

BALL VALVE SERIES

Product material:

WCB, A105, LCB, LF2, WC6, F11, WC9, F22, QT450, ZG1Cr5Mo, F5, ZG20CrMoV, ZG15Cr1Mo1V, 12Cr1MoV, C12A, F91, F92, CF8, F304, CF8M, F316, CF3, F304L, CF3M, F316L, CF8C, F347, F304H, F316H, F321H, 4A, F51, 5A, F53, Inconel, Monel, (Copper alloy), (Titanium alloy), (Hastelloy alloy), (Nickel alloy)等

Manufacturer's standard: GB, DIN, API, ANSI, JIS, BS等

Nominal Diameter: 10mm~4000mm及1/2"~160"

Working pressure: 0.25MPa~76.0MPa/150Lb~4500Lb/10K~320K

Operation temperature: -196°C~816°C

Applicable working conditions: petroleum, chemical, natural gas, power plants, nuclear power, military, municipal, metallurgical, construction, pharmaceutical, papermaking, coal mining, cement, pollution discharge, environmental protection, new energy and other industries





GB Flanged Ball Valve



GB High Platform Flange Ball Valve



API ball valve



JIS Ball Valve



DIN Ball Valve



Discharge Ball Valve



Integrated High temperature Ball Valve



Three Way Ball Valve



Wafer Thin Ball Valve



Worm Gear Floating Ball Valve



Trunnion Mounted Ball Valve



Oxygen Dedicated Ball Valve



Pneumatic Flange Ball Valve



Electric Flange Ball Valve



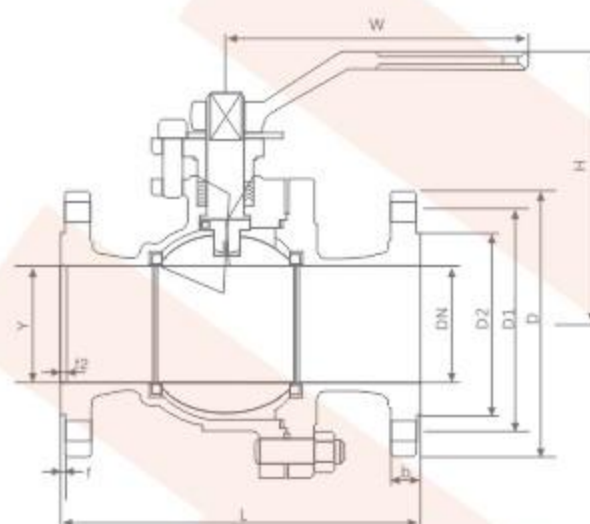
Electric 3-way Flange Ball Valve



High Platform V-shaped Ball Valve

GB FLOATING BALL VALVE

Q41/641/941F-16C/P/R/RL



Fire durable



Worm gear operation

Main external and connection dimension

Unit:mm

DN	Main external and connecting dimensions									WT (kg)
	L	D	D1	D2	b	f	Z-Φd	H	W	
			Q41F-16C	Q41F-16P	Q641F-16C	Q641F-16P	Q9B41F-16C	Q9B41F-16P		
15	130	95	65	45	14	2	4-Φ14	78	140	3
20	140	105	75	55	14	2	4-Φ14	84	160	4
25	150	115	85	65	14	2	4-Φ14	95	180	5
32	165	135	100	78	17	2	4-Φ18	150	250	9
40	180	145	110	85	17	2	4-Φ18	150	300	11
50	200	160	125	100	18	2	4-Φ18	170	350	15
65	220	180	145	120	19	2	4-Φ18	195	350	19
80	250	195	160	135	20	2	8-Φ18	215	400	27
100	280	215	180	155	21	2	8-Φ18	250	500	38
125	320	245	210	185	22	3	8-Φ18	265	600	58
150	360	280	240	210	24	3	8-Φ23	270	800	81
200	400	335	295	265	26	3	12-Φ23	330	800	95
250	533	405	355	320	28	3	12-Φ25	450	1300	140

