

Specification

DESIGN
2-piece full bore design
Anti-static and Fireproof structure
Design standard: ASME B16.34

OPERATION
Handle 90° rotation

CONNECTION
Flange standard: T20592、ASME B16.5
GB/T 9113、DIN1092

FACE TO FACE STANDARD
DIN3202 F4/F5
GB/T12221 series12

NOMINAL PRESSURE
PN16/PN25/40
150LB/300LB

The above information is for reference only and Aisenberg reserves the right to alter without prior notice.

TEMPERATURE RANGE
PTFE: -30°C - +120°C
R-PTFE: -30°C - +150°C
PEEK: -30°C - +200°C
TFM4215: -45°C - +220°C

MATERIALS
Body: WCB
CF8
CF8M

Ball: 304SS
316SS

Seat: PTFE/R-PTFE/PEEK/TFM4215

Packing:PTFE/R-PTFE/PEEK/TFM4215

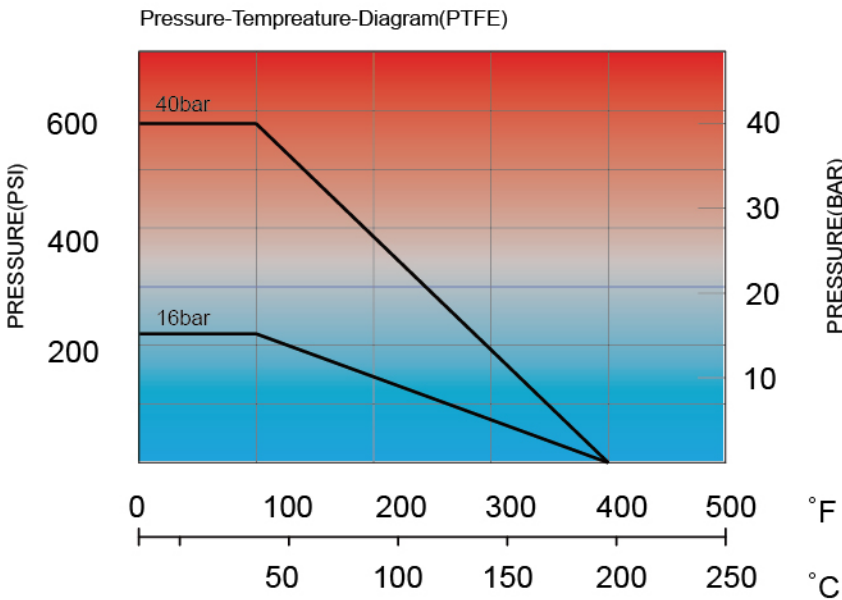
Handle: SS

OPTIONS
Lengthened handle
Electrical position indicator
Handwheel device



Type:
A200/201/202/203
Manual 2-PC flange
ball valve
Manual 2-PC flange
V ball valve
PN16/25/40
150LB/300LB
WCB
CF8
CF8M

Pressure - Temperature-Diagram



Model code

A	B	C	D	E	F	G	H	I	J
A200	B	D	6	6	P	P	B	D	15

A. Product	B. Control	C. Type of actuator	D. Body
A200=2-PC flange ball valve A201=2-PC flange 30 ° V-ball valve A202=2-PC flange 45 ° V-ball valve A203=2-PC flange 60 ° V-ball valve	A=Manual B=Pneumatic Piston Actuator P=Basic Electric Actuator	L=Lock lever U=ISO5211 lock lever W=Handwheel D=Double acting S=Single acting normally close P=Single acting normally open E=220VAC Electric ON/OFF F=24VDC Electric ON/OFF M=380VAC Electric ON/OFF G=220VAC Electric modulante H=24VDC Electric modulante J=380VAC Electric modulante K=220VAC Explosion-proof electric ON/OFF N=24VDC Explosion-proof electric ON/OFF Q=380VAC Explosion-proof electric ON/OFF R=220VAC Explosion-proof electric modulante T=24VDC Explosion-proof electric modulante V=380VAC Explosion-proof electric modulante	2=WCB 4=CF8 6=CF8M

E. Trim	F. Seal	G. Packing	H. Pressure	I. Connection	J. Valve size
4=304SS 6=316SS	A=PPL P=PTFE K=PEEK R=RPTFE	P=PTFE R=RPTFE	B=PN16/150LB C=PN25 D=PN40/300LB	A=ANSI flange D=DIN flange C=GB flange	13=1/2"(DN15) 14=3/4"(DN20) 15=1"(DN25) 16=1 1/4"(DN32) 17=1 1/2"(DN40) 18=2"(DN50) 19=2 1/2"(DN65) 20=3"(DN80) 21=4"(DN100) 22=5"(DN125) 23=6"(DN150) 24=8"(DN200)

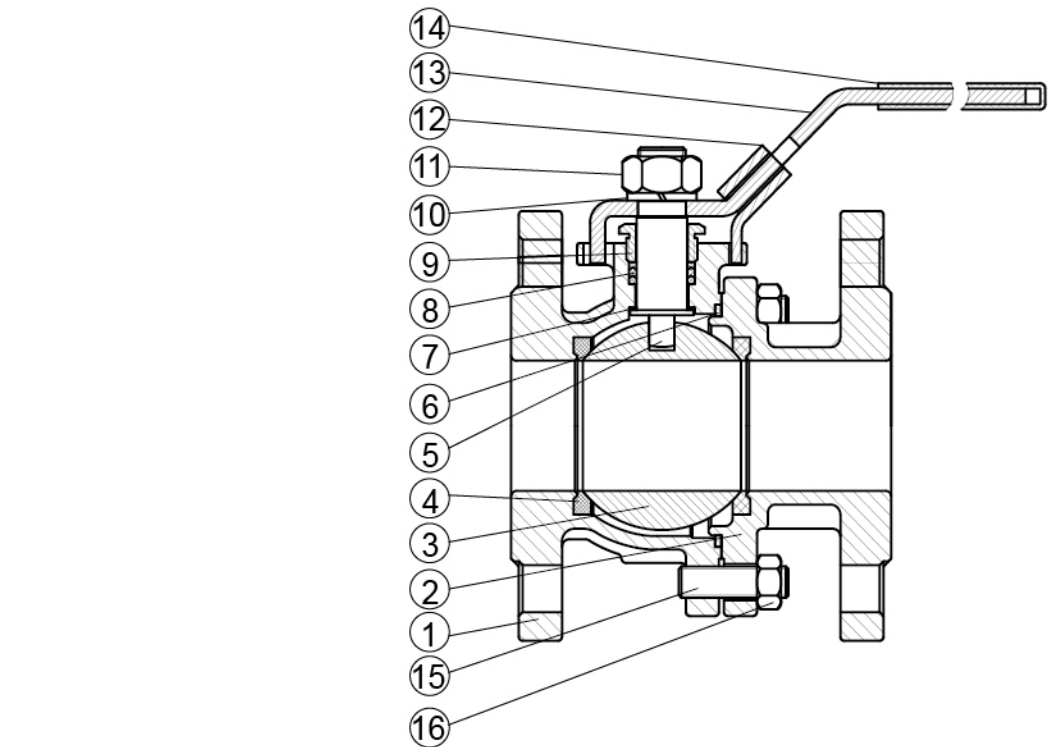
- 1.Stainless steel valve member within the valve body for the same material.Carbon steel valve body is carbon steel, stainless steel trim for 304SS.

