



Product design

We've been aiming for the perfect product design all the time
Strict design and manufacture



Quality guarantee

A complete quality control system ensures that the whole design and manufacturing process



Technical consultation

RST can provide consultations in technology or application for you. Please contact our regional customer service representatives.



Quick maintenance service

RST Service Center can help you solve possible technical or quality problems and also provide professional maintenance/replacement service for you as soon as possible.



Customized information service

RST can provide technical support at the installation and adjusting stages for customers as required.

KCM TECHNOLOGY GROUP

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MADE IN CHINA FOCUS ON WORLD

www.kcmtech-valve.com



KCM TECHNOLOGY GROUP

DREAM TEAM

RESONANT-BRILLIANT NON-STOP ONE TEAM ONE DREAM

One team.  One dream.



BRIEF INTRODUCTION



Situated in Yongqiang Hi-tech Park, Longwan District, Wenzhou, a China hometown for valves where is the origin of Chinese private economy, KCM technology group Co., Ltd is an innovative high-tech key enterprise integrating R&D, design, production, sales and service.

Now KCM has five branch companies, has more than 500 staff, involving 3 senior engineers and 2 senior administrator of professional title. And the group has established EPR management system and advanced examination and test center of valve performance, as well as CAD valve design center, 3D analogue design system of manufacture, and introduced some special equipments including direct reading spectrograph, stress test bench, chemical composition analyzer, mechanical performance tester, hardness tester, spectrograph, ultrasonic thickness gage and so on, which forms a first class capacity of production and test of valves to ensure the powerful guarantee for producing high quality valves. In this case, the company has obtained ISO9001, ISO14001, OHSAS18001, CE, TS and so on; and fulfilled the confirmation of standardized good system and metering examination system; and got the self-support right to import and export.

Products in the company cover high, low-pressure valves including flanged end ball valve, gate valve, globe valve, y-strainer, check valve, camlock coupling, pipe fittings, etc., in accordance with domestic and foreign advanced standards like ANSI, API, JIS, BS, DIN, GOST. They are widely used in industries like petroleum, chemicals, nature gas, food industry, power supply, pharmacy, metallurgy, water supply and so on.

Since the establishment of KCM, the products are sold to Europe, USA, and Middle East, Africa and many other countries and regions, and win the trust and praise of domestic and foreign customers. The company meets the needs of vast customers with reasonable price and thorough pre-sale, in-sale, after-sale service abiding by the goal of creating a first-brand brand of KCM. KCM forges ahead with broad minds, and warmly welcome domestic and foreign customers to visit and negotiate business with us. KCM is looking forward to strengthening cooperation with various sectors of society to create brilliancy together.

www.kcmtech-valve.com



KCM TECHNOLOGY GROUP CO.,LTD



MADE IN CHINA FOCUS ON WORLD

We own advanced production equipment and produce high-quality products with international standard. We hope that every product can exert their performances during effective life by our perfect design, manufacture and service.



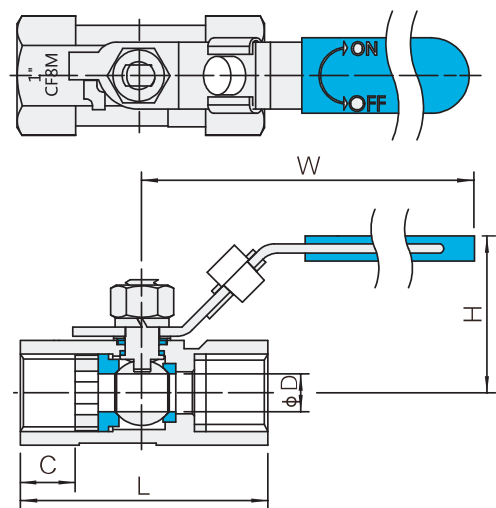
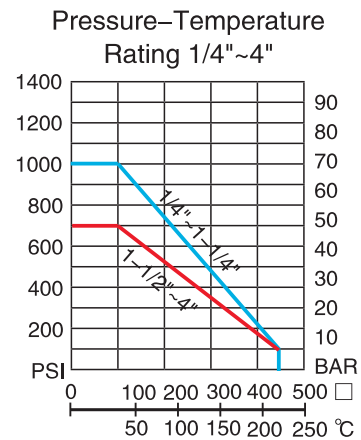
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Products Standard

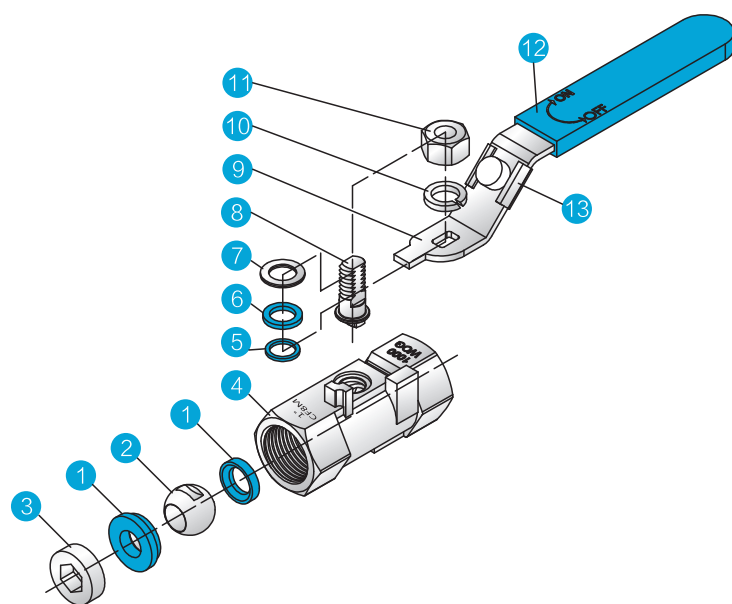
- ◆Blow-Out Proof Stem
- ◆Investment Casting Body
- ◆All Kinds Of Thread Available
- ◆Locking Device Handle Available
- ◆Reduce port
- ◆Thread Acc H: ANSI B1.20.1
BS 21, DIN 2999, ISO 7-1
- ◆Inspection & Testing Acc: API 598
- ◆Seat: PTFE, Glass filled PTFE, Carbon filled PTFE available



Size	φd	L	H	W	C	Torque N.M	End
1/4"	5	40	28	75	10	3	BSPT NPT BSPP ...
3/8"	7	45	31	90	10.5	3	
1/2"	9	57	34	95	13.5	3	
3/4"	12	60	43	95	14	4.5	
1"	15	72	52	111	16.5	5	
1-1/4"	20	78	52	124	19	7	
1-1/2"	25	89	65	139	19	8	
2"	32	102	70	152	23.5	16	
2-1/2"	38	126	95	200	31.5	21	
3"	48	150	102	200	32	26	
4"	65	192	133	250	44	40	

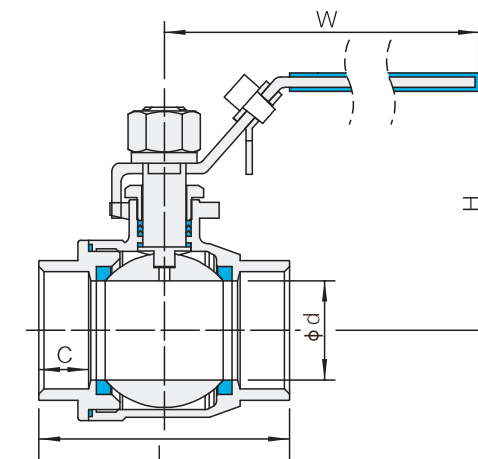
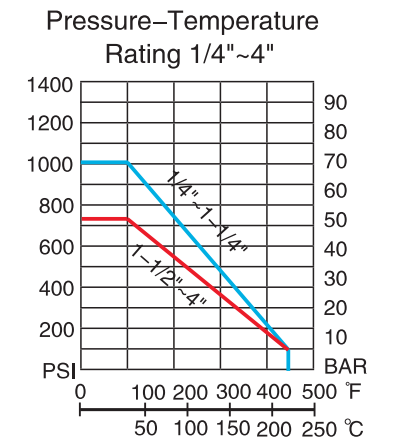
Materials of Main Construction

Item No.	Part Name	Material		
1	Seat	PTFE		
2	Ball	SS316	SS304	
3	Cap Plug	CF8M	CF8	
4	Body	CF8M	CF8	WCB
5	Thrust Washer	PTFE		
6	Stem Packing	PTFE		
7	Gland Ring	SS304		
8	Stem	SS316	SS304	
9	Handle	SS201		
10	Spring Washer	SS304		
11	Stem Nut	SS304		
12	Handle Cover	PLASTIC		
13	Locking Device	SS201		