GB FLOATING BALL VALVE

Q41/341/641/941P-25~64

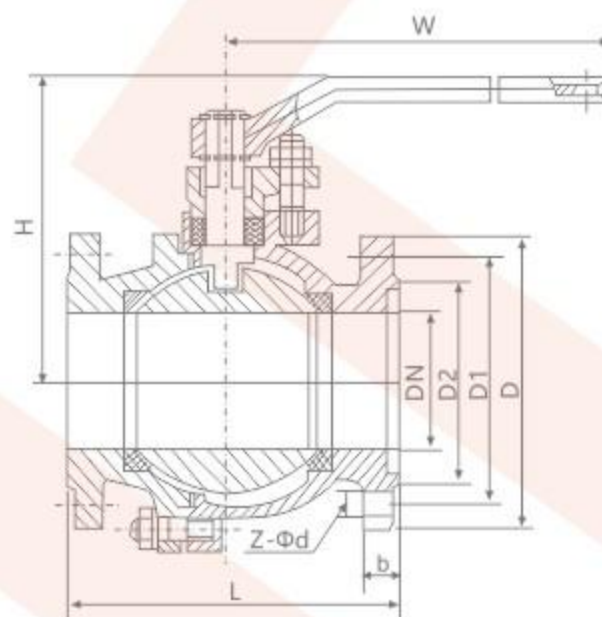
JB/T 79.2-1994 JB/T 79.1-1994

Main external and connection dimension

Unit:mm

DN	Main external and connecting dimensions										WT (kg)
	L	D	D1	D2	b	Y	f2	Z-Φd	H	W	
Q41F-25 Q41F-25P Q341F-25 Q341F-25P Q641F-25 Q641F-25P Q9B41F-25 Q9B41F-25P											
15	130	95	65	45	16	-	-	4-Φ14	103	100	3
20	140	105	75	55	16	-	-	4-Φ14	112	160	4
25	150	115	85	65	16	-	-	4-Φ14	123	160	6
32	165	135	100	78	18	-	-	4-Φ18	150	250	10
40	180	145	110	85	18	-	-	4-Φ18	156	250	14
50	200	160	125	100	20	-	-	4-Φ18	172	350	20
65	220	180	145	120	22	-	-	8-Φ18	197	350	25
80	250	195	160	135	22	-	-	8-Φ18	222	450	30
100	280	230	190	160	24	-	-	8-Φ23	253	450	40
125	320	270	220	188	28	-	-	8-Φ25	275	600	65
150	360	300	250	218	30	-	-	8-Φ25	286	800	85
200	400	360	310	278	34	-	-	12-Φ25	340	1200	100
250	533	425	370	332	36	-	-	12-Φ30	470	1400	165
Q41F-40 Q41F-40P Q341F-40 Q341F-40P Q641F-40 Q641F-40P Q9B41F-40 Q9B41F-40P											
15	130	95	65	45	16	40	4	4-Φ14	103	100	3
20	140	105	75	55	16	51	4	4-Φ14	112	160	4
25	150	115	85	65	16	58	4	4-Φ14	123	160	6
32	180	135	100	78	18	66	4	4-Φ18	150	250	10
40	200	145	110	85	18	76	4	4-Φ18	156	250	14
50	220	160	125	100	20	88	4	4-Φ18	172	350	20
65	250	180	145	120	22	110	4	8-Φ18	197	350	25
80	280	195	160	135	22	121	4	8-Φ18	222	450	30
100	320	230	190	160	24	150	4.5	8-Φ23	253	450	40
125	400	270	220	188	28	176	4.5	8-Φ25	275	600	65
150	400	300	250	218	30	204	4.5	8-Φ25	286	800	85
200	550	375	320	282	38	260	4.5	12-Φ30	340	1200	100
250	568	445	385	345	42	313	4.5	12-Φ34	470	1400	165
Q41F-63 Q41F-63P Q341F-63 Q341F-63P Q641F-63 Q641F-63P Q9B41F-63 Q9B41F-63P											
15	140	105	75	55	18	40	4	4-Φ14	105	130	3.1
20	155	125	90	68	20	51	4	4-Φ18	125	130	4.9
25	180	135	100	78	22	58	4	4-Φ18	135	160	7.2
32	200	150	110	82	24	66	4	4-Φ23	150	160	8.7
40	220	165	125	95	24	76	4	4-Φ23	165	230	12.1
50	250	175	135	105	26	88	4	4-Φ23	175	230	16.7
65	280	200	160	130	28	110	4	8-Φ23	200	400	28.2
80	320	210	170	140	30	121	4	8-Φ23	210	400	36
100	350	250	200	168	32	150	4.5	8-Φ25	250	700	66
125	455	295	240	202	36	176	4.5	8-Φ30	295	1100	98
150	495	340	280	240	38	204	4.5	8-Φ34	340	1500	142
Q41F-100 Q41F-100P Q341F-100 Q341F-100P Q641F-100 Q641F-100P Q9B41F-100 Q9B41F-100P											
15	140	105	75	55	20	40	4	4-Φ14	105	130	3.1
20	155	130	90	68	22	51	4	4-Φ18	125	130	4.9
25	180	140	100	78	24	58	4	4-Φ18	135	160	7.2
32	200	155	110	82	26	66	4	4-Φ23	150	160	8.7
40	220	170	125	95	28	76	4	4-Φ23	165	230	12.1
50	250	195	135	105	30	88	4	4-Φ23	175	230	16.7
65	280	220	160	130	34	110	4	8-Φ23	200	400	28.2
80	320	230	170	140	36	121	4	8-Φ23	210	400	36
100	350	265	200	168	40	150	4.5	8-Φ25	250	700	66
125	455	315	240	202	40	176	4.5	8-Φ30	295	1100	98
150	495	355	280	240	44	204	4.5	8-Φ34	340	1500	142

ANSI/ASME FLANGE BALL VALVE



STANDARDS

Design and manufacture as BS5351, ANSI B16.34
 Face to face dimensions as ANSI B16.10
 End flange dimension as ANSI B16.5
 Pressure-temperature rating as ANSI B16.34
 Pressure test as API 598

Test Pressure

Test Item		Shell Test		Seal Test		Air Seal Test	
Medium		Water				Air	
Unit		MPa	lbf/in ²	MPa	lbf/in ²	MPa	lbf/in ²
Pressure (Class)	150	3.1	450	2.2	315	0.5~0.7	60~100
	300	7.8	1125	5.6	815		
	400	10.3	1500	7.6	1100		
	600	15.3	2225	11.2	1630		
	900	23.1	3350	16.8	2440		

Materials for Main Parts

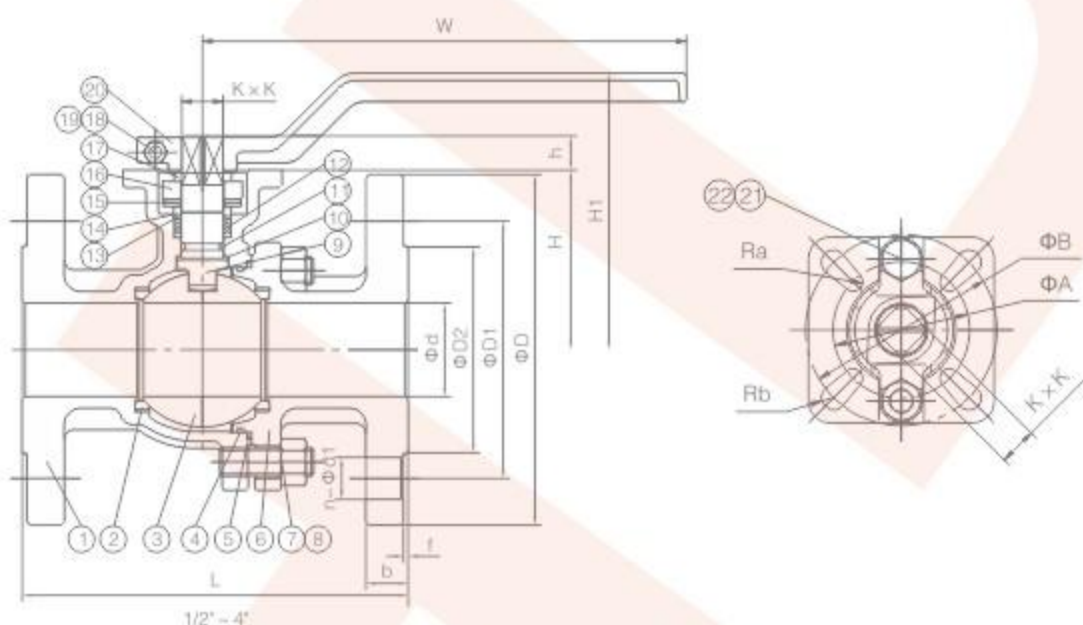
Name	Material								
Body Bonnet	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
Ball	A182 F6	A182 F304					A182 F316	A182 F304L	A182 F316L
Stem	A182 F6	A182 F304					A182 F316	A182 F304L	A182 F316L
Hand Handle	KTH350-10								
Bonnet Bolt	A193-B7 A320-L7 A193-B8								
Nut	A194-2H A194-7 A194-8								