2.Stem packing material and sealing material consistent

3.V-ball core valve opening 60 ° to the nearest equal percentage flow curve.

• The above is the standard selection, special requirements, please contact our technical department.

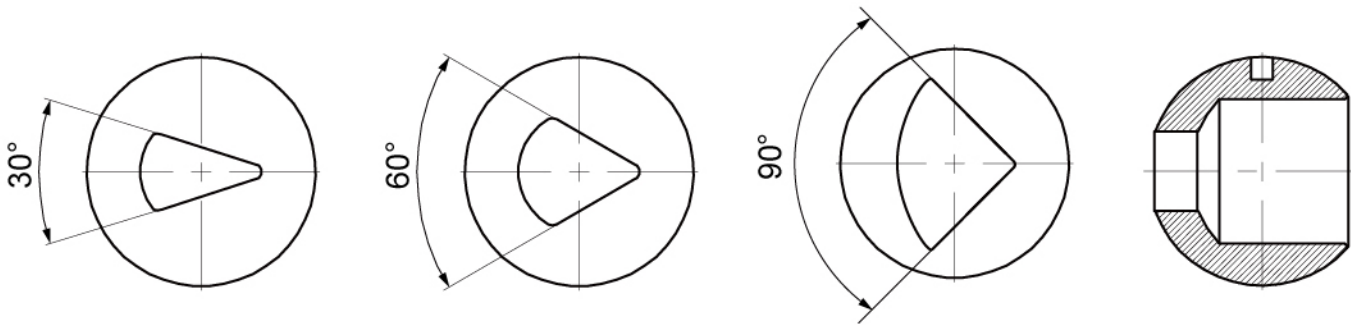
Parts list



No.	Description	Material
1	Body	WCB
		CF8
		CF8M
2	Cap	WCB
		CF8
		CF8M
3	Ball	304
		316
4	Seat	PTFE/PEEK/C-PTFE/R-PTFE
5	Stem	F304
		F316
6	Gasket	PTFE/PEEK/C-PTFE/R-PTFE
7	Shaft seal	PTFE/PEEK/C-PTFE/R-PTFE
8	Packing	PTFER-PTFE
9	Gland	CF8
10	Spring Washer	304
11	Stem Nut	8
12	Locking Position	304
13	Handle	304
14	Plastic cover	plastic
15	Bolt	B7
		B8
		2H
16	Stem Nut	8