Products Standard

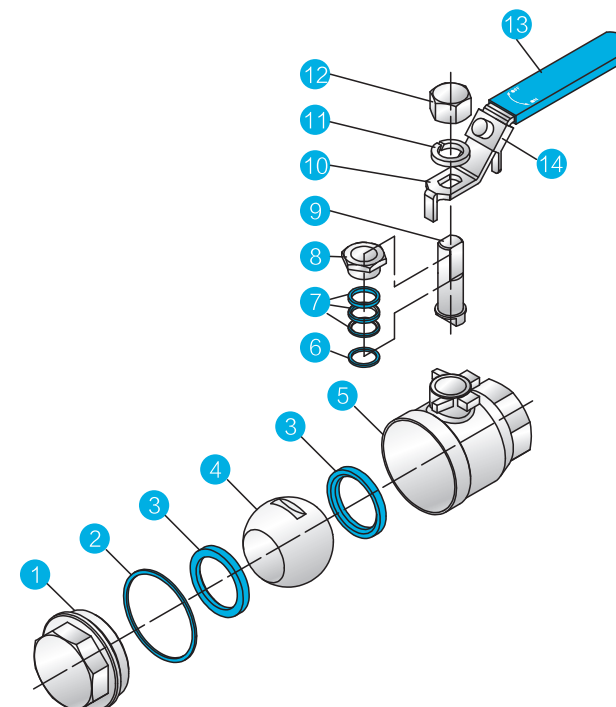
- ◆Blow-Out Proof Stem 防爆阀杆
- ◆Investment Casting Body 精密铸造阀体
- ◆Full Port 全通径设计
- ◆All Kinds Of Thread Available 各种螺纹标准
- ◆Locking Device Handle Available 带锁手柄选配
- ◆Thread Acc 螺纹标准: ANSI B1.20.1
BS 21, DIN 2999, ISO 7-1
- ◆Inspection & Testing Acc 检测标准: API 598
- ◆Seat: PTFE, Glass filled PTFE, Carbon filled PTFE available



Size	φd	L	H	W	C	Torque N.M	End
1/4"	10.5	48	51.5	100	10	4	BSPP BSPT NPT PT DIN ...
3/8"	10.5	46	51.5	100	10	4	
1/2"	14	58	57.5	100	12.5	5	
3/4"	19	64	64.5	120	13	7	
1"	24	76	68	120	15.5	9	
1-1/4"	31	87	79.5	150	17.5	16	
1-1/2"	38	96	90.5	170	18	23	
2"	48	114	98	170	18	26	
2-1/2"	64	142	122	250	24	50	
3"	76	164	132	250	27.5	86	
4"	98	197	163	300	28	118	

Materials of Main Construction

Item No.	Part Name	Material		
1	Cap	CF8M	CF8	WCB
2	Body Gasket	PTFE		
3	Seal Seat	PTFE		R-PTFE
4	Ball	SS316		SS304
5	Body	CF8M	CF8	WCB
6	Thrust Washer	PTFE		
7	Stem Packing	PTFE		
8	Gland Ring	SS304		
9	Stem	SS316		SS304
10	Handle	SS201		
11	Spring Washer	SS304		
12	Stem Nut	SS304		
13	Handle Cover	Plastic		
14	Locking Device	SS201		

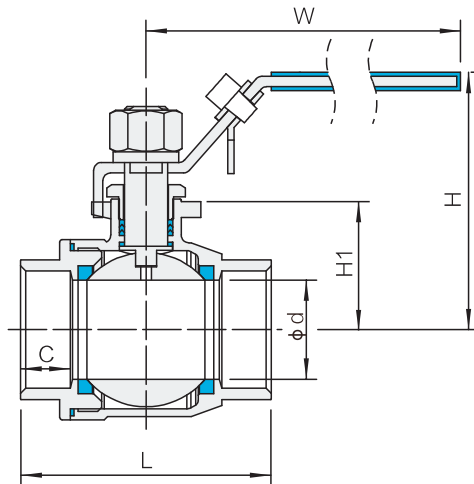
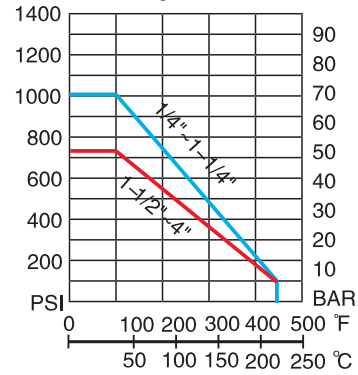




Products Standard

- ◆Blow-Out Proof Stem
- ◆Investment Casting Body
- ◆Full Port
- ◆Face to Face:DIN3202-M3
- ◆All Kinds Of Thread Available
- ◆Locking Device Handle Available
- ◆Design Acc: ASME B16.34
- ◆Thread Acc: ANSIB1.20.1
BS 21, DIN 2999 , ISO 7-1
- ◆Inspection & Testing Acc : API 598
- ◆Seat:PTFE,Glass filled PTFE Carbon filled PTFE available

Pressure-Temperature Rating 1/4"~4"



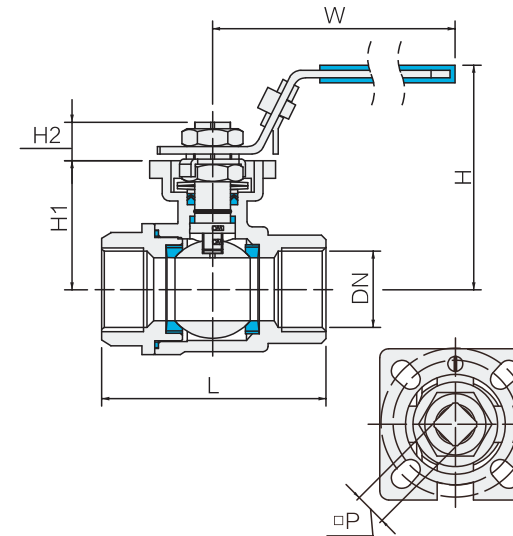
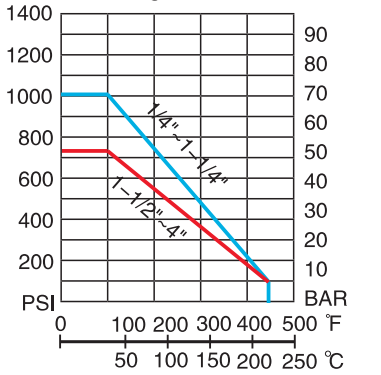
Size	φd	L	H	H1	W	C	Torque N.M	End
1/4"	10.5	50	51.5	20.5	98	11	4	BSPP BSPT NPT PT DIN ...
3/8"	12	60	58	25	98	12	4	
1/2"	15	75	64.5	28	120	16	5	
3/4"	20	80	67	30.5	120	16	7	
1"	25	90	78.5	39	150	19	9	
1-1/4"	32	110	83.5	44	150	22	16	
1-1/2"	38	120	98	54	170	23	23	
2"	48	140	107	63	170	25	26	
2-1/2"	65	185	133	80.5	250	36	50	
3"	78	205	143.5	91	250	36	86	
4"	98	240	168	107.5	300	41.5	118	



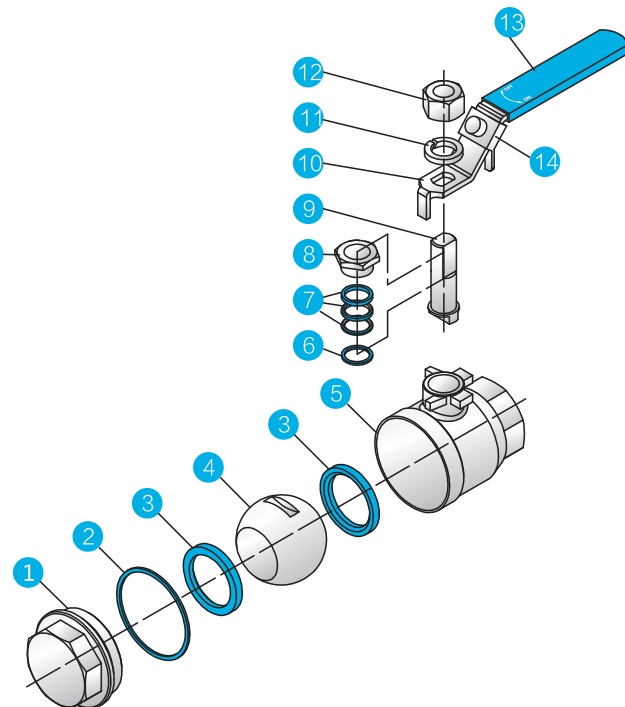
Products Standard

- ◆Blow-Out Proof Stem
- ◆Investment Casting Body
- ◆Full Port
- ◆ISO5211 Direct Mounting pad
- ◆Locking Device Handle Available
- ◆Design Acc: ASME B16.34
- ◆Thread Acc: ANSI B1.20.1 , BS 21
DIN 2999 ISO 7-1
- ◆Inspection & Testing Acc: API 598
- ◆Seat:PTFE,Glass filled PTFE Carbon filled PTFE available

Pressure-Temperature Rating 1/4"~4"