ANSI/ASME FLANGE BALL VALVE

Main Connection Dimensions

Type	Size(mm)		Dimension(mm)							
	Inch	DN	L	D	D1	D2	b	z-Φd	H	W
Q41H ^F -150Lb Y Q341H ^F -150Lb Y Q641H ^F -150Lb Y	½"	15	108	90	60.3	34.9	11.6	4-16	68	115
	¾"	20	117	100	69.9	42.9	13.2	4-16	75	130
	1"	25	127	110	79.4	50.8	14.7	4-16	85	150
	1¼"	32	140	115	88.9	63.5	16.3	4-16	96	190
	1½"	40	165	125	98.4	73	17.9	4-16	107	230
	2"	50	178	150	120.7	92.1	19.5	4-19	118	240
	2½"	65	190	180	139.7	104.8	22.7	4-19	145	280
	3"	80	203	190	152.4	127	24.3	4-19	160	310
	4"	100	229	230	190.5	157.2	24.3	4-19	185	330
	5"	125	356	255	215.9	185.7	24.3	8-22	230	600
	6"	150	394	280	241.3	215.9	25.9	8-22	260	800
	8"	200	457	345	298.5	269.9	29	8-22	310	1000
	10"	250	533	405	362	323.8	30.6	12-25	350	1200
Q41H ^F -300Lb Y Q341H ^F -300Lb Y Q641H ^F -300Lb Y	½"	15	140	95	66.7	34.9	14.7	4-16	72	115
	¾"	20	152	115	82.6	42.9	16.3	4-19	75	130
	1"	25	165	125	88.9	50.8	17.9	4-19	85	150
	1¼"	32	178	135	98.4	63.5	19.5	4-19	95	180
	1½"	40	190	155	114.3	73	21.1	4-22	110	230
	2"	50	216	165	127	92.1	22.7	8-19	120	240
	2½"	65	241	190	149.2	104.8	25.9	8-22	120	280
	3"	80	283	210	168.3	127	29	8-22	150	310
	4"	100	305	255	200	157.2	32.2	8-22	165	330
	5"	125	381	280	235	185.7	35.4	8-22	190	600
	6"	150	403	320	269.9	215.9	37	12-22	270	800
	8"	200	502	380	330.2	269.9	41.7	12-25	315	1000
	10"	250	568	445	387.4	323.8	48.1	16-29	380	1200
Q41H ^F -600Lb Y Q341H ^F -600Lb Y Q641H ^F -600Lb Y	½"	15	165	95	66.7	34.9	16.3	4-16	88	115
	¾"	20	190	115	82.6	42.9	17.9	4-19	98	130
	1"	25	216	125	88.9	50.8	19.5	4-19	105	150
	1½"	40	241	155	114.3	73	24.3	4-22	135	180
	2"	50	292	165	127	92.1	27.4	8-19	155	240
	2½"	65	330	190	149	105	29	8-22	155	280
	3"	80	356	210	168.3	127	33.8	8-22	175	310
	4"	100	432	275	215.9	157.2	40.1	8-25	210	330
	5"	125	508	330	267	186	44.5	8-29	255	600
	6"	150	559	355	292.1	215.9	49.7	12-29	340	800
	8"	200	660	420	349.2	269.9	57.6	12-32	400	1000
	10"	250	787	510	431.8	323.8	65.5	16-35	440	1200

2-PC BALL VALVE FLANGE END GB DIRECT MOUNTING PAD



Features

Full port, 1/2" ~ 12" (DN15 ~ DN300)
W.P: PN16/40
W.T: -20°C ~ 180°C
Investment casting
Anti-static device (option)
Locking device handle
ISO 5211 Direct mounting pad
API 607 Fire safe (option)
Automation accessories (option)

JB PN16

Design: GB/T 12237
Flange dimension: JB/T 79.1
Face to face: JB/T 1686
Inspection & testing: GB/T 13927, JB/T 9092

HG PN16/40

Design: GB/T 12237
Flange dimension: HG/T 20592
Face to face: GB/T 12221
Inspection & testing: GB/T 13927, JB/T 9092

Material List

No.	PARTS	MATERIAL		
1	BODY	WCB	CF8	CF8M
2	SEAT	PTFE		
3	BALL	CF8	CF8	CF8M
4	O-RING	FPM		
5	GASKET	PTFE		
6	BONNET	WCB	CF8	CF8M
7	BOLT	304		
8	NUT	304		
9	STEM	304	304	316
10	STEM WASHER	PTFE+25% GF		
11	O-RING	FPM		
12	PACKING	PTFE		
13	WEAR WASHER	PTFE+25% GF		
14	GLAND	304		
15	DISC SPRING	304		
16	GLAND FLANGE	CF8		
17	STOPPER	304		
18	HEX SOCKET BOLT	304		
19	NUT	304		
20	HANDLE	WCB/CF8		
21	BOLT	304		
22	NUT	304		