Aisenberg V Ball valve flow coefficients Cv chart table

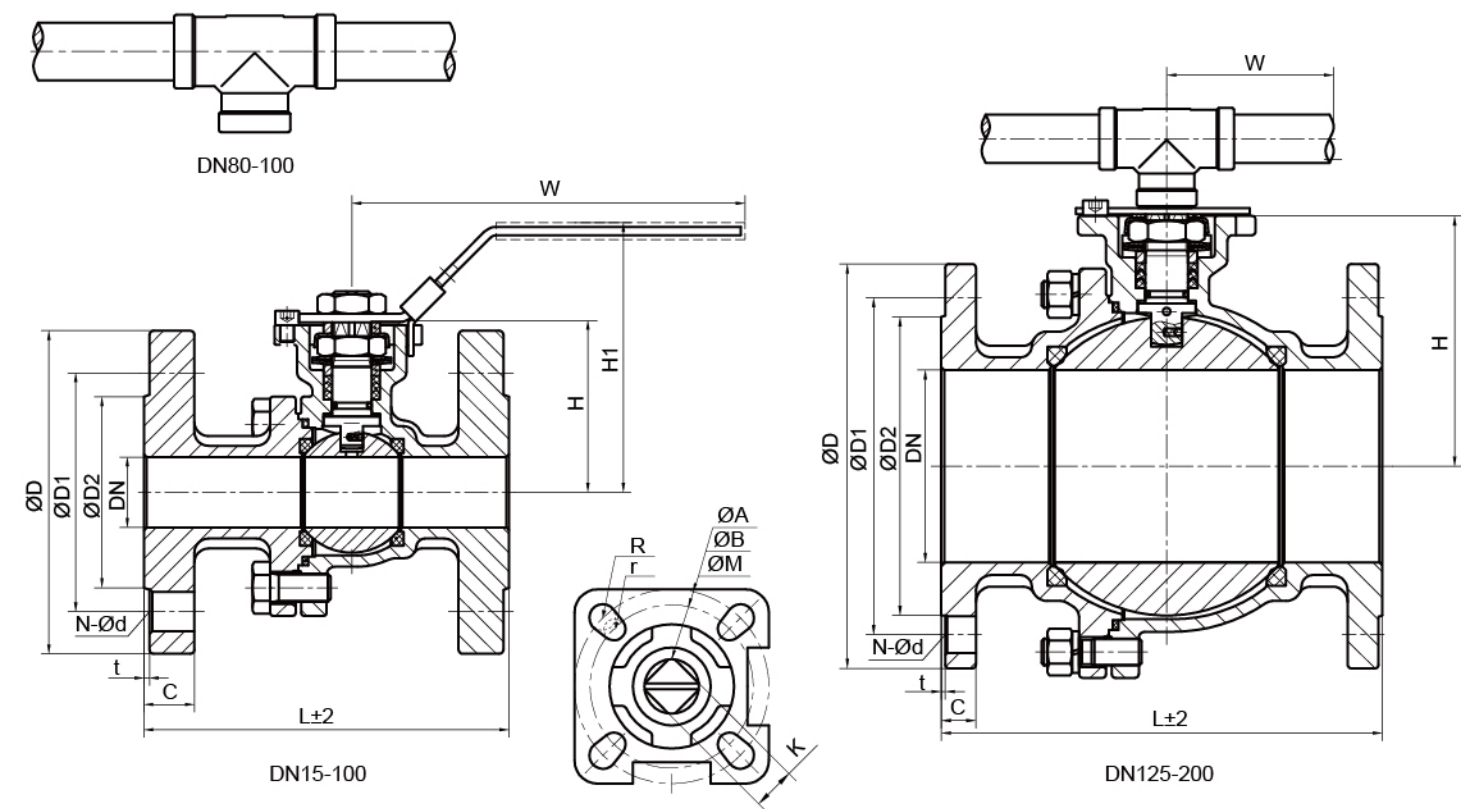
30°/60°/90° V Ball valve



VALVE SIZE	V ANGLE	0%	15%	20%	30%	40%	50%	60%	70%	80%	90%	100%
1/2"	30	0	0.1	0.1	0.2	0.3	0.5	0.8	1.1	1.6	2.2	2.6
	60	0	0.1	0.1	0.3	0.5	0.9	1.4	2	3.3	4.4	6
	90	0	0.1	0.2	0.4	0.6	0.9	1.5	2.2	3.8	5.4	6.9
3/4"	30	0	0.1	0.2	0.5	0.7	1.1	1.8	2.4	3.3	4.5	5.4
	60	0	0.1	0.2	0.7	1	1.7	2.8	4	6.5	9	12
	90	0	0.2	0.4	0.8	1.2	2	3.1	4.6	8	11.3	14
1"	30	0	0.1	0.3	0.8	1.3	2.3	3.5	5.1	9.8	8.5	10
	60	0	0.2	0.4	1.1	1.8	3.4	5.3	7.9	12.3	15.3	21
	90	0	0.2	0.6	1.8	3.4	5.1	8.1	11.4	16	21	29
1 1/4"	30	0	0.2	0.4	1.1	2	3.7	5.5	8	10	13	15
	60	0	0.2	0.6	1.8	3	5.5	9.5	12.8	19	26	39
	90	0	0.3	0.8	2	5	8	14	19	28	39	55
1 1/2"	30	0	0.3	0.6	1.6	3	5	7.5	11	14	17	20
	60	0	0.4	0.8	2.5	4	8	13	19	27	40	52
	90	0	0.4	0.9	3.5	7	13	20	31	42	63	78
2"	30	0	0.4	1.2	3.8	6	10	15	23	31	43	60
	60	0	0.4	1.5	4.6	9	16.5	27	39	55	83	110
	90	0	0.5	2	6	12	22	35	45	70	105	135
2 1/2"	30	0	0.4	1	4	8	12	18	28	37	62	75
	60	0	0.4	1.5	5	10	21	34	53	75	103	150
	90	0	0.5	1.7	7	14	28	48	70	106	160	218
3"	30	0	0.5	1.2	4	8	14	23	33	46	65	82
	60	0	0.5	2.5	6	14	25	40	65	91	128	165
	90	0	0.7	3.5	8	18	35	60	90	135	205	310
4"	30	0	0.6	2	6	15	29	48	71	100	130	159
	60	0	0.7	3	11	25	40	59	90	141	212	356
	90	0	1	3.5	16	40	75	125	190	295	442	670
6"	30	0	0.9	3.2	14	33	60	103	155	220	280	350
	60	0	2	5	22	60	110	190	285	416	586	800
	90	0	3	8	35	90	160	280	425	650	970	1480

Dimension

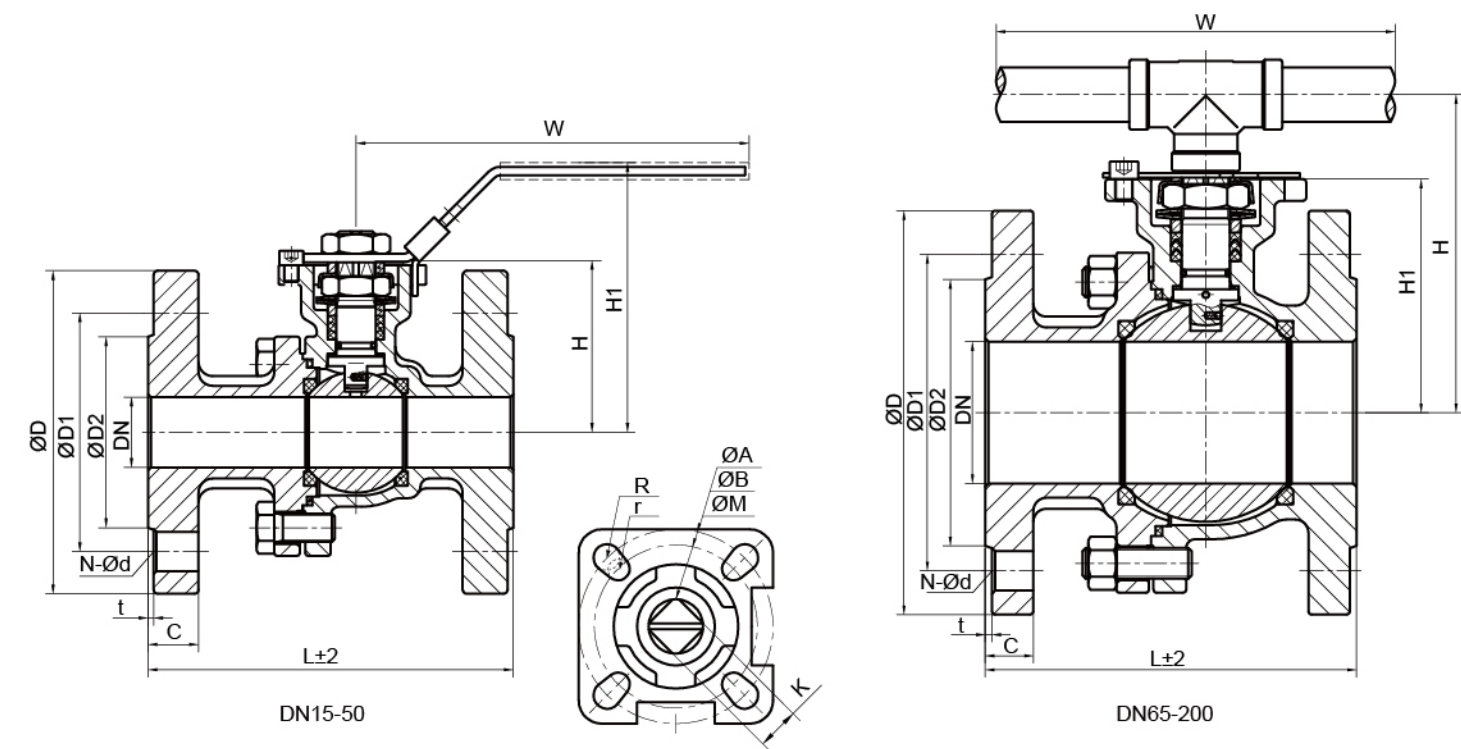
DIN FLANGE PN16



SIZE	DN	L	D	D1	D2	t	C	N-Ød	H	H1	W	ØA	ØB	R	r	K	ØM
1/2"	15	115	95	65	45	2	16	4-Ø14	75	48.5	110	42	36	3	3	9	M12
3/4"	20	120	105	75	58	2	18	4-Ø14	83	54	110	42	36	3	3	9	M12
1"	25	125	115	85	68	2	18	4-Ø14	90	59.5	150	50	42	3.5	3	11	M14
1-1/4"	32	130	140	100	78	2	18	4-Ø18	102	71	150	50	42	3.5	3	11	M14
1-1/2"	40	140	150	110	88	3	18	4-Ø18	114	78	190	70	50	4.5	3.5	14	M18
2"	50	150	165	125	102	3	20	4-Ø18	122	84.5	190	70	50	4.5	3.5	14	M18
2-1/2"	65	170	185	145	122	3	18	4-Ø18	135	95	235	70	50	4.5	3.5	14	M18
3"	76	180	200	160	138	3	20	8-Ø18	179	112	300	102	70	5.5	4.5	17	M22
4"	100	190	220	180	158	3	20	8-Ø18	197	130	300	102	70	5.5	4.5	17	M22
5"	125	325	250	210	188	3	22	8-Ø18	180	-	200	125	102	3.5	3	22	M30
6"	150	350	285	240	212	3	22	8-Ø18	198	-	250	125	102	3.5	3	22	M30
8"	200	400	340	295	268	3	24	12-Ø22	252	-	400	140	125	4.5	3.5	27	M33