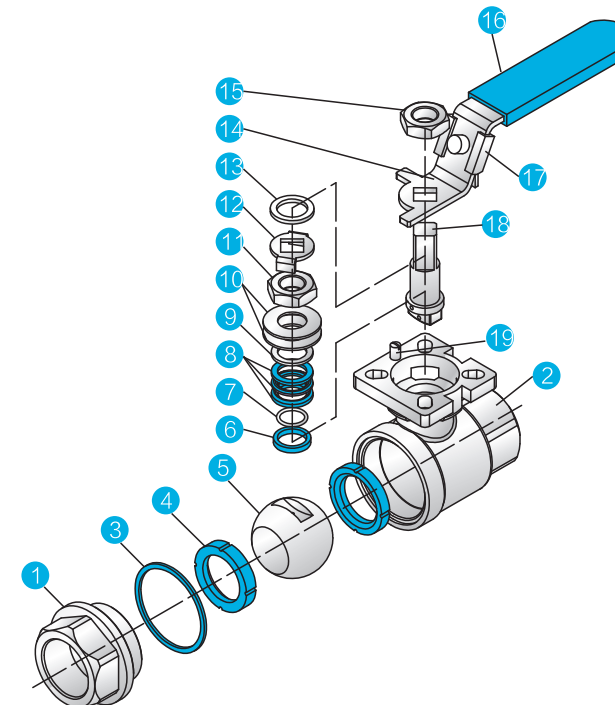


Size	DN	L	H	H1	H2	W	□ P	Torque N.M	ISO5211
1/4"	10	50	57	30	7.5	110	9	4	F03/F04
3/8"	12	50	57	30	7.5	110	9	4	F03/F04
1/2"	15	60	65	37	8	110	9	5	F03/F04
3/4"	20	70	67	40	8	110	9	7	F03/F04
1"	25	90	80	49	10	130	11	9	F04/F05
1-1/4"	32	95	83	53	10	160	11	16	F04/F05
1-1/2"	38	106	99	62	14	185	14	21	F05/F07
2"	48	120	107	70	14	185	14	25	F05/F07
2-1/2"	65	160	165	93	18.5	250	17	48	F07/F10
3"	78	180	180	106	18.5	250	17	82	F07/F10
4"	98	220	200	126	18.5	310	19	113	F07/F10



Materials of Main Construction

Item No.	Part Name	Material		
1	Cap	CF8M	CF8	WCB
2	Body Gasket	PTFE		
3	Seal Seat	PTFE		R-PTFE
4	Ball	SS316		SS304
5	Body	CF8M	CF8	WCB
6	Thrust Washer	PTFE		
7	Stem Packing	PTFE		
8	Gland Ring	SS304		
9	Stem	SS316		SS316
10	Handle	SS201		
11	Spring Washer	SS304		
12	Stem Nut	SS304		
13	Handle Cover	Plastic		
14	Locking Device	SS201		



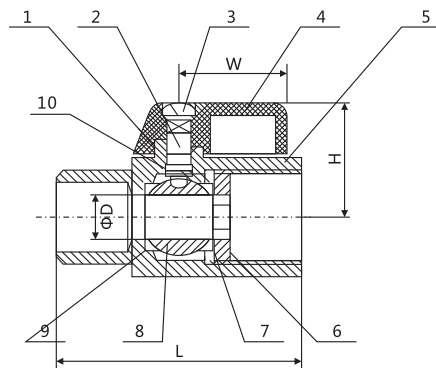
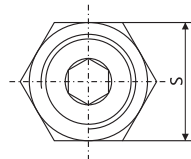
Materials of Main Construction

Item No.	Part Name	Material		
1	Cap	CF8M	CF8	WCB
2	Body	CF8M	CF8	WCB
3	Seal Gasket	PTFE		R-PTFE
4	Seat	PTFE		R-PTFE
5	Ball	SS316		SS304
6	Thrust Washer	PTFE		
7	O-Ring	VITON		
8	Stem Packing	PTFE		
9	Gland	SS304		
10	Spring Washer	SS304		
11	Gland Nut	SS304		
12	Stop Washer	SS304		
13	Gland	SS304		
14	Handle	SS201		
15	Stem Nut	SS304		
16	Handle Cover	Plastic		
17	Locking Device	SS201		
18	Stem	SS316	SS304	
19	Locking Bolt	SS304		



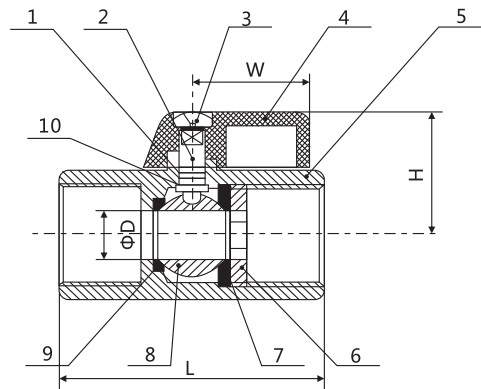
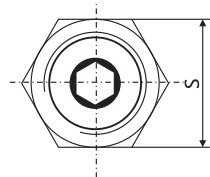
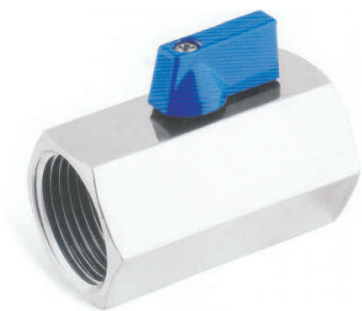
Features

- ◆1000PSI/PN63
- ◆Reduce Port
- ◆Investment Casting
- ◆Blow-out proof Stem
- ◆External polished
- ◆Max temperture -25℃ to 180℃
- ◆PTFE seats & seals
- ◆Thread: ASME B1.20.1 BS21.DIN2999/259
- ◆ISO228-1, JIS B 0203, ISO7/1
- ◆Inspection Testing: API1598, EN12266



Features

- ◆1000PSI/PN63
- ◆Reduce Port
- ◆Investment Casting
- ◆Blow-out proof Stem
- ◆External polished
- ◆Max temperture -25℃ to 180℃
- ◆PTFE seats & seals
- ◆Thread: ASME B1.20.1 BS21.DIN2999/259
- ◆ISO228-1, JIS B 0203, ISO7/1
- ◆Inspection Testing: API1598, EN12266



Materials List

Item	Designation	QTY	Material
1	O-ring	2	VITON
2	Stem	1	304/316
3	Bolt	1	304
4	Lever	1	ALUMINUM ALLOY
5	Body	1	CF8/CF8M
6	Cap	1	CF8/CF8M
7	Ball Seat(a)	1	PTFE
8	Ball	1	304/316
9	Ball Seat(b)	1	PTFE
10	Thrust Washer	1	PTFE

Materials List

Item	Designation	QTY	Material
1	O-ring	2	VITON
2	Stem	1	304/316
3	Bolt	1	304
4	Lever	1	ALUMINUM ALLOY
5	Body	1	CF8/CF8M
6	Cap	1	CF8/CF8M
7	Ball Seat(a)	1	PTFE
8	Ball	1	304/316
9	Ball Seat(b)	1	PTFE
10	Thrust Washer	1	PTFE

Dimensions List(mm)

Item	Size	1/4"	3/8"	1/2"	3/4"	1"
D		8	8	9.2	12.5	15
L		39	41	46	55	65
H		26.5	26.5	28.3	31.5	34
W		22.8	22.8	22.8	22.8	22.8
S		21	21	24.5	31	38

Note: If the thread is taper type (NPT/BSPT), the nominal diameter is 7MM.

Dimensions List(mm)

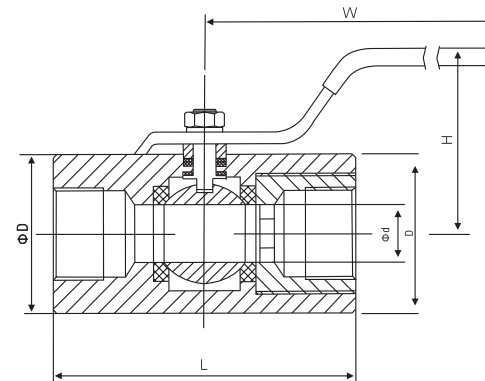
Item	Size	1/4"	3/8"	1/2"	3/4"	1"
D		8	8	9.2	12.5	15
L		39	41	46	55	65
H		26.5	26.5	28.3	31.5	34
W		22.8	22.8	22.8	22.8	22.8
S		21	21	24.5	31	38

Note: If the thread is taper type (NPT/BSPT), the nominal diameter is 7MM.

