖产品的水平，能将蒸汽管道内及供热设备中的凝结水及时排出，并阻止蒸汽泄漏，该产品广泛用于石油、化工、轻纺、印染、制药、造纸、食品等工矿企业。

结构特点

能连续排水性能稳定，排水量大，漏汽率小，背压率高。不锈钢空心自由浮球是阀门的主要部件，采用不锈钢高精度研磨的圆浮球。内部零件，均为不锈钢，抗腐蚀、耐磨损、使用寿命长。

PRODUCT INTRODUCTION

Free floating ball steam trap is one of the advanced steam trap valves in recent years both domestically and internationally. The technical quality and manufacturing process of the product have reached the international level of top-notch products, which can timely discharge condensate water in steam pipelines and heating equipment, and prevent steam leakage. This product is widely used in industrial and mining enterprises such as petroleum, chemical, light textile, printing and dyeing, pharmaceuticals, papermaking, and food.

STRUCTURAL CHARACTERISTICS

Stable continuous drainage performance, large drainage capacity, low steam leakage rate, and high back pressure rate. The stainless steel hollow free floating ball is the main component of the valve, which is made of stainless steel high-definition ground round floating balls. The internal components are all made of stainless steel, which is corrosion-resistant, wear-resistant, and has a long service life.

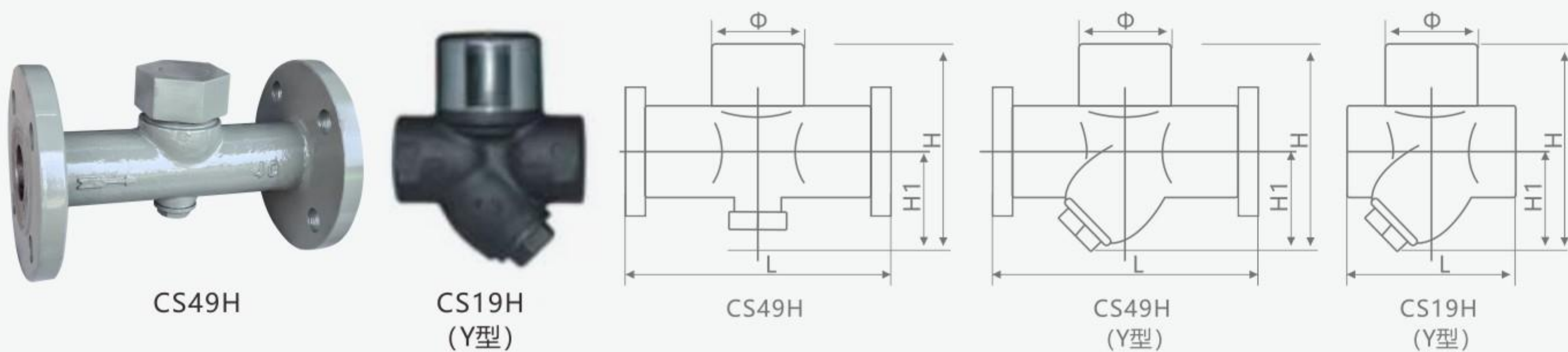
主要连接尺寸 Main Connection Dimensions

单位: mm

产品型号 Product model	公称通径(DN) Nominal diameter	连接方式 Connection method	使用压力(MPa) Operating pressure (Mpa)	最高允许温度℃ Maximum allowable temperature °C	外型尺寸External dimensions				参考重量(kg) Reference weight (kg)
					L	H1	H2	W	
CS41H- ¹⁶ / ₂₅ B 40 F	15	法兰 连接	1.6 2.5 4.0	300	195	97	100	126	-
	20				195	100	101	130	-
	25				215	105	105	140	-
	32				270	110	135	172	-
	40				280	115	160	172	-
	50				290	115	160	172	-
	65				390	175	175	236	-
	80				435	245	245	260	-
	100				435	255	255	265	-
	125~150				480	185	311	302	-
CS11H- ¹⁶ / ₂₅ B 40 D	15	螺纹承插焊			155	95	100	-	-
	25				155	95	100	-	-
	32				270	110	135	172	-
	40				280	110	165	172	-
	50				290	110	165	172	-