Dimension

DIN FLANGE PN25/PN40

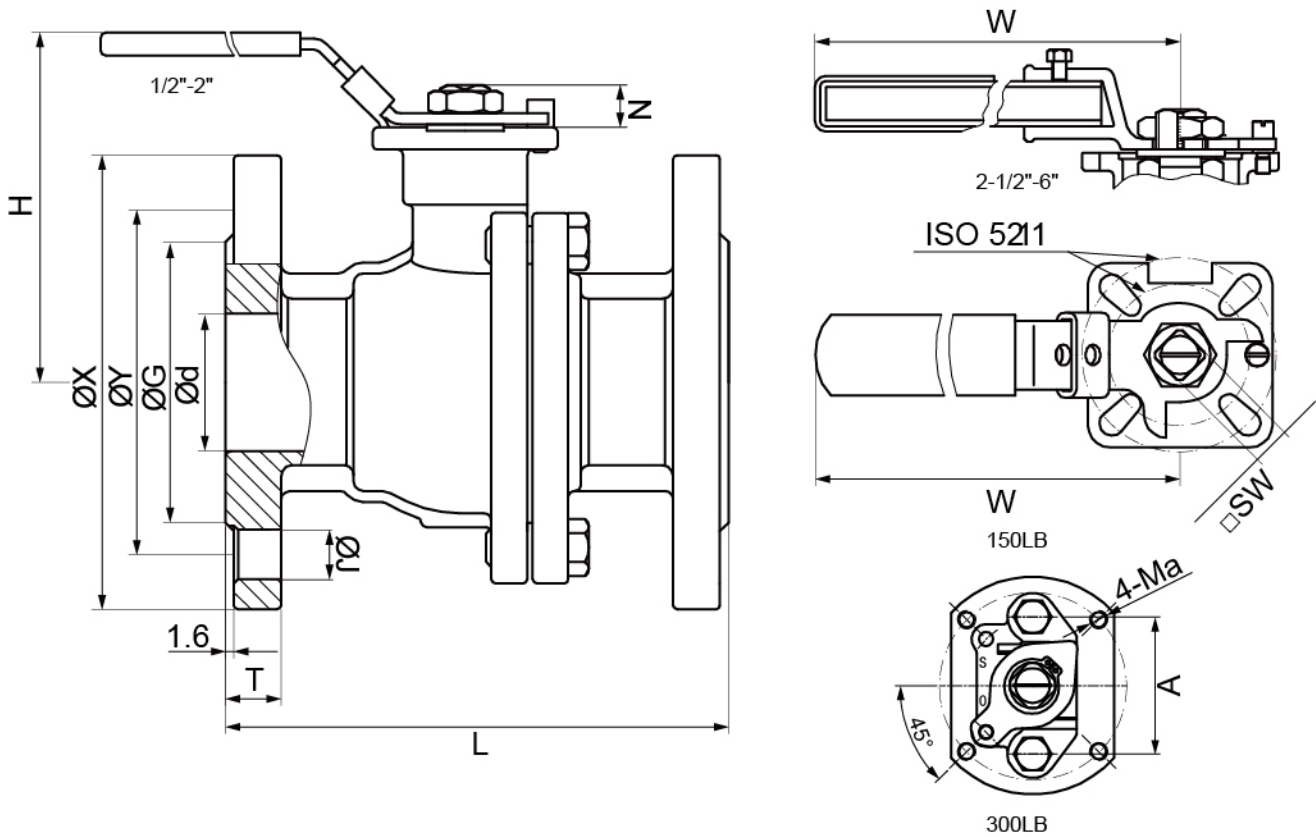


SIZE	DN	L	D	D1	D2	t	C	N-Ød	H	H1	W	ØA	ØB	R	r	K	ØM
1/2"	15	115	95	65	45	2	16	4-Ø14	75	48.5	110	42	36	3	3	9	M12
3/4"	20	120	105	75	58	2	18	4-Ø14	83	54	110	42	36	3	3	9	M12
1"	25	125	115	85	68	2	18	4-Ø14	90	59.5	150	50	42	3.5	3	11	M14
1-1/4"	32	130	140	100	78	2	18	4-Ø18	102	71	150	50	42	3.5	3	11	M14
1-1/2"	40	140	150	110	88	3	18	4-Ø18	114	78	190	70	50	4.5	3.5	14	M18
2"	50	150	165	125	102	3	20	4-Ø18	122	84.5	190	70	50	4.5	3.5	14	M18
2-1/2"	65	170	185	145	122	3	22	8-Ø18	146	107	370	102	70	5.5	4.5	17	M22
3"	76	180	200	160	138	3	24	8-Ø18	157	117	370	102	70	5.5	4.5	17	M22
4"	100	190	235	190	162	3	24	8-Ø22	200	150	500	125	102	7	6	22	M30
5"	125	325	270	220	188	3	26	8-Ø26	250	190	500	140	125	9	7	27	M33
6"	150	350	300	250	218	3	28	8-Ø26	270	210	500	140	125	9	7	27	M33
8"	200	400	375	320	285	3	34	12-Ø30	330	260	800	165	140	11	9	36	M45