Features

Reduced Port
 W.P.: 2000WOG (PN150)
 W.T.: -20°C~200°C (-4° F~392° F)
 1/4"-4"
 Blow-out proof stem
 Anti-static device (option)
 NACE Mr0175

Thread End:
 ANSI B1.20.1 (NPT)
 ISO228/1 & ISO7/1
 DIN2999 & BS21 (BSPT)



Material List

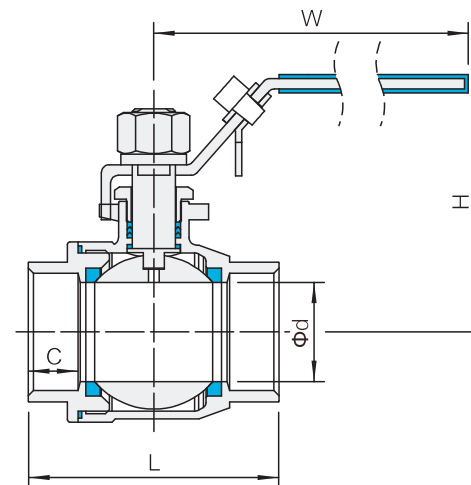
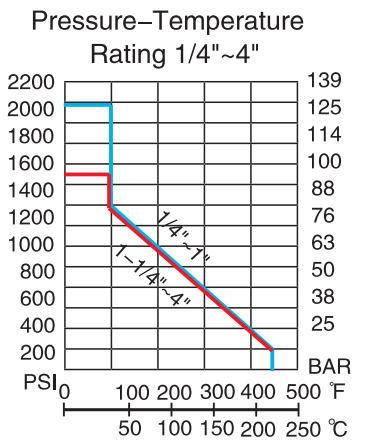
No.	Component Name	Material
1	Body	ASTM A105
2	Seytretainer	ASTM A105
3	Ball	ASTM A351-CF8
4	Seat	RTFE
5	Gasket	PTFE
6	Stem	ASTM A351-CF8
7	Gland Ring	ALSL 304
8	Packing	RTFE
9	Thrust Washer	RTFE
10	Spring Washer	AISI 304
11	Nut	AISI 304
12	Handle	ALSI 201
13	Handle Sleeve	PVC

Dimension List

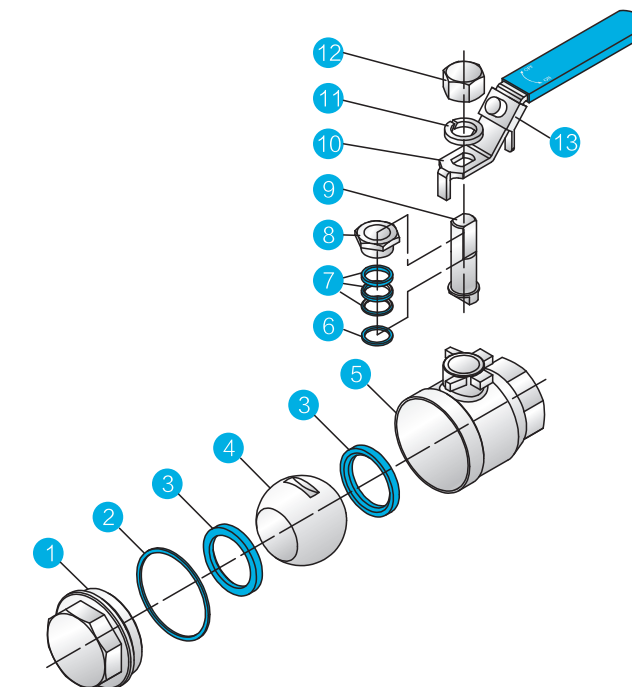
SIZE	1/4"	3/8"	1/2"	3/4"	1	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"
d	5	7	9.2	12.5	15	20	25	32	38	50	65
D	19	23	29	35	41	55	60	73	95	110	130
H	29	35	66	69	75	78	85	98	95	105	117
L	44	48	56	65	86	92	96	114	127	151	195
W	61	80	104	107	118	146	148	150	180	180	220

Products Standard

♦Blow-Out Proof Stem
 Investment Casting Body
 Full Port
 2000PSI, PN120
 ♦All Kinds Of Thread Available
 Locking Device Handle Available
 Design Acc: ASME B16.34: ANSI B16.34
 ♦Thread Acc: ANSIB1.20.1
 BS 21, DIN 2999, ISO 7-1
 ♦Inspection & Testing Acc: API 598
 ♦Seat: PTFE, Glass filled PTFE
 Carbon filled PTFE available



Size	Φd	L	H	W	C	Torque N.m	End
1/4"	10.5	58	58	100	11	4	BSPP BSPT NPT DIN ...
3/8"	10.5	58	58	100	12	4	
1/2"	15	65	62.5	120	13.5	5	
3/4"	20	73	67	135	14.5	7	
1"	25	82	80.5	160	17.5	9	
1-1/4"	32	92	85.5	160	19	16	
1-1/2"	38	109	102	180	21	23	
2"	48	122	110	180	23	26	



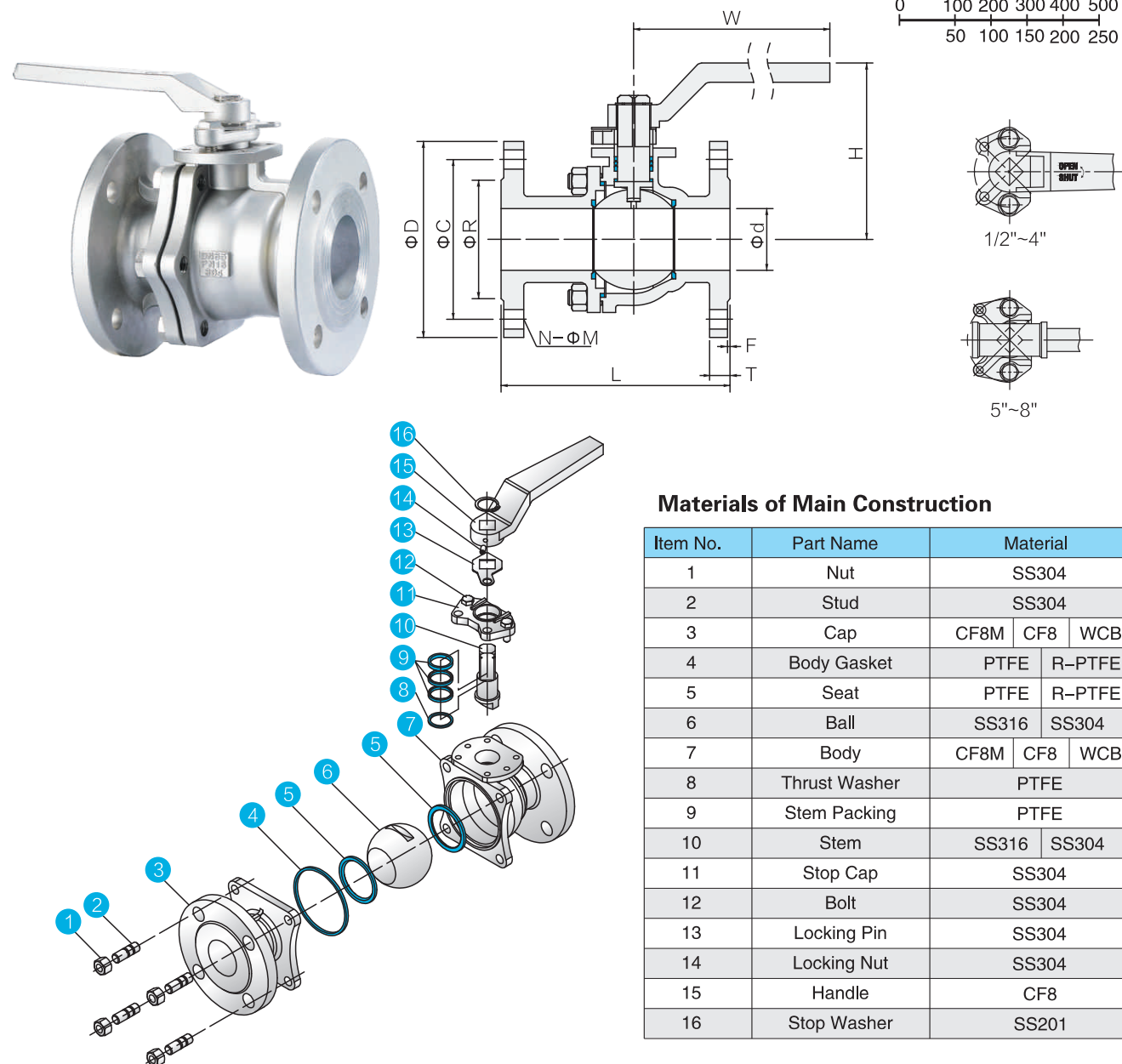
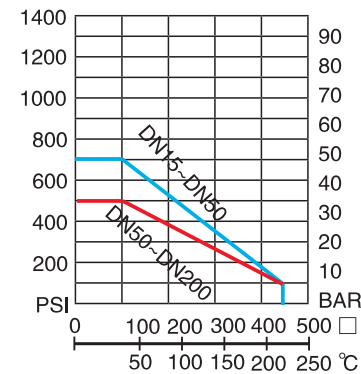
Materials of Main Construction

Item No.	Part Name	Material		
1	Cap	CF8M	CF8	WCB
2	Body Gasket	PTFE		
3	Seal Seat	PTFE	R-PTFE	
4	Ball	SS316	SS304	
5	Body	CF8M	CF8	WCB
6	Thrust Washer	PTFE		
7	Stem Packing	PTFE		
8	Gland nut	SS304		
9	Stem	SS316	SS304	
10	Handle	SS201		
11	Spring Washer	SS304		
12	Stem Nut	SS304		
13	Locking Device	SS201		