2-PC BALL VALVE FLANGE END GB DIRECT MOUNTING PAD

Dimensions G22 JB PN16

Unit: mm

Nominal Diameter		L	d	D2	D1	D	b	f	n-Φd1	H	h	H1	W	Ra	Rb	A	B	K×K
15	1/2"	130	15	45	65	95	14	2	4-14	51	9	83	140	3.0	3.5	36	50	9X9
20	3/4"	140	20	55	75	105	14	2	4-14	56	9	88	140	3.0	3.5	36	50	9X9
25	1"	*150/140	25	65	85	115	14	2	4-14	62	11	97	170	3.0	3.5	42	50	11X11
32	1-1/4"	165	32	78	100	135	16	2	4-18	72	11	107	170	3.0	3.5	42	50	11X11
40	1-1/2"	180	40	85	110	145	16	3	4-18	78	14	116	200	3.5	4.5	50	70	14X14
50	2"	200	50	100	125	160	16	3	4-18	86	14	124	200	3.5	4.5	50	70	14X14
65	2-1/2"	220	65	120	145	180	18	3	4-18	102	17	146	300	4.5	5.5	70	102	17X17
80	3"	250	80	135	160	195	20	3	8-18	115	17	159	300	4.5	5.5	70	102	17X17
100	4"	280	100	155	180	215	20	3	8-18	137	17	181	300	4.5	5.5	70	102	17X17
125	5"	320	125	185	210	250	22	3	8-18	170	25	255	650	5.5	6.5	102	125	22X22
150	6"	360	150	210	240	280	24	3	8-23	192	30	277	800	5.5	6.5	102	125	27X27
200	8"	400	200	265	295	335	26	3	12-23	234	35	280	300	5.5	6.5	102	125	27X27

Dimensions G2S HG Short series PN16

Unit: mm

Nominal Diameter		L	d	D2	D1	D	b	f	n-Φd1	H	h	H1	W	Ra	Rb	A	B	K×K
15	1/2"	108	15	45	65	95	16	2	4-14	55	9	87	140	3.0	3.5	36	50	9X9
20	3/4"	117	20	58	75	105	18	2	4-14	60	9	92	140	3.0	3.5	36	50	9X9
25	1"	127	25	68	85	115	18	2	4-14	67	11	102	170	3.0	3.5	42	50	11X11
32	1-1/4"	140	32	78	100	140	18	2	4-18	76	11	111	170	3.0	3.5	42	50	11X11
40	1-1/2"	165	40	88	110	150	18	2	4-18	85	14	123	200	3.5	4.5	50	70	14X14
50	2"	178	50	102	125	165	18	2	4-18	93	14	131	200	3.5	4.5	50	70	14X14
65	2-1/2"	190	65	122	145	185	18	2	8-18	113	17	157	300	4.5	5.5	70	102	17X17
80	3"	203	80	138	160	200	20	2	8-18	126	17	170	300	4.5	5.5	70	102	17X17
100	4"	229	100	158	180	220	20	2	8-18	141	17	185	300	4.5	5.5	70	102	17X17
125	5"	356	125	188	210	250	22	2	8-22	170	25	255	650	5.5	6.5	102	125	22X22
150	6"	394	150	212	240	285	22	2	8-22	192	30	277	800	5.5	6.5	102	125	27X27
200	8"	457	200	268	295	340	24	2	8-22	234	35	280	300	5.5	6.5	102	125	27X27

Dimensions G21 HG Long series PN16

Unit: mm

Nominal Diameter		L	d	D2	D1	D	b	f	n-Φd1	H	h	H1	W	Ra	Rb	A	B	K×K
15	1/2"	130	15	45	65	95	16	2	4-14	55	9	87	140	3.0	3.5	36	50	9X9
20	3/4"	140	20	58	75	105	18	2	4-14	60	9	92	140	3.0	3.5	36	50	9X9
25	1"	*150/140	25	68	85	115	18	2	4-14	67	11	102	170	3.0	3.5	42	50	11X11
32	1-1/4"	165	32	78	100	140	18	2	4-18	76	11	111	170	3.0	3.5	42	50	11X11
40	1-1/2"	165	40	88	110	150	18	2	4-18	85	14	123	200	3.5	4.5	50	70	14X14
50	2"	203	50	102	125	165	18	2	4-18	93	14	131	200	3.5	4.5	50	70	14X14
65	2-1/2"	222	65	122	145	185	18	2	8-18	113	17	157	300	4.5	5.5	70	102	17X17
80	3"	241	80	138	160	200	20	2	8-18	126	17	170	300	4.5	5.5	70	102	17X17
100	4"	305	100	158	180	220	20	2	8-18	141	17	185	300	4.5	5.5	70	102	17X17
125	5"	320	125	188	210	250	22	2	8-22	170	25	255	650	5.5	6.5	102	125	22X22
150	6"	360	150	212	240	285	22	2	8-22	192	30	277	800	5.5	6.5	102	125	27X27
200	8"	400	200	268	295	340	24	2	12-22	234	35	280	300	5.5	6.5	102	125	27X27

Q47F/Y/H FIXED BALL VALVE

Implementation of standards

- 1、Design and manufacture : GB/T 12237;API 608
- 2、Inspection and test : GB/T 26480-2011;API 598
- 3、Flange connection : HG/T 20592-2009;ASME/ANSI B 16.5
- 4、Structure length : GB/T 12221-2005;ASME/ANSI B 16.10

Performance Specifications

Test pressure

Unit : MPa

PN	Max temperature Working pressure	Case Test pressure	Gas Seals test pressure	High-pressure sealing 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
Class 150	2.0	3.0	0.6	2.2
Class 300	5.0	7.5	0.6	5.5

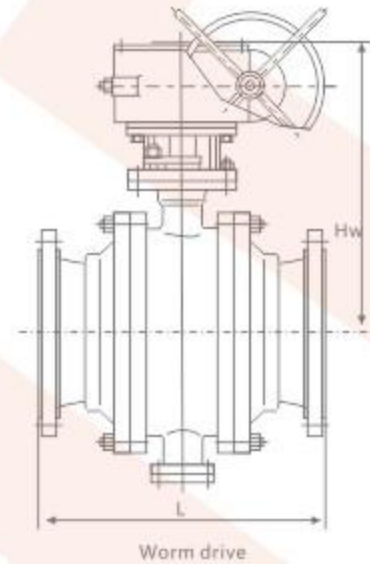
Terms of Use

Shell material	Seat material	Applicable temperature	Applicable media
Carbon Steel C	PTFE	≤150°C	Water,steam,oil,etc.
	Counterpoint polystyrene	≤250°C	
Chrome P-type nickel-titanium steel	PTFE	≤150°C	Nitric acid
	Counterpoint polystyrene	≤200°C	
Chrome-nickel steel R-Mo Ti	PTFE	≤150°C	Acetic acid
	Counterpoint polystyrene	≤200°C	