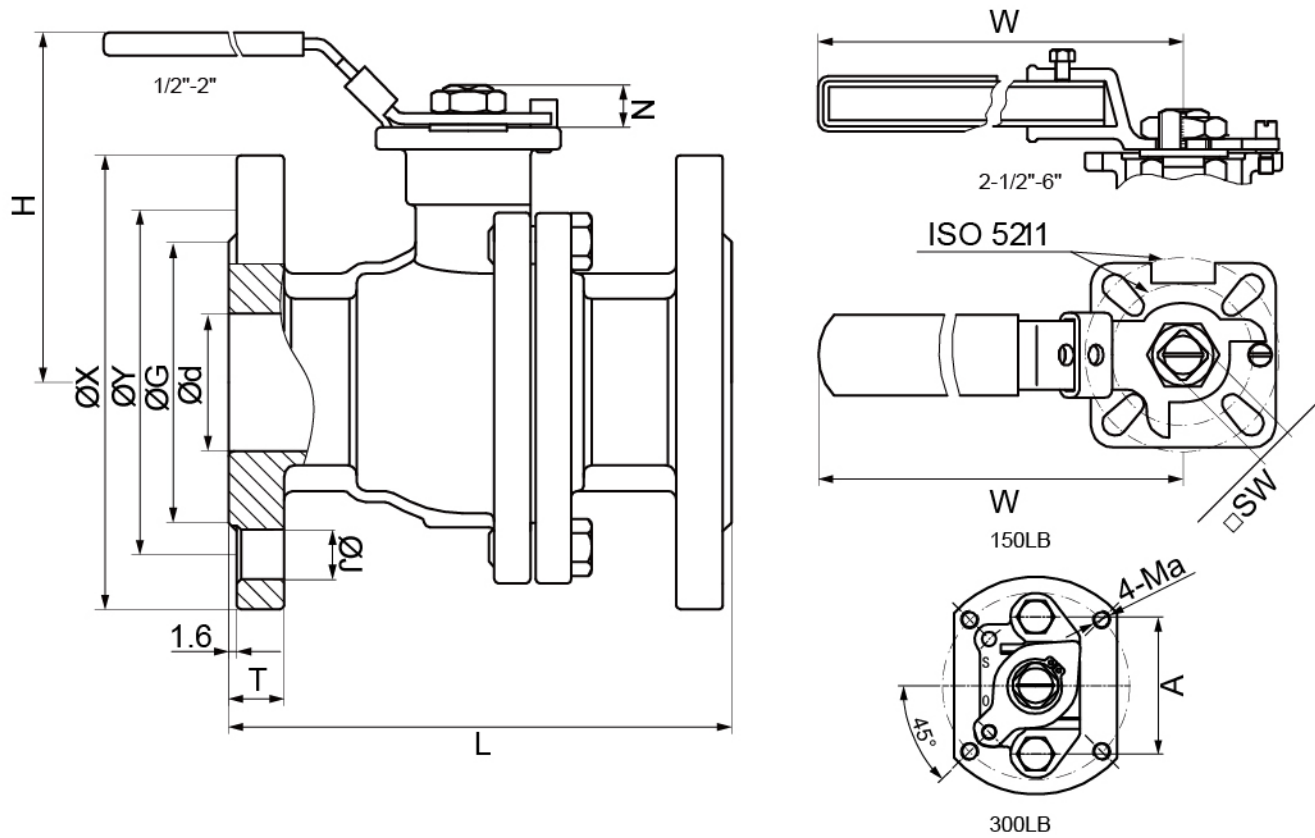
Dimension

ASME FLANGE 150LB



Dimension

ASME FLANGE 300LB



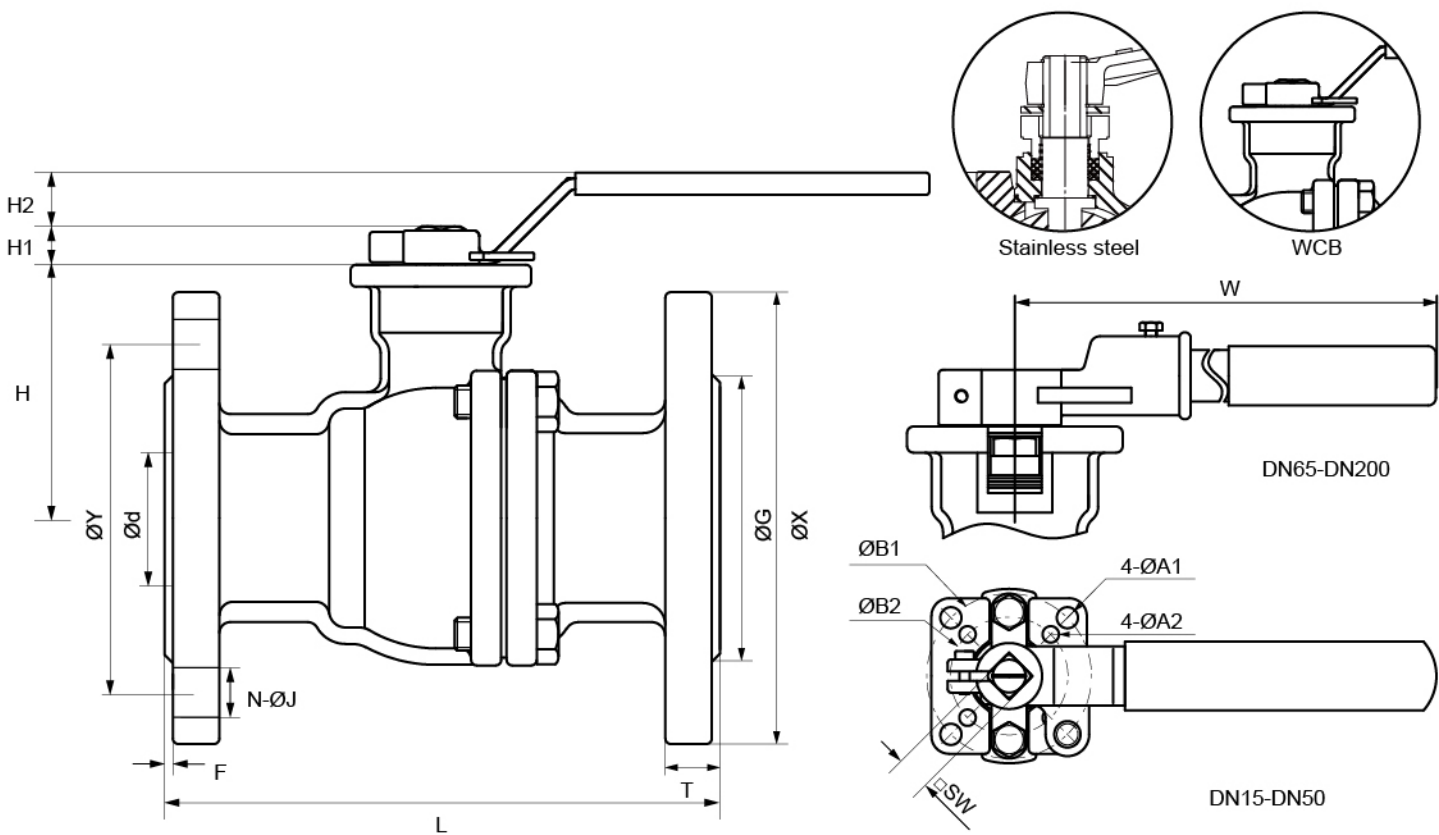
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SIZE	DN	Ød	ØG	ØX	ØY	T	L	H	W	N	ØJ	□SW	ISO5211
1/2"	15	15	35	89	60.5	11.1	108	84	123	9	4-Ø16	9	F03-F04
3/4"	20	20	43	98	70	11.1	117	94	123	9	4-Ø16	9	F03-F04
1"	25	25	51	108	79.5	11.1	127	101	153	11	4-Ø16	11	F04-F05
1-1/4"	32	32	64	117	89.5	12.7	140	108	153	11	4-Ø16	11	F04-F05
1-1/2"	40	40	73	127	98.5	14.3	165	121	183	14	4-Ø16	14	F05-F07
2"	50	50	92	152	120.5	15.9	178	127	183	14	4-Ø19	14	F05-F07
2-1/2"	65	65	105	178	139.5	17.5	190	154	352	17	4-Ø19	17	F07-F10
3"	80	80	127	190	152.5	19.1	203	165	352	17	4-Ø19	17	F07-F10
4"	100	100	157	229	190.5	23.9	229	183	397	22	8-Ø19	22	F10-F12
6"	150	150	216	279	241.5	25.4	394	248	708	27	8-Ø22	27	F10-F12
8"	200	200	270	343	298.5	28.6	457	304	920	36	8-Ø22	36	F14

SIZE	DN	Ød	ØG	ØX	ØY	T	L	H	W	A	ØJ	□SW	ISO5211
1/2"	15	15	35	95	66.5	14.3	140	92	160	50	4-Ø16	12	F04
3/4"	20	20	43	117	82.5	15.9	152	98	160	50	4-Ø19	12	F04
1"	25	25	51	124	89	17.5	165	103	160	50	4-Ø19	12	F05
1-1/4"	32	32	64	133	98.5	19.1	178	107	160	50	4-Ø19	12	F05
1-1/2"	40	40	73	156	114.5	20.7	190	112	230	62	4-Ø22	17	F07
2"	50	50	92	165	127	22.3	216	122	230	62	8-Ø19	17	F07
2-1/2"	65	65	105	190	149	25.4	241	151	350	75	8-Ø22	21	F07
3"	80	80	127	210	168	28.6	283	161	350	75	8-Ø22	21	F10
4"	100	100	157	254	200	31.8	305	175	350	75	8-Ø22	21	F10
6"	150	150	216	318	270	36.6	403	247	750	89	12-Ø22	24	F12
8"	200	200	270	381	330	41.3	502	305	1000	100	12-Ø25	32	F12