Products Standard

- ◆Blow-Out Proof Stem
- ◆Investment Casting Body
- ◆Full Port
- ◆Face to Face: ANSI B16.10/JIS B2002/DINPN16-40
- ◆Casting Handle
- ◆Fire-Safe Design Available Acc: API 607
- ◆Design Acc: ASME B16.34
- ◆Flange Standard: ASME 16.5/JIS B2220/DIN 2633
- ◆Inspection & Testing Acc: API 598
- ◆Seat: PTFE, Glass filled PTFE, Carbon filled PTFE available

Pressure-Temperature Rating DN15~DN200



Materials of Main Construction

Item No.	Part Name	Material
1	Nut	SS304
2	Stud	SS304
3	Cap	CF8M CF8 WCB
4	Body Gasket	PTFE R-PTFE
5	Seat	PTFE R-PTFE
6	Ball	SS316 SS304
7	Body	CF8M CF8 WCB
8	Thrust Washer	PTFE
9	Stem Packing	PTFE
10	Stem	SS316 SS304
11	Stop Cap	SS304
12	Bolt	SS304
13	Locking Pin	SS304
14	Locking Nut	SS304
15	Handle	CF8
16	Stop Washer	SS201

ANSI 150# unit:mm

Size	φd	L	H	H2	W	φR	φC	φD	□ P	N-φ M	T	F	Torque N.M	ISO 5211
1/2"	15	108	77	8	110	35	60.5	89	9	4-16	11.2	1.6	7	F03/F04
3/4"	20	117	89	8	110	43	70	98	9	4-16	11.2	1.6	9	F03/F04
1"	25	127	92	10	160	51	79.5	108	11	4-16	12.0	1.6	11	F04/F05
1-1/4"	32	140	97	10	160	64	89	117	11	4-16	12.7	1.6	18	F04/F05
1-1/2"	38	165	111	14	185	73	98.5	127	14	4-16	14.3	1.6	23	F05/F07
2"	50	178	120	14	185	92	120.5	152	14	4-19	15.9	1.6	28	F05/F07
2-1/2"	65	190	145	18	250	105	139.5	178	17	4-19	17.5	1.6	55	F07/F10
3"	78	203	156	18	280	127	152.5	190.5	17	4-19	19.1	1.6	90	F07/F10
4"	100	229	168	18	310	157	190.5	229	19	8-19	23.9	1.6	120	F07/F10

JIS 10K unit:mm

Size	φd	L	H	H2	W	φR	φC	φD	□ P	N-φ M	T	F	Torque N.M	ISO 5211
1/2"	15	108	77	8	110	51	70	95	9	4-15	12	1	7	F03/F04
3/4"	20	114	89	8	110	56	75	100	9	4-15	14	1	9	F03/F04
1"	25	127	92	10	160	67	90	125	11	4-19	14	1	11	F04/F05
1-1/4"	32	140	97	10	160	76	100	135	11	4-19	16	2	18	F04/F05
1-1/2"	38	165	111	14	185	81	105	140	14	4-19	16	2	23	F05/F07
2"	50	178	120	14	185	96	120	155	14	4-19	16	2	28	F05/F07
2-1/2"	65	190	145	18	250	116	140	175	17	4-19	18	2	55	F07/F10
3"	78	203	156	18	280	126	150	185	17	8-19	18	2	90	F07/F10
4"	100	229	168	18	310	151	175	210	19	8-19	18	2	120	F07/F10

DIN PN16 unit:mm

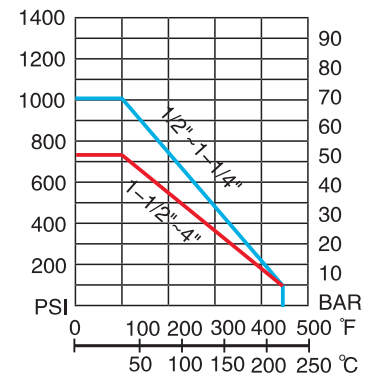
Size	φd	L	H	H2	W	φR	φC	φD	□ P	N-φ M	T	F	TORQUE N.M	ISO 5211
1/2"	15	130	77	8	110	45	65	95	9	4-14	14	2	7	F03/F04
3/4"	20	150	89	8	110	58	75	105	9	4-14	16	2	9	F03/F04
1"	25	160	92	10	160	68	85	115	11	4-14	16	2	11	F04/F05
1-1/4"	32	180	97	10	160	78	100	140	11	4-18	16	2	18	F04/F05
1-1/2"	38	200	111	14	185	88	110	150	14	4-18	16	3	23	F05/F07
2"	50	230	120	14	185	102	125	165	14	4-18	18	3	28	F05/F07
2-1/2"	65	290	145	18	250	122	145	185	17	4-18	18	3	55	F07/F10
3"	78	310	156	18	280	138	160	200	17	8-18	20	3	90	F07/F10
4"	100	350	168	18	310	158	180	220	19	8-18	20	3	120	F07/F10



Products Standard

- ◆Blow-Out Proof Stem
- ◆Investment Casting Body
- ◆Full Port
- ◆ISO5211 Direct Mounting pad
- ◆Locking Device Handle Available
- ◆Design Acc: ASME B16.34
- ◆Thread Acc: ANSI B1.20.1 BS 21
- ◆Inspection & Testing Acc: API 598
- ◆Seat: PTFE, Glass filled PTFE, Carbon filled PTFE available

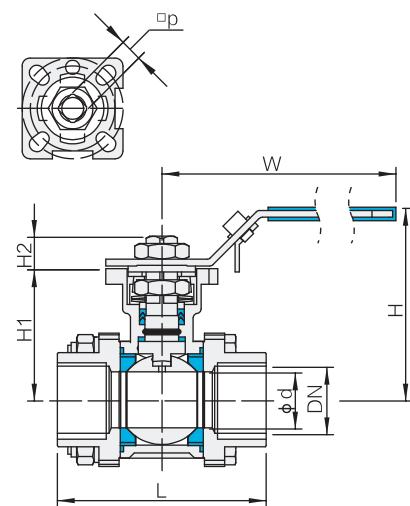
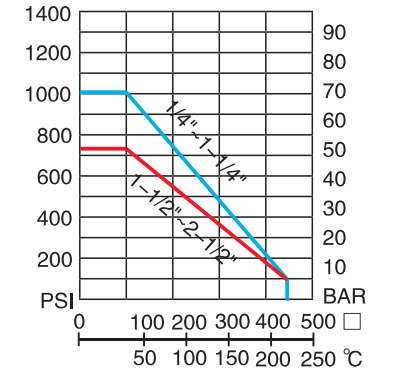
Pressure-Temperature Rating 1/2"~4"



Products Standard

- ◆Blow-Out Proof Stem
- ◆Investment Casting Body
- ◆Reduce Port
- ◆L/T Port Upon Request
- ◆ISO 5211 Direct Mounting Pad
- ◆Locking Device Handle Available
- ◆Design Acc: ASME B16.34
- ◆Thread Acc: ANSI B1.20.1
- ◆Inspection & Testing Acc: API598
- ◆Seat: PTFE, Glass filled PTFE, Carbon filled PTFE available

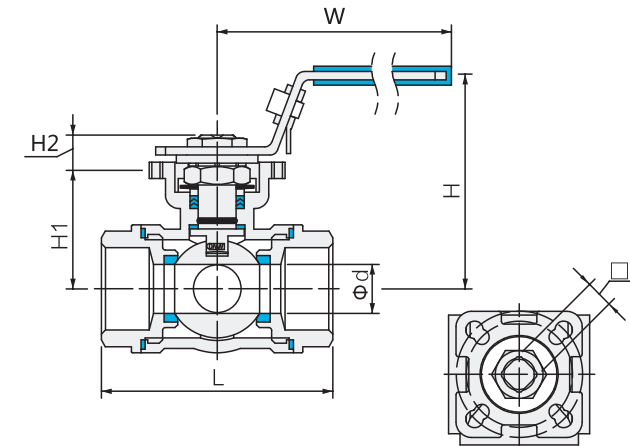
Pressure-Temperature Rating 1/4"~4"



Butt Welding End Scket Welding End

Size	DN	L	L1	H	H1	H2	W	□ P	A	Torque N.M	ISO5211
1/2"	15	75	75	70	40	7	120	9	22.5	5	F03/F04
3/4"	20	80	90	80	50	9	120	9	27	7	F03/F04
1"	25	90	100	90	57	11	135	11	34.5	10	F04/F05
1-1/4"	32	110	110	95	61	11	150	11	43	16	F04/F05
1-1/2"	40	120	125	105	76	14	185	14	49	22	F05/F07
2"	48	140	150	112	84	14	185	14	62	27	F05/F07
2-1/2"	65	185	190	174	100	16	248	17	76.5	49	F07/F10
3"	80	205	220	185	111	16	248	17	92	83	F07/F10
4"	100	240	270	205	130	16.5	310	19	115.5	115	F07/F10