Main components material

Body, bonnet	GB	WCB	ZG0Cr18Ni9	ZG0Cr17Ni12Mo2
	ASTM	WCB	CF8	CF8M
Ball body	GB	2Cr13	0Cr18Ni9	0Cr17Ni12Mo2
	ASTM	420	304	316
Stem	GB	2Cr13	0Cr18Ni9	1Cr18Ni12Mo2Ti
	ASTM	420	304	316
Seat	GB	2Cr13/PTFE	0Cr18Ni9/PTFE	0Cr17Ni12Mo2/PTFE
	ASTM	420/PTFE	304/PTFE	316/PTFE
Packing	GB	PTFE	PTFE	PTFE
	ASTM	PTFE	PTFE	PTFE
Bolt	GB	35	0Cr18Ni9	0Cr18Ni9
	ASTM	A193 B7	A320-B8	A320-B8
Nut	GB	45	0Cr18Ni9	0Cr18Ni9
	ASTM	A194 2H	A190-8	A194-8

Q47F/Y/H FIXED BALL VALVE

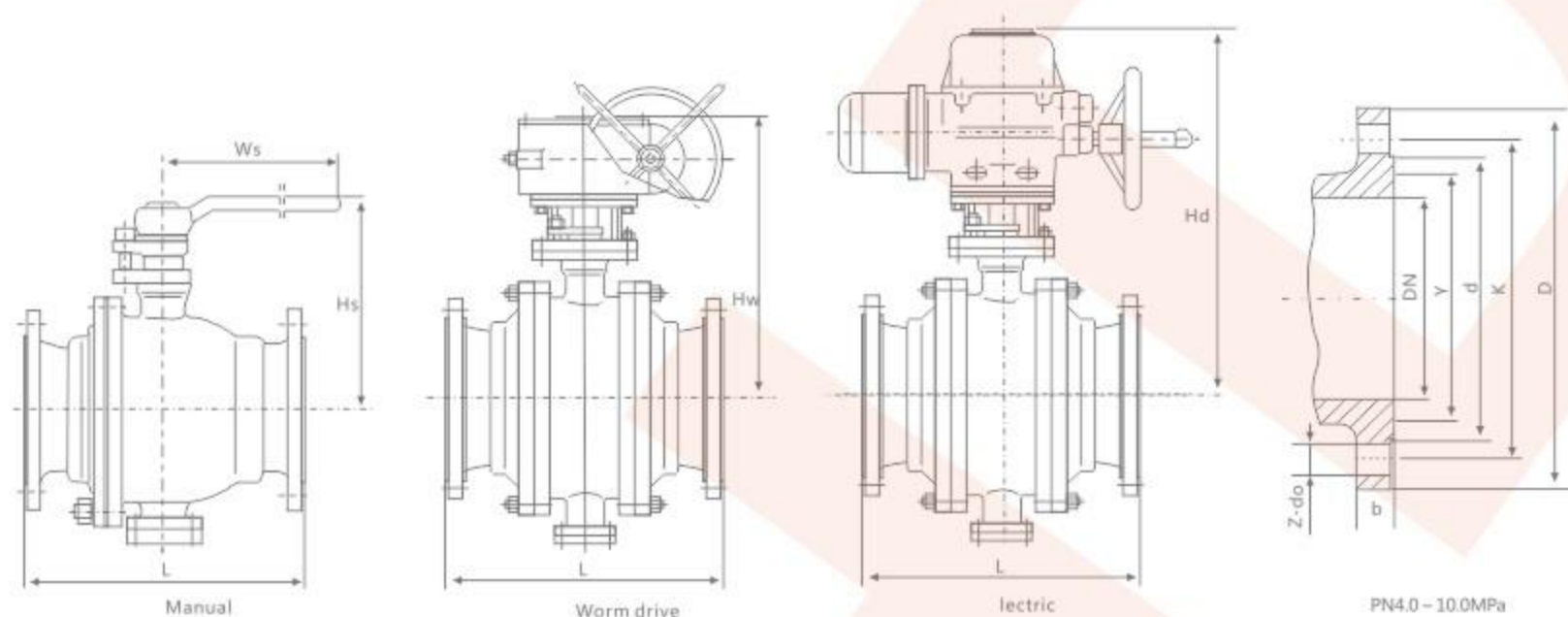


Main connection dimensions

HG/T 20592

PN	DN	Size (mm)											
		L	D	K	d	Y	b	Z-do	Ws	Hs	Hw	Hd	N.m
1.6MPa	150	394	285	240	210	-	22	8-23	1000	305	470	540	300
	200	457	340	295	265	-	24	12-23	-	-	520	580	450
	250	533	405	355	320	-	26	12-25	-	-	610	640	750
	300	610	460	410	375	-	28	12-25	-	-	650	690	1250
	350	686	520	470	435	-	32	16-25	-	-	740	785	2000
	400	762	580	525	485	-	36	16-30	-	-	795	830	2350
	450	864	640	585	545	-	38	20-30	-	-	860	910	3300
	500	914	705	650	608	-	42	20-34	-	-	945	990	4300
	600	1067	840	770	718	-	46	20-41	-	-	1040	1090	7400
	700	1245	910	840	788	-	48	24-41	-	-	1150	1210	-
	800	1372	1020	950	898	-	50	24-41	-	-	1280	1340	-
	900	1524	1120	1050	998	-	52	28-41	-	-	1430	1510	-
	1000	1753	1255	1170	1110	-	54	28-48	-	-	1580	1640	-
	1200	2032	1485	1390	1325	-	56	32-54	-	-	1810	1910	-
	1400	2300	1685	1590	1525	-	60	36-54	-	-	2010	2115	-
2.5MPa	150	403	300	250	218	-	30	8-25	1000	305	470	555	380
	200	502	360	310	278	-	34	12-25	-	-	540	595	630
	250	568	425	370	332	-	36	12-30	-	-	630	655	1050
	300	648	485	430	390	-	40	16-30	-	-	650	705	1750
	350	762	550	490	448	-	44	16-34	-	-	740	795	2600
	400	838	610	550	505	-	48	16-34	-	-	795	830	3200
	450	914	660	600	555	-	50	20-34	-	-	860	910	4600
	500	991	730	660	610	-	52	20-41	-	-	945	990	6000
	600	1143	840	770	718	-	56	20-41	-	-	1040	1090	10000
	700	1346	955	875	815	-	60	24-48	-	-	1150	1210	-
	800	1524	1070	990	930	-	64	24-48	-	-	1305	1340	-
	900	1727	1180	1090	1025	-	66	28-54	-	-	1505	1600	-
	1000	1880	1305	1210	1140	-	68	28-58	-	-	1615	1705	-
	1200	2184	1525	1420	1350	-	72	32-58	-	-	1925	2035	-
	1400	2300	1750	1640	1560	-	78	36-65	-	-	2110	2185	-