Dimension

GB FLANGE PN16/PN25/PN40



SIZE	DN	Ød	H	H1	F	W	ØA2	ØA1	ØB2	ØB1	□SW	PN16						PN25						PN40					
												ØX	ØG	ØY	L	T	N-ØJ	ØX	ØG	ØY	L	T	N-ØJ	ØX	ØG	ØY	L	T	N-ØJ
1/2"	15	15	51	9	2	135	7	8	36	50	9	95	45	65	130	16	4-Ø14	95	45	65	130	16	4-Ø14	95	45	65	130	16	4-Ø14
3/4"	20	20	55	9	2	135	7	8	36	50	9	105	58	75	130	18	4-Ø14	105	58	75	130	18	4-Ø14	105	58	75	130	18	4-Ø14
1"	25	25	68	11	2	170	7	8	42	50	11	115	68	85	140	18	4-Ø14	115	68	85	140	18	4-Ø14	115	68	85	140	18	4-Ø14
1-1/4"	32	32	74	11	2	170	7	8	42	50	11	140	78	100	165	18	4-Ø18	140	78	100	165	18	4-Ø18	140	78	100	165	18	4-Ø18
1-1/2"	40	40	82	14	2	200	8	10	50	70	14	150	88	110	165	18	4-Ø18	150	88	110	165	18	4-Ø18	150	88	110	165	18	4-Ø18
2"	50	50	92	14	2	200	8	10	50	70	14	165	102	125	203	20	4-Ø18	165	102	125	203	20	4-Ø18	165	102	125	203	20	4-Ø18
2-1/2"	65	65	116	17	2	300	10	12	70	102	17	185	122	145	222	18	8-Ø18	185	122	145	241	22	8-Ø18	185	122	145	241	22	8-Ø18
3"	80	80	129	17	2	300	10	12	70	102	17	200	138	160	241	20	8-Ø18	200	138	160	283	24	8-Ø18	200	138	160	283	24	8-Ø18
4"	100	100	148	22	2	400	-	12	-	102	22	220	158	180	305	20	8-Ø18	235	162	190	305	24	8-Ø22	235	162	190	305	24	8-Ø22
5"	125	125	184	27	2	800	14	18	125	140	27	250	188	210	356	22	8-Ø18	270	188	220	381	26	8-Ø26	270	188	220	381	26	8-Ø26
6"	150	150	206	27	2	800	14	18	125	140	27	285	212	240	394	22	8-Ø22	300	218	250	403	28	8-Ø26	300	218	250	403	28	8-Ø26
8"	200	200	254	27	2	800	18	22	140	165	27	340	268	295	457	24	12-Ø22	360	278	310	502	30	12-Ø26	375	285	320	502	34	12-Ø30

A200 ISO 5211 2PC flange ball

Aisenberg®

Specification

DESIGN
2-piece full bore design
Anti-static and Fireproof structure
Design standard: ASME B16.34

OPERATION
Handle 90° rotation

CONNECTION
Flange standard: T20592、ASME B16.5
GB/T 9113、DIN1092

FACE TO FACE STANDARD
DIN3202 F4/F5
GB/T12221 series12

NOMINAL PRESSURE
PN16/PN25/40
150LB/300LB

The above information is for reference only and Aisenberg reserves the right to alter without prior notice.

TEMPERATURE RANGE
PTFE: -30°C - +120°C
R-PTFE: -30°C - +150°C
PEEK: -30°C - +200°C
TFM4215: -45°C - +220°C

MATERIALS
Body: WCB
CF8
CF8M

Ball: 304SS
316SS

Seat: PTFE/R-PTFE/PEEK/TFM4215

Packing: PTFE/R-PTFE/PEEK/TFM4215

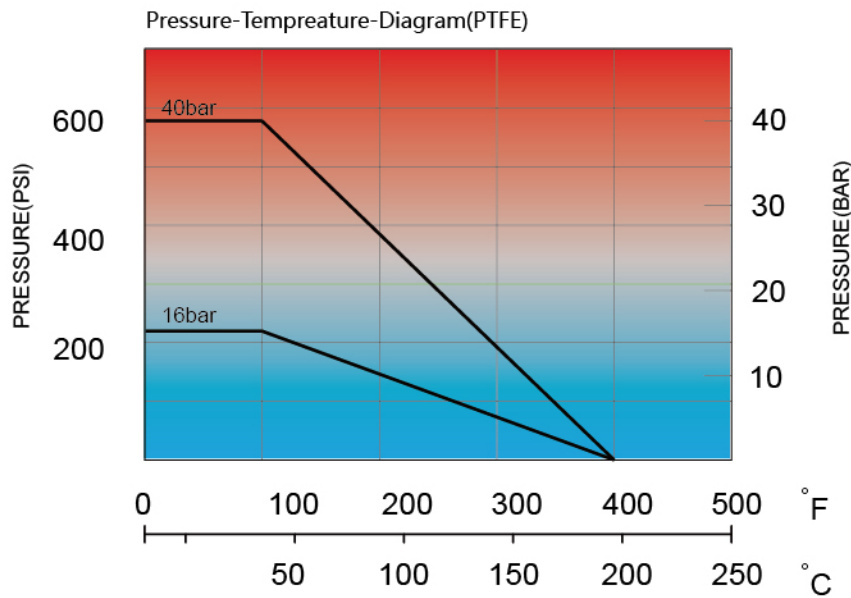
Handle: SS

OPTIONS
Lengthened handle
Electrical position indicator
Handwheel device



Type:
A200
ISO 5211 2-piece flange ball
valve/2-piece flange V ball
valve
Full bore
PN 16/25/40
150LB/300LB
WCB
CF8
CF8M

Pressure - Temperature-Diagram

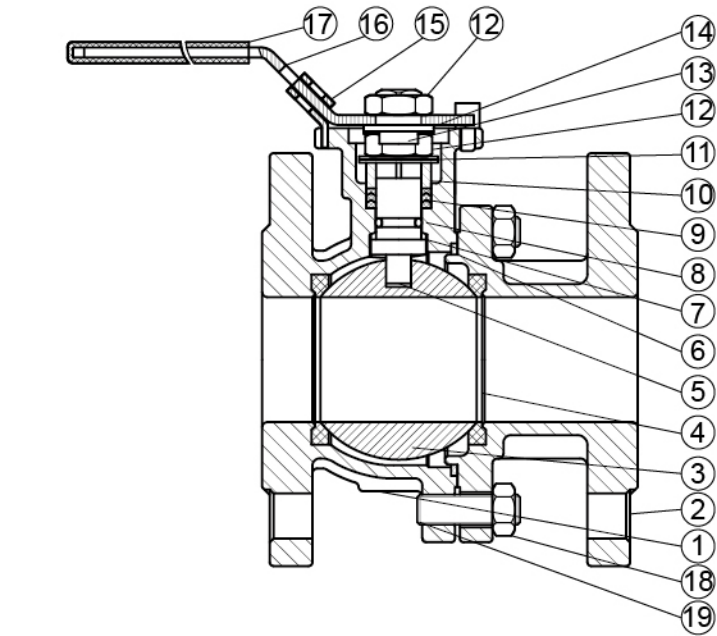
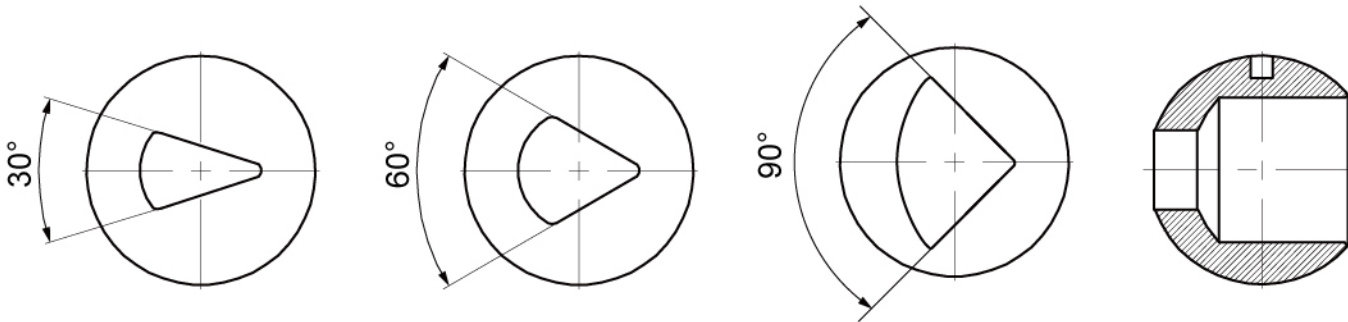