L1=Butt Welding End length

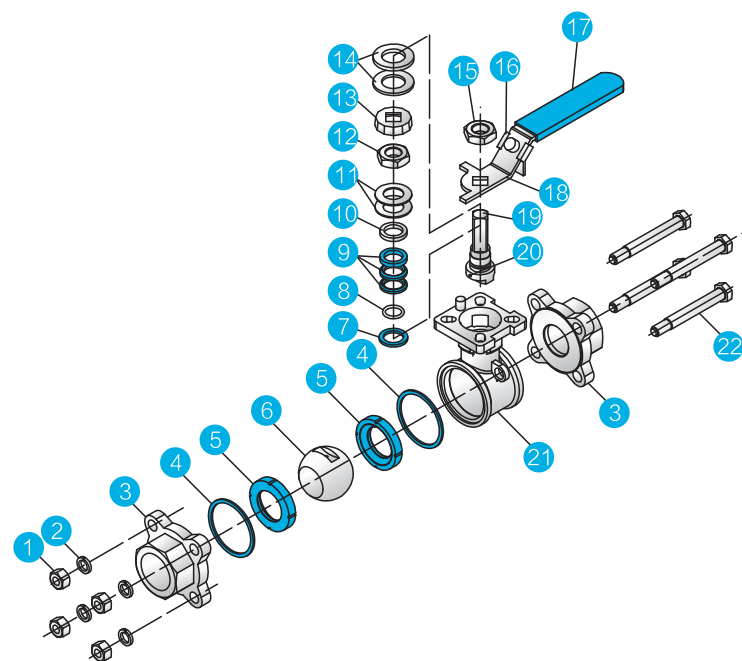


2-1/2 Size on application

Size	d	L	H	H1	H2	W	□ P	Torque N.M	ISO5211
1/4"	12	68	71	39	9	120	9	5	F03/F04
3/8"	12	68	71	39	9	120	9	7	F03/F04
1/2"	12	68	71	39	9	120	9	10	F03/F04
3/4"	15	88	74	42.5	9	120	9	16	F03/F04
1"	20	90	90	49	11	135	11	22	F04/F05
1-1/4"	25	105	95	50	11	187	11	27	F04/F05
1-1/2"	32	135	99	63.5	14	187	14	49	F05/F07
2"	38	149	108	77	14	187	14	83	F05/F07

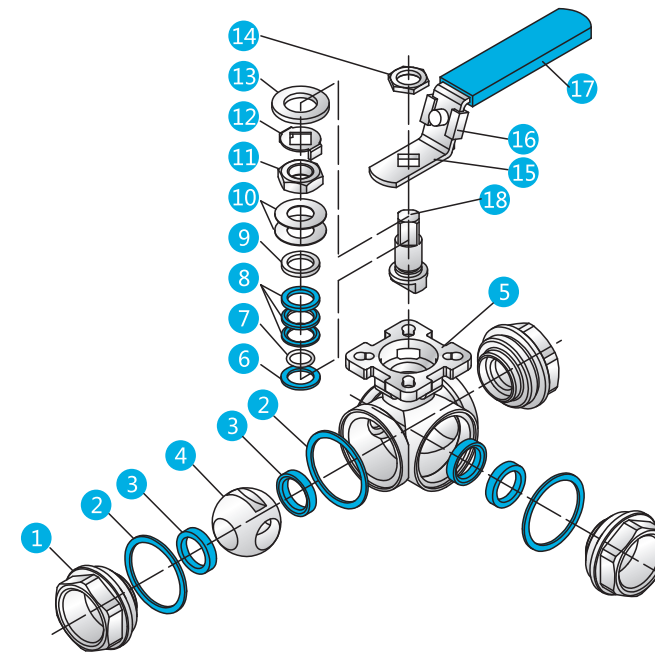
Materials of Main Construction

Item No.	Part Name	Material
1	Nut	SS304
2	Spring Washer	SS304
3	Cap	CF8M CF8 WCB
4	Body Gasket	PTFE R-PTFE
5	Seal Seat	PTFE R-PTFE
6	Ball	SS316 SS304
7	Thrust Washer	PTFE
8	O-Ring	VITON
9	Stem V-Ring Packing	PTFE R-PTFE
10	Gland	SS304
11	Belleville Washer	SS304
12	Gland nut	SS304
13	Stop Washer	SS304
14	Gland	SS304
15	Stem Nut	SS304
16	Locking Device	SS304
17	Handle Cover	PLASTIC
18	Handle	SS201
19	Stem	SS316 SS304
20	Thrust Gasket	PTFE
21	Body	CF8M CF8 WCB
22	Bolt	SS304



Materials of Main Construction

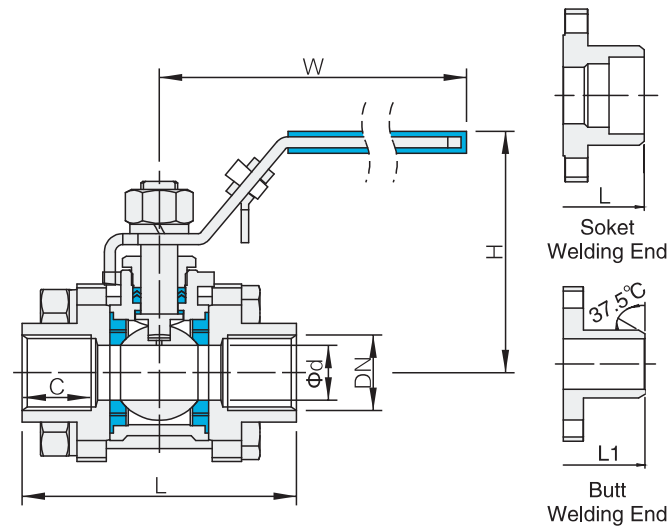
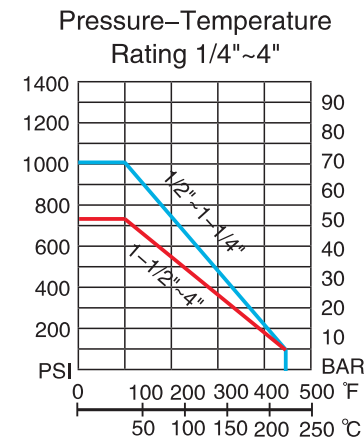
Item No.	Part Name	Material
1	Cap	CF8M CF8 WCB
2	Body Gasket	PTFE
3	Seat	PTFE R-PTFE
4	Ball	SS316 SS304
5	Body	PTFE R-PTFE
6	Thrust Washer	PTFE
7	O-Ring	VITON
8	Packing	PTFE
9	Gland	SS304
10	Belleville Washer	SS301
11	Gland nut	SS304
12	Stop Washer	SS304
13	Gasket	SS304
14	Stem Nut	SS304
15	Handle	SS201
16	Locking Device	SS201
17	Handle Cover	PLASTIC
18	Stem	SS316 SS304





Products Standard

- ◆Blow-Out Proof Stem
- ◆Investment Casting Body
- ◆Full Port
- ◆Locking Device Available
- ◆Thread Acc: ANSI B1.20.1
BS 21, DIN 2999, ISO 7-1
- ◆Inspection & Testing Acc: API 598
- ◆Seat: PTFE, Glass filled PTFE
Carbon filled PTFE available



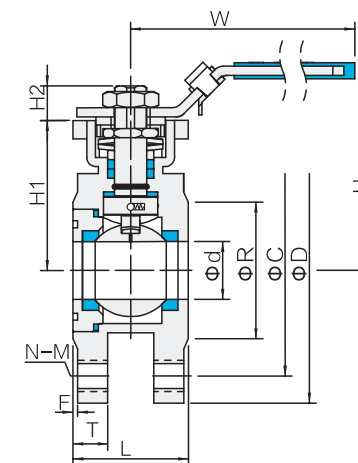
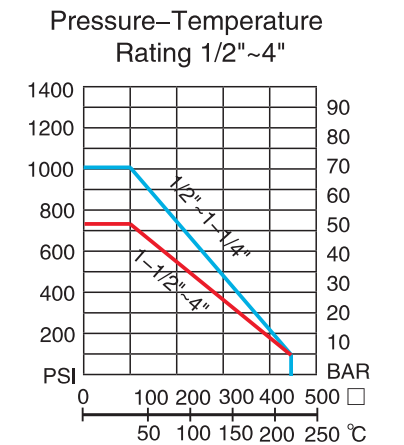
Size	DN	L	L1	H	W	C
1/4"	8	63	63	54	100	13
3/8"	10	63	63	54	100	13
1/2"	15	63	65	58.5	100	13.5
3/4"	20	70	76	64.5	120	14.5
1"	25	82	86	68	120	17
1-1/4"	32	92	98	79.5	150	18.5
1-1/2"	40	104	114	90.5	170	19
2"	50	115	132	98	170	22.5
2-1/2"	65	190	164	123	210	29
3"	80	205	182	133.5	250	29.5
4"	100	270	235	162.5	300	33