Q47F/Y/H FIXED BALL VALVE

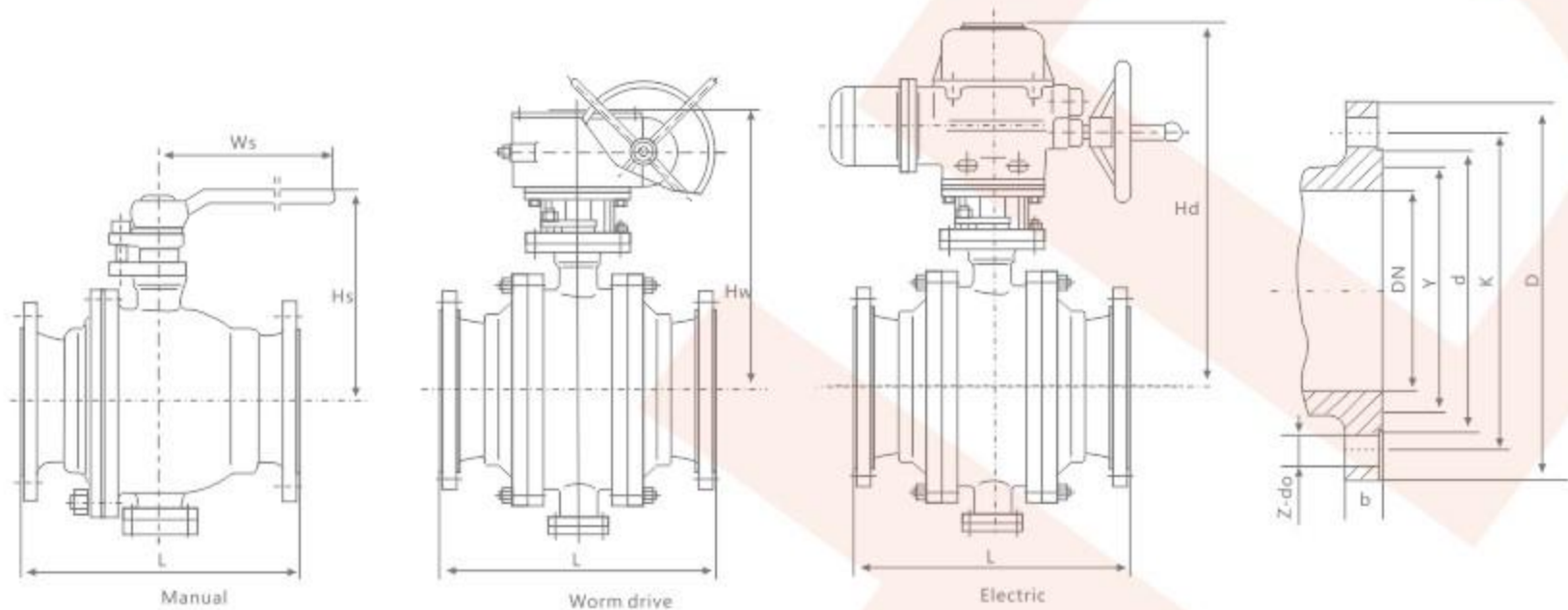


Main connection dimensions

HG/T 20592

PN	DN	Size (mm)											
		L	D	K	d	Y	b	Z-do	Ws	Hs	Hw	Hd	N.m
4.0MPa	150	403	300	250	218	204	30	8-25	1200	360	485	590	450
	200	502	375	320	282	260	38	12-30	-	-	580	640	750
	250	568	445	385	345	313	42	12-34	-	-	665	680	1250
	300	648	510	450	408	364	46	16-34	-	-	760	810	2100
	350	762	570	510	465	422	52	16-34	-	-	820	890	2800
	400	838	655	585	535	474	58	16-41	-	-	860	940	4300
	450	914	680	610	560	524	60	20-41	-	-	930	1010	5500
	500	991	755	670	612	576	62	20-48	-	-	980	1130	6800
	600	1143	890	795	730	678	62	20-54	-	-	1040	1090	11000
	700	1346	995	900	835	768	68	24-54	-	-	1150	1210	-
	800	1524	1135	1030	960	876	76	24-58	-	-	1305	1340	-
	900	1727	1270	1168	1022	-	105	32-54	-	-	1505	1600	-
	1000	1880	1238	1156	1086	-	114	32-44	-	-	1615	1705	-
	1200	2184	1467	1372	1302	-	133	32-51	-	-	1925	2035	-
6.4MPa	1400	-	1708	1600	1518	-	154	28-60	-	-	2110	2185	-
	150	495	340	280	240	204	38	8-34	1200	360	485	590	600
	200	597	405	345	300	260	44	12-34	-	-	580	650	1300
	250	673	470	400	352	313	48	12-41	-	-	665	720	2000
	300	762	530	460	412	364	54	16-41	-	-	760	840	2900
	350	826	595	525	475	422	60	16-41	-	-	820	930	3700
	400	902	670	585	525	474	66	16-48	-	-	870	990	5800
	500	1054	800	705	640	576	70	20-54	-	-	995	1150	-
	600	1232	930	820	750	678	76	20-58	-	-	1100	1180	-
	700	1397	1035	940	800	-	95	28-51	-	-	1180	1230	-
	800	1651	1149	1054	914	-	108	28-54	-	-	1345	1385	-
	900	1880	1270	1168	1022	-	114	32-54	-	-	1550	1655	-
	1000	1981	1270	1175	1092	-	133	32-51	-	-	1675	1745	-
	1200	2311	1511	1403	1308	-	152	28-60	-	-	1945	2075	-