Parts list

Aisenberg V Ball valve flow coefficients Cv chart table



30°/60°/90° V Ball valve

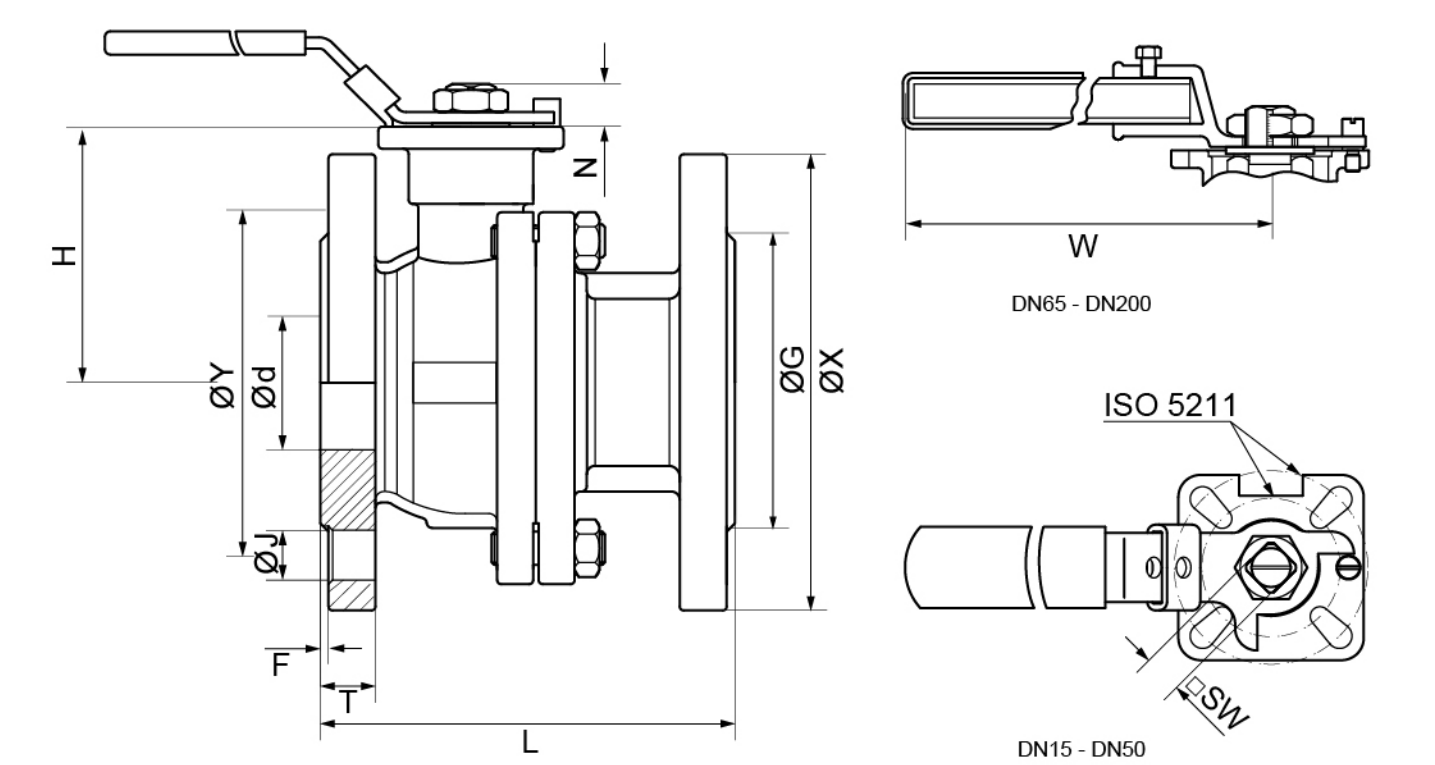


No.	Description	Material
1	Body	WCB
		CF8
		CF8M
2	Cap	WCB
		CF8
		CF8M
3	Ball	304
		316
4	Seat	PTFE/PEEK/C-PTFE/R-PTFE
5	Stem	F304
		F316
6	Gasket	PTFE/PEEK/C-PTFE/R-PTFE
7	Shaft seal	PTFE/PEEK/C-PTFE/R-PTFE
8	O-Ring	FKM
9	Packing	PTFE/R-PTFE
10	Gland	CF8
11	Spring Washer	304
12	Stem Nut	8
13	Stop Washer	304
14	Handle Washer	304
15	Locking Position	304
16	Handle	304
17	Plastic Cover	plastic
18	Nut	2H
		8
19	Spring Washer	304

VALVE SIZE	V ANGLE	0%	15%	20%	30%	40%	50%	60%	70%	80%	90%	100%
1/2"	30	0	0.1	0.1	0.2	0.3	0.5	0.8	1.1	1.6	2.2	2.6
	60	0	0.1	0.1	0.3	0.5	0.9	1.4	2	3.3	4.4	6
	90	0	0.1	0.2	0.4	0.6	0.9	1.5	2.2	3.8	5.4	6.9
3/4"	30	0	0.1	0.2	0.5	0.7	1.1	1.8	2.4	3.3	4.5	5.4
	60	0	0.1	0.2	0.7	1	1.7	2.8	4	6.5	9	12
	90	0	0.2	0.4	0.8	1.2	2	3.1	4.6	8	11.3	14
1"	30	0	0.1	0.3	0.8	1.3	2.3	3.5	5.1	9.8	8.5	10
	60	0	0.2	0.4	1.1	1.8	3.4	5.3	7.9	12.3	15.3	21
	90	0	0.2	0.6	1.8	3.4	5.1	8.1	11.4	16	21	29
1 1/4"	30	0	0.2	0.4	1.1	2	3.7	5.5	8	10	13	15
	60	0	0.2	0.6	1.8	3	5.5	9.5	12.8	19	26	39
	90	0	0.3	0.8	2	5	8	14	19	28	39	55
1 1/2"	30	0	0.3	0.6	1.6	3	5	7.5	11	14	17	20
	60	0	0.4	0.8	2.5	4	8	13	19	27	40	52
	90	0	0.4	0.9	3.5	7	13	20	31	42	63	78
2"	30	0	0.4	1.2	3.8	6	10	15	23	31	43	60
	60	0	0.4	1.5	4.6	9	16.5	27	39	55	83	110
	90	0	0.5	2	6	12	22	35	45	70	105	135
2 1/2"	30	0	0.4	1	4	8	12	18	28	37	62	75
	60	0	0.4	1.5	5	10	21	34	53	75	103	150
	90	0	0.5	1.7	7	14	28	48	70	106	160	218
3"	30	0	0.5	1.2	4	8	14	23	33	46	65	82
	60	0	0.5	2.5	6	14	25	40	65	91	128	165
	90	0	0.7	3.5	8	18	35	60	90	135	205	310
4"	30	0	0.6	2	6	15	29	48	71	100	130	159
	60	0	0.7	3	11	25	40	59	90	141	212	356
	90	0	1	3.5	16	40	75	125	190	295	442	670
6"	30	0	0.9	3.2	14	33	60	103	155	220	280	350
	60	0	2	5	22	60	110	190	285	416	586	800
	90	0	3	8	35	90	160	280	425	650	970	1480