L1=Butt Welding End length



Products Standard

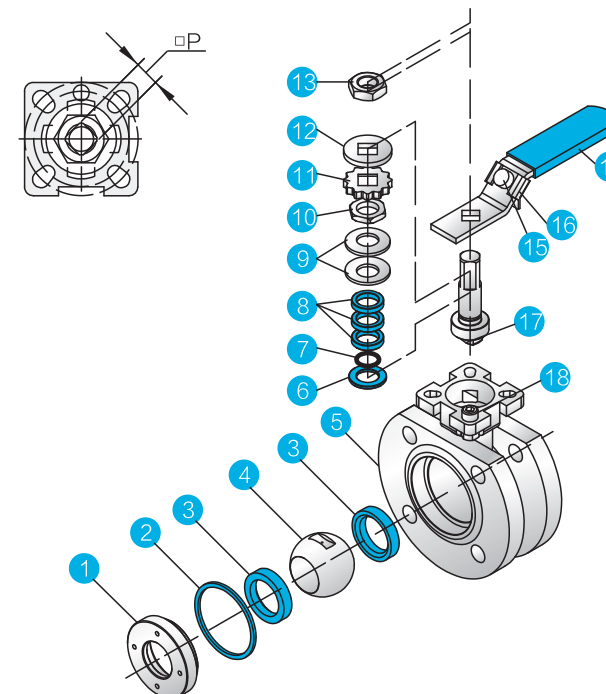
- ◆Blow-Out Proof Stem
- ◆Investment Casting Body
- ◆Full Port
- ◆Belleville Washer for Self-Adjustment
- ◆ISO5211 Direct Mounting Pad
- ◆Flange Standard: DIN2633
- ◆Design Acc: ASME B16.34
- ◆Inspection & Testing Acc: API 598
- ◆Seat: PTFE, Glass filled PTFE
Carbon filled PTFE available



PN	Size	Φd	L	H	H1	H2	ΦR	ΦC	ΦD	W	T	F	□P	N-M	ISO 5211	Torque N.M
16	1/2"	15	35	77	48.5	9	45	65	95	120	10	2	9	4-M12	F03/F04	4
	3/4"	20	42	85	54	9	58	75	105	120	12	2	9	4-M12	F03/F04	5
	1"	25	48	94	60	11	68	85	115	137	15	2	11	4-M12	F04/F05	5
	1-1/4"	32	55	104	72	11	78	100	140	187	15	2	11	4-M12	F04/F05	7
	1-1/2"	38	65	114	77	14	88	100	145	187	16	3	14	4-M16	F05/F07	9
40	2"	50	75	120	86	14	102	125	160	187	18	3	14	4-M16	F05/F07	16
	2-1/2"	65	95	160	108	17	122	145	180	315	18	3	17	4-M16	F07/F10	21
	3"	80	118	170	116	17	138	160	195	315	20	3	17	8-M16	F07/F10	25
	4"	100	140	182	138	17	162	190	215	315	20	3	19	8-M16	F07/F10	46

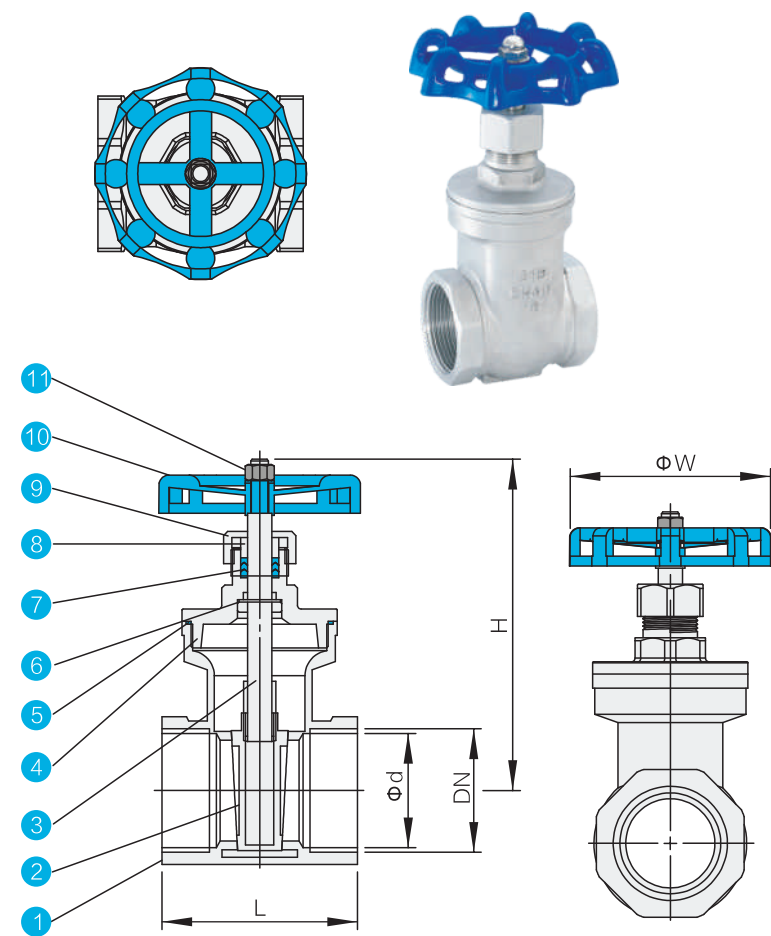
Materials of Main Construction

Item No.	Part Name	Material
1	Nut	A2-70
2	Spring Washer	SS304
3	Cap	CF8M CF8 WCB
4	Body Gasket	PTFE R-PTFE
5	Seal Seat	PTFE R-PTFE
6	Ball	SS316 SS304
7	Body	CF8M CF8 WCB
8	Thrust Washer	PTFE
9	Stem Packing	PTFE
10	Gland Nut	SS304
11	Spring Washer	SS304
12	Stem Nut	SS304
13	Handle	SS201
14	Locking Device	SS201
15	Handle Cover	Plastic
16	Stem	SS316 SS04
17	Bolt	A2-70



Materials of Main Construction

Item No.	Part Name	Material
1	Cap	CF8M CF8 WCB
2	Body Gasket	PTFE
3	Ball Seat	PTFE
4	Ball	SS316 SS304
5	Body	CF8M CF8 WCB
6	Thrust Washer	PTFE
7	O-Ring	VITON
8	V-Ring Packing	PTFE
9	Gland nut	SS304
10	Belleville Washer	SS301
11	Stop Nut	SS304
12	Washer	SS304
13	Stem Nut	SS304
14	Handle cover	SS304
15	Handle	SS201
16	Locking	SS201
17	Stem	SS316 SS304
18	Locking bolt	SS304



Products Standard

- ◆Investment Casting Body
- ◆200 WOG
- ◆Metal to Metal Seat
- ◆Wheel Handle
- ◆Screw End Standard: DIN2999/BSP/NPT ISO228-1/BS21
- ◆Design Acc: ASME B16.34
- ◆Inspection & Testing Acc: API598

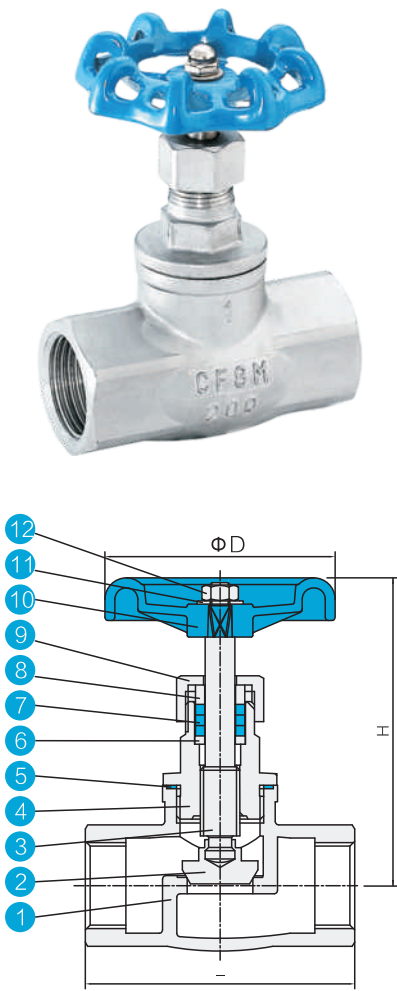
Materials of Main Construction

Item No.	Part Name	Material	
1	Body	CF8M	CF8
2	Disc	CF8M	CF8
3	Stem	SS316	SS304
4	Bonnet	CF8M	CF8
5	Gasket	PTFE	
6	Gasket	PTFE	
7	Stem Packing	PTFE	
8	Gland	SS316	SS304
9	Gland Flange	CF8M	CF8
10	Handle	Cast iron	
11	Name Plate	Aluminum(铝)	
12	Nut	SS04	

Dimensions

Unit:mm

Size		L	d	H	W
NPS	DN				
1/2"	15	55	15	99	70
3/4"	20	60	20	105	70
1"	25	66	25	115	80
1-1/4"	32	76	32	130	90
1-1/2"	40	80	40	147	90
2"	50	90	50	168	100
2-1/2"	65	112	65	213	140
3"	80	122	80	241	140
4"	100	130	99	340	160