Q47F/Y/H FIXED BALL VALVE



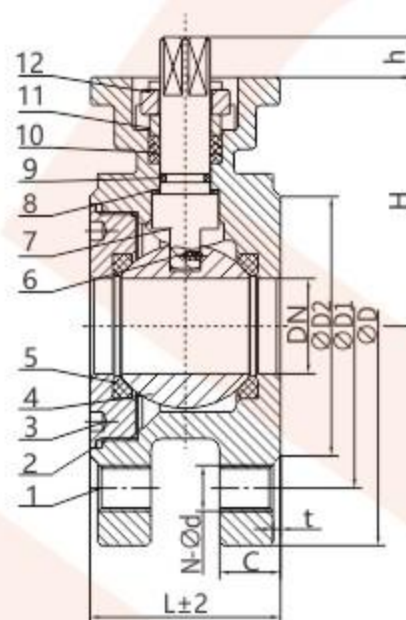
Main connection dimensions

HG/T 20592

PN	DN	Size (mm)											
		L	D	K	d	Y	b	Z-do	Ws	Hs	Hw	Hd	N.m
Class 150	2"	178	152	120.7	92	-	14.3	4-19	260	155	-	-	-
	2 1/2"	190	178	139.7	105	-	15.9	4-19	350	185	-	-	-
	3"	203	190	152.4	127	-	17.5	4-19	500	205	-	-	-
	4"	229	229	190.5	157	-	22.3	8-19	650	255	390	500	110
	5"	356	254	215.9	186	-	22.3	8-22.5	800	285	410	520	180
	6"	394	279	241.3	216	-	23.9	8-22.5	1000	305	470	540	340
	8"	457	343	298.5	270	-	27.0	8-22.5	-	-	520	580	500
	10"	533	406	362	324	-	28.6	12-25.5	-	-	610	640	830
	12"	610	483	431.8	381	-	30.2	12-25.5	-	-	650	690	1400
	14"	686	533	476.3	413	-	33.4	12-28.5	-	-	740	785	2200
	16"	762	597	539.8	470	-	35.0	16-28.5	-	-	795	830	2600
	18"	864	635	577.9	533	-	38.1	16-32	-	-	860	910	3700
	20"	914	699	635.0	584	-	41.3	20-32	-	-	945	990	4800
	24"	1067	813	749.3	692	-	46.1	20-35	-	-	1040	1090	8200
Class 300	28"	1245	927	864	800	-	71	28-35	-	-	1150	1210	12000
	32"	1372	1060	978	914	-	81	28-41	-	-	1280	1340	16000
	2"	216	165	127	92	-	20.7	8-19	260	155	-	-	-
	2 1/2"	241	190	149.2	105	-	23.9	8-22.5	350	185	-	-	-
	3"	282	210	168.3	127	-	27.0	8-22.5	500	205	-	-	-
	4"	305	254	200	157	-	30.2	8-22.5	800	270	410	530	200
	5"	381	279	235	186	-	33.4	8-22.5	1000	305	470	560	290
	6"	403	318	269.9	216	-	35.0	12-22.5	1200	340	485	590	480
	8"	502	381	330.2	270	-	39.7	12-25.5	-	-	5809	640	850
	10"	568	445	387.4	324	-	46.1	16-28.5	-	-	665	680	1400
	12"	648	521	450.8	381	-	49.3	16-32	-	-	760	810	2400
	14"	762	584	514.4	413	-	52.4	20-32	-	-	820	890	3100
	16"	838	648	571.5	470	-	55.6	20-35	-	-	860	940	4800
	18"	914	711	628.5	533	-	58.8	24-35	-	-	930	1010	6100
Class 600	20"	991	775	685.8	584	-	62.0	24-35	-	-	980	1130	7500
	2"	292	165	127	108	-	25.4	8-19	350	175	-	-	70
	2 1/2"	330	190	149.2	127	-	28.6	8-22.5	500	200	-	-	120
	3"	356	210	168.3	146	-	31.8	8-22.5	650	235	-	-	280
	4"	432	273	215.9	175	-	38.1	8-25.5	1000	275	395	550	340
	5"	508	330	266.7	210	-	44.5	8-28.5	1200	325	430	580	550
	6"	559	356	292.1	241	-	47.7	12-28.5	-	-	495	620	800
	8"	660	419	349.2	302	-	55.6	12-32	-	-	595	680	1700
	10"	787	508	431.8	356	-	63.5	16-35	-	-	680	740	2800
	12"	838	559	489.0	413	-	66.7	20-35	-	-	790	850	4200

WAFER TYPE BALL VALVE

Q71F



Main parts and materials

No.	Pneumatic flange ball valve		Material name			
1	阀体	Body	A351 CF8	A351 CF8M	A216 WCB	
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	

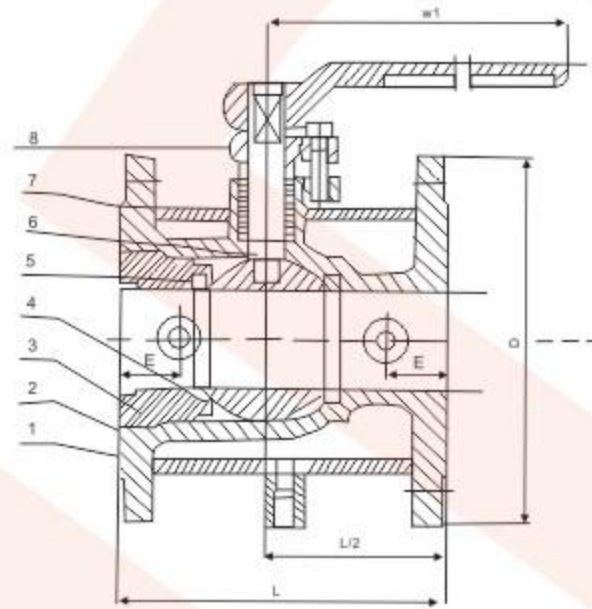
PN16 Main external and connection dimension