☆ 特推产品 ☆

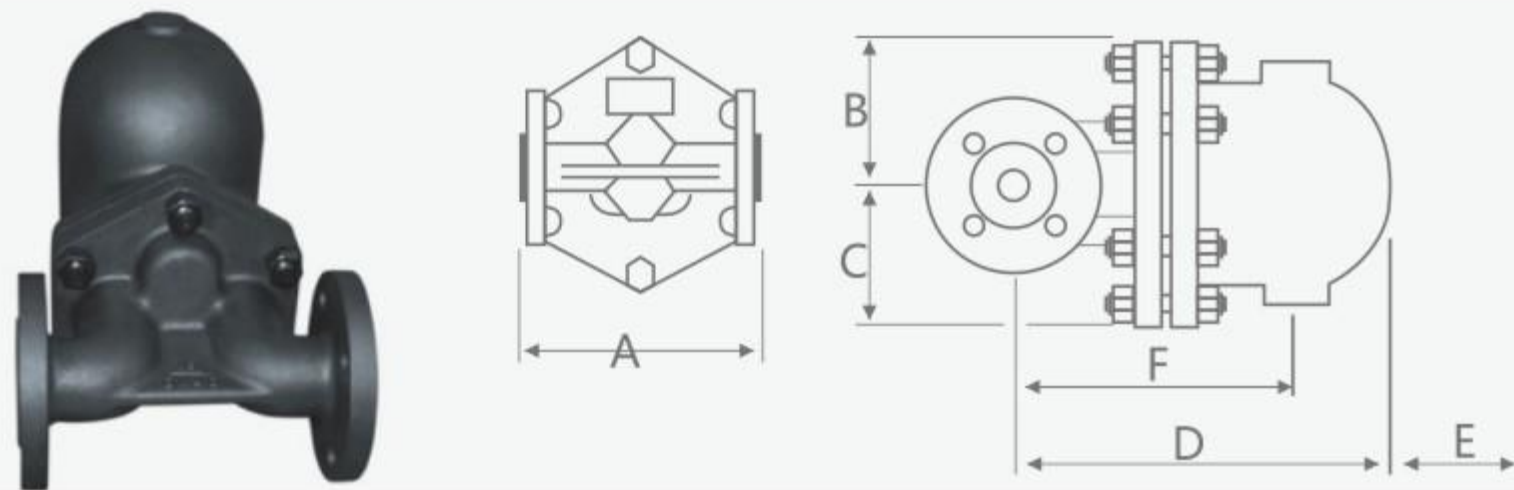
Thermodynamic Steam
Trap Valve CS49H
热动力式蒸汽疏水阀CS49H



主要连接尺寸 Main Connection Dimensions

单位: mm

型 号	公称通径	L	H	H1	Φ
CS49H ¹⁶ ₂₅ ₄₀	15	150	110	50	53
	20				
	25	160			
	32	230	148	70	68
	40		158	77	77
	50		173	80	
CS19H ¹⁶ ₂₅ ₄₀ (Y型)	15	90	110	50	53
	20	90	112	52	53
	25	90	118	56	53
	32	130	160	81	77
	40	130	160	81	77
	50	150	195	95	80



Lever Float Steam Trap Valve
FT43
杠杆浮球式蒸汽疏水阀FT43

规格	PN16-40 A(A)	ANSI 300 A(A)	ANSI 150 A(A)	JIS/KS 20K A(A)	B	C	D	E	F
DN15	150 (150)	209 (150)	203(150)	206(150)	80	80	215	120	155
DN20	150 (150)	209 (150)	205(150)	210(150)	80	80	225	120	165
DN25	160 (160)	212 (160)	208(160)	210(160)	115	85	282	170	215
DN40	230 (230)	327 (230)	321(230)	322(230)	130	115	337	200	200
DN50	230 (230)	320 (230)	313(230)	311(230)	141	123	347	200	225