Products Standard

- ◆Investment Casting Body
- ◆Full Port
- ◆200WOG
- ◆Design Acc: ASME B16.34
- ◆Inspection & Testing Acc: API598
- ◆Screw End Standard: DIN2999/BSP/NPT ISO228-1/BS21
- ◆Other size on application

Materials of Main Construction

Item No.	Part Name	Material	
1	Body	CF8M	CF8
2	Disc	CF8M	CF8
3	Stem	SS316	SS304
4	Bonnet	CF8M	CF8
5	Body Gasket	PTFE	
6	Washer	SS304	
7	Packing	PTFE	
8	Packing Sleeve	SS304	
9	Gland	SS304	
10	Hand Wheel	Cast Iron	
11	Plain Washer	SS304	
12	Nut	SS304	

Dimensions

Unit:mm

Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
L	65	65	70	80	90	105	120	140
H	93	93	93	97	112	124	137	149
D	65	65	65	65	72	96	105	105



Feature

Full Bore
Size 1/2"to2"
Working Pressure:200PSI
Female Threaded End: BSPT, NPT, DIN2999

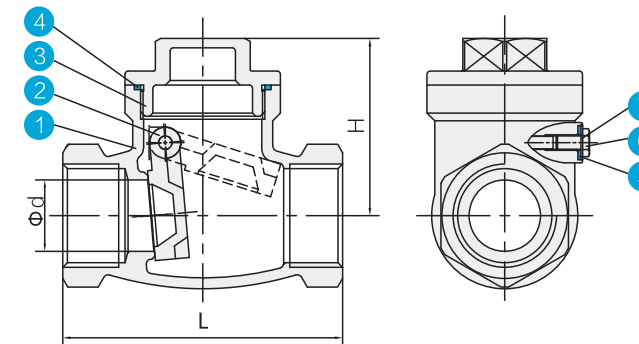


Products Standard

- ◆Investment Casting Body
- ◆Full Port
- ◆200WOG
- ◆Design Acc: ASME B16.34
- ◆Inspection & Testing Acc: API598
- ◆Screw End Standard: DIN21/BSP/NPT
ISO7-1/BS21

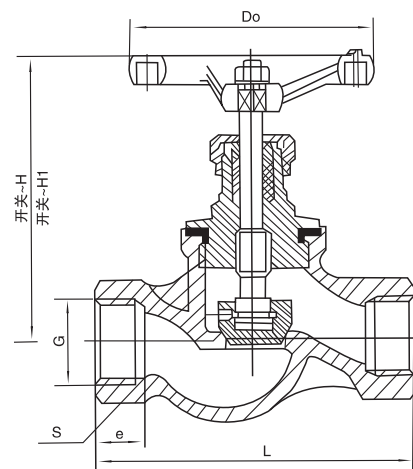
Materials of Main Construction

Item No.	Part Name	Material	
1	Body	CF8M	CF8
2	Disc	CF8M	CF8
3	Cap	SS316	SS304
4	Gasket	CF8M	CF8
5	Pin	304	
6	Plain Washer	SS304	
7	Bolt	304	



Material For Main Parts

Parameters	J11H-16C	J11W-16P	J11W-16R
Body, Bonnet	Cast steel	Cr,Ni,Ti steel	Cr,Ni,Mo,Ti steel
Disc	Asbestos coil	Cr,Ni,Ti steel	Cr,Ni,Mo,Ti steel
Packing	Cr,Ni,Ti steel	Polyterafluethylene	Polyterafluethylene



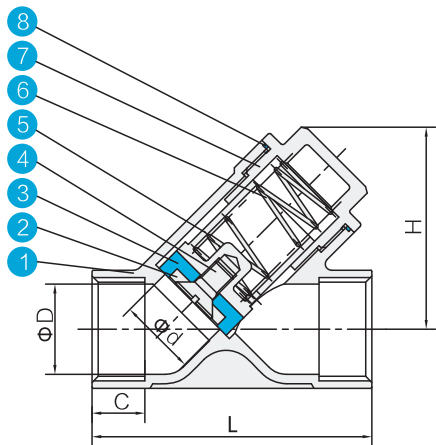
Main Dimensions

DN(mm)	Pipe thread G	Dimension (mm)						Weight (Kg)
		L	e	S	H	H1	Do	
15	1/2"	90	14	32	109	117	55	0.9
20	3/4"	100	16	36	109	117	55	1.1
25	1"	118	18	46	132	142	80	1.8
32	1 1/4"	138	20	55	156	168	100	2.5
40	1 1/2"	165	22	65	167	182	100	3.7
50	2"	190	24	80	182	200	120	5.5

Dimensions

Unit:mm

Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
L	56	56	62.4	74.5	85	101	115.1	134.5	164	191
H	36.5	36.5	40	49.5	57	61.5	71	77	139	158
d	10	10	15	20	23	30	38	47	67	81



Products Standard

- ◆Investment Casting Body
- ◆800WOG
- ◆Design Acc: ASME B16.34
- ◆Screw End Standard:DIN2999/BSP/NPT
ISO7-1/BS21
- ◆Inspection & Testing Acc: API598

Materials of Main Construction

Item No.	Part Name	Material	
1	Body	CF8M	CF8
2	Gasket	SS304	
3	Seat	PTFE	
4	Bolt	SS304	
5	Disc	CF8M	CF8
6	Spring	SS316	SS304
7	Cap	CF8M	CF8
8	Gasket	PTFE	

Dimensions

Unit:mm

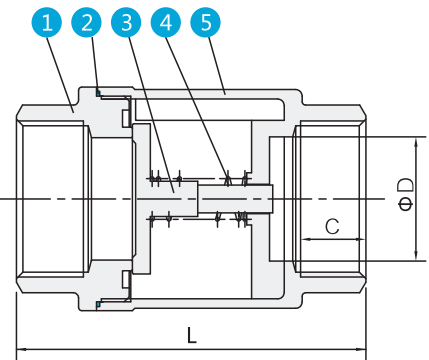
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
d	15	20	25	32	38	48	65	80	100
H	44.7	52.1	65.7	70	79.5	95.5	125.5	155	205
C	14	15	17	19	19	22	25	27	35
L	60	80	85	104	108	126	170	180	210

Products Standard

- ◆Investment Casting Body
- ◆1000WOG
- ◆Metal to Metal Sealing
- ◆Design Acc: ASME B16.34
- ◆Screw End Standard:DIN2999/BSP/NPT
ISO7-1/BS21
- ◆Inspection & Testing Acc: API598

Materials of Main Construction

Item No.	Part Name	Material	
1	Cap	CF8M	CF8
2	Gasket	PTFE	
3	Disc	SS316	SS304
4	Spring	316	304
5	Body	CF8M/CF8	



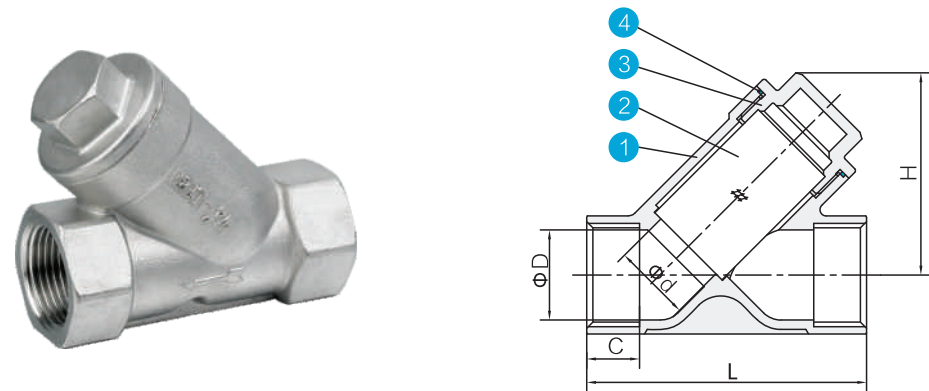
Dimensions

Unit:mm

Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
D	10	10	14	18	23	28	39	47	63	76	97
L	55	55	60	69.5	82	87	100	119	160	170	168
C	10	10	11	13	12	13	18	19.5	25	29	39

Products Standard

- ◆Investment Casting Body
- ◆Pressure: 800#
- ◆Design Acc: ASME B16.34
- ◆Screw End Standard: DIN2999/BSP/NPT
ISO7-1/BS21
- ◆Inspection & Testing Acc: API598
- ◆Screen Mesh: 40 Mesh or on option



Materials of Main Construction

Item No.	Part Name	Material		
1	Body	CF8M	CF8	WCB
2	Screen	SS316	SS304	SS304
3	Cap	CF8M	CF8	WCB
4	Gasket	PTFE		

Dimensions

Unit:mm

Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
d	9	9	15	20	25	32	38	48	65	80	100
H	35	35	45	52	65	70	79.5	95.5	125.5	155	205
L	65	65	61	80	84	99	108	130	175	190	240