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

JACKET INSULATED BALL VALVE

BQ41F



Main parts and materials

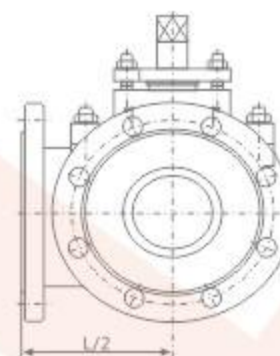
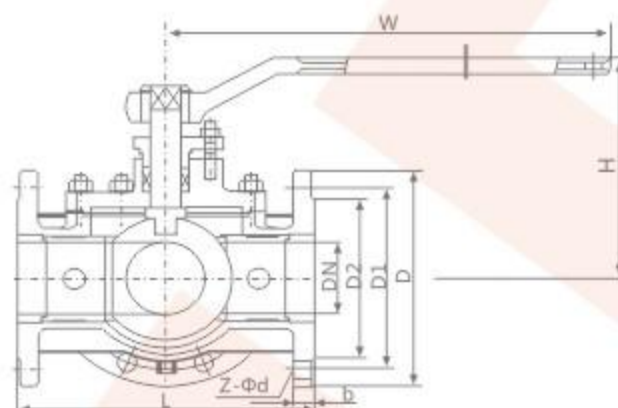
No.	Pneumatic flange ball valve	Material name		
1	Jacket	25	25	25
2	valve seat	WCB	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti
3	valve body	WCB	CF8(304)	CF8M(316)
4	seal ring	Polytetrafluoroethylene, para polystyrene		
5	sphere	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti
6	Stem	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti
7	filler	Polytetrafluoroethylene, para polystyrene		
8	Packing gland	WCB	CF8(304)	CF8M(316)

Note: The materials of the main components and sealing surfaces can be designed and selected according to actual conditions or special user requirements.

DN	Main external and connection dimension								Size of jacket connection		DN(mm)
	L	D	D1	D2	b	f	Z-Φd	H	female connection	Flange connection	
15	130	95	65	45	14	2	4-Φ14	78	G3/8	15	32
20	150	105	75	55	14	2	4-Φ14	84	G3/8	15	40
25	160	115	85	65	14	2	4-Φ14	95	G1/2	15	50
32	165	135	100	78	16	2	4-Φ18	150	G1/2	15	65
40	180	145	110	85	16	3	4-Φ18	150	G1/2	15	65
50	200	160	125	100	16	3	4-Φ18	190	G1/2	15	80
65	220	180	145	120	18	3	4-Φ18	195	G1/2	20	125
80	250	195	160	135	20	3	8-Φ18	215	G1/2	20	150
100	280	215	180	155	20	3	8-Φ18	250	G1/2	20	200
125	320	245	210	185	22	3	8-Φ18	285	G1/2	20	200
150	360	280	240	210	24	3	8-Φ23	370	G1/2	20	250

STAINLESS STEEL FLANGE THREE-WAY BALL VALVE

Q44/644/944/45/645/945F-16C/P



L-type



T-type

Main external and connection dimension

JB/T79.1

DN	Main external and connection dimension								WT(kg)
	L	D	D1	D2	b	Z-Φd	H	W	
Q44F-16C Q44F-16P Q644F-16C Q644F-16P Q944F-16C Q944F-16P Q45F-16C Q45F-16P Q645F-16C Q645F-16P Q945F-16C Q945F-16P									
15	150	95	65	45	14	4-Φ14	95	140	4
20	160	105	75	55	14	4-Φ14	105	160	8
25	180	115	85	65	14	4-Φ14	113	180	7
32	200	135	100	78	16	4-Φ18	135	250	12
40	220	145	110	85	16	4-Φ18	142	300	15
50	240	160	125	100	16	4-Φ18	165	350	20
65	260	180	145	120	18	4-Φ18	175	350	25
80	280	195	160	135	20	8-Φ18	190	400	36
100	320	215	180	155	20	8-Φ18	225	500	51
125	380	245	210	185	22	8-Φ18	245	600	77
150	440	280	240	210	24	8-Φ23	265	800	108
200	550	335	295	265	26	12-Φ23	305	800	126
250	670	405	355	320	30	12-Φ25	370	1300	185

STAINLESS STEEL FLANGE THREE-WAY BALL VALVE

Main external and connection dimension

JB/T79.1

DN	Main external and connection dimension								WT(kg)
	L	D	D1	D2	D6	b	Z-Φd	H	
	Q44F-40 Q45F-40P Q644F-40 Q644F-40P Q944F-40 Q944F-40P Q45F-40 Q45F-40P Q644F-40 Q644F-40P Q944F-40 Q944F-40P								
15	150	95	65	45	16	4-Φ14	95	100	4
20	160	105	75	55	16	4-Φ14	105	160	5
25	180	115	85	65	16	4-Φ14	113	160	8
32	200	135	100	78	18	4-Φ18	135	250	13
40	220	145	110	85	18	4-Φ18	142	250	19
50	240	160	125	100	20	4-Φ18	154	350	27
65	260	180	145	120	22	8-Φ18	175	350	33
80	280	195	160	135	22	8-Φ18	190	450	40
100	320	230	190	160	24	8-Φ23	225	450	53
125	380	270	220	188	28	8-Φ25	245	600	86
150	440	300	250	218	30	8-Φ25	265	800	113
200	550	360	310	278	34	12-Φ25	305	1200	133
250	670	425	370	332	36	12-Φ30	370	1400	219

Main external and connection dimension

JB/T79.2

DN	Main external and connection dimension								WT(kg)
	L	D	D1	D2	D6	b	Z-Φd	H	
	Q44F-40 Q45F-40P Q644F-40 Q644F-40P Q944F-40 Q944F-40P Q45F-40 Q45F-40P Q644F-40 Q644F-40P Q944F-40 Q944F-40P								
15	180	95	65	45	40	16	4-Φ14	100	4
20	190	105	75	55	51	16	4-Φ14	160	5
25	200	115	85	65	58	16	4-Φ14	160	8
32	210	135	100	78	66	18	4-Φ18	250	13
40	230	145	110	85	76	18	4-Φ18	250	19
50	250	160	125	100	88	20	4-Φ18	350	27
80	310	195	160	135	121	22	8-Φ18	450	40
100	350	230	190	160	150	24	8-Φ23	450	53
125	381	270	220	188	176	28	8-Φ25	600	86
150	403	300	250	218	204	30	8-Φ25	800	113
200	502	375	320	282	260	38	12-Φ30	1200	133
250	568	445	385	345	313	42	12-Φ34	1400	219