Dimension

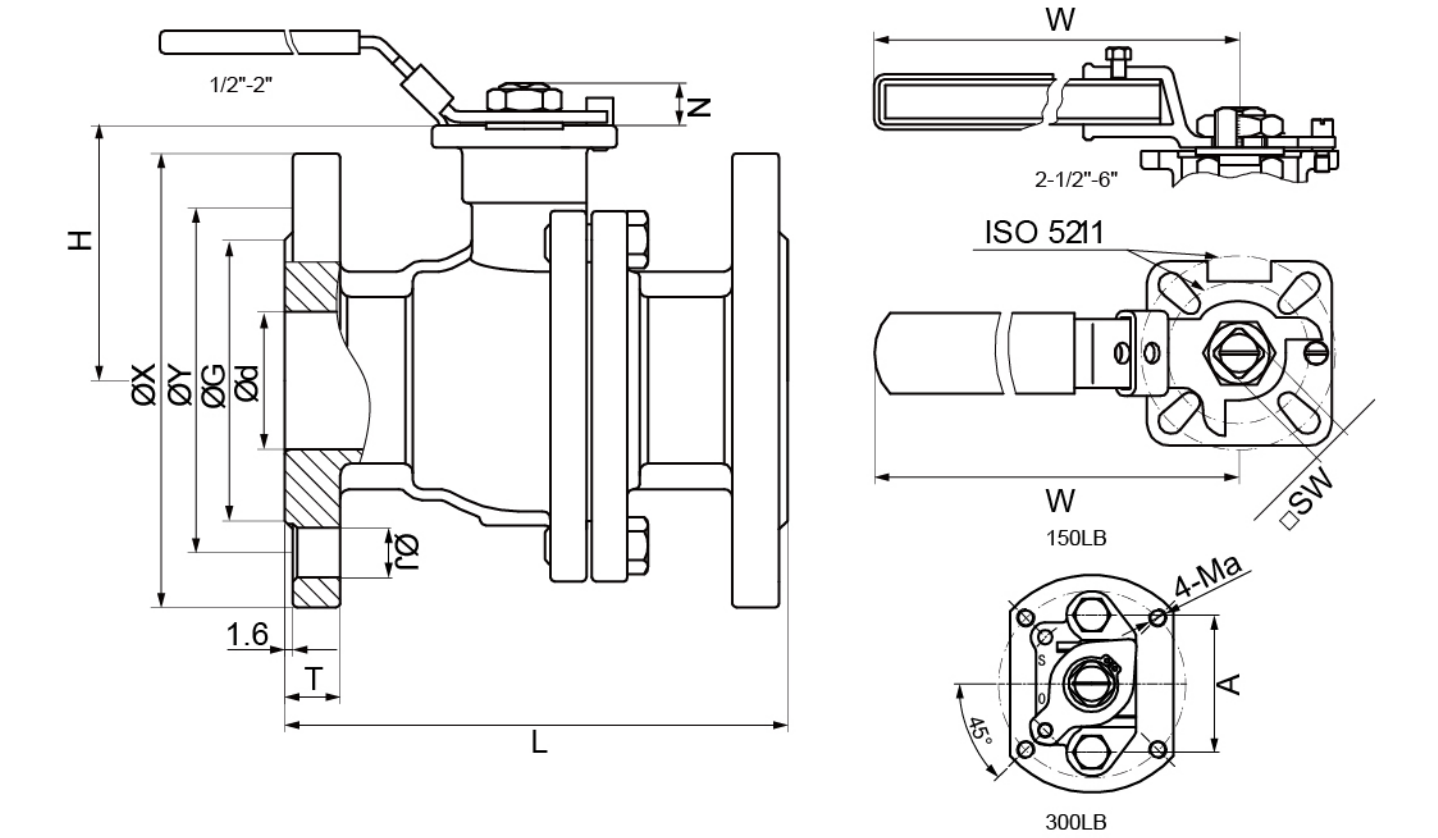
DIN FLANGE PN16/PN25/PN40



SIZE	DN	Ød	L	H	N	W	□SW	ISO-5211	F	PN16					PN25					PN40				
										ØX	ØY	ØG	T	ØJ	ØX	ØY	ØG	T	ØJ	ØX	ØY	ØG	T	ØJ
1/2"	15	15	115	48	9	123	9	F03-F04	2	95	65	45	14	4-Ø14	95	65	45	16	4-Ø14	95	65	45	16	4-Ø14
3/4"	20	20	120	53	9	123	9	F03-F04	2	105	75	58	16	4-Ø14	105	75	58	18	4-Ø14	105	75	58	18	4-Ø14
1"	25	25	125	64	11	153	11	F04-F05	2	115	85	68	16	4-Ø14	115	85	68	18	4-Ø14	115	85	68	18	4-Ø14
1-1/4"	32	32	130	71	11	153	11	F04-F05	2	140	100	78	16	4-Ø18	140	100	78	18	4-Ø18	140	100	78	18	4-Ø18
1-1/2"	40	40	140	76	14	183	14	F05-F07	3	150	110	88	16	4-Ø18	150	110	88	18	4-Ø18	150	110	88	18	4-Ø18
2"	50	50	150	85	14	183	14	F05-F07	3	165	125	102	18	4-Ø18	165	125	102	20	4-Ø18	165	125	102	20	4-Ø18
2-1/2"	65	65	170	104	17	352	17	F07-F10	3	185	145	122	18	4-Ø18	185	145	122	22	8-Ø18	185	145	122	22	8-Ø18
3"	80	80	180	114	17	352	17	F07-F10	3	200	160	138	20	8-Ø18	200	160	138	24	8-Ø18	200	160	138	24	8-Ø18
4"	100	100	190	140	22	397	22	F10-F12	3	220	180	158	20	8-Ø18	235	190	162	24	8-Ø22	235	190	162	24	8-Ø22
5"	125	125	325	183	27	708	27	F10-F12	3	250	210	188	22	8-Ø18	270	220	188	26	8-Ø26	270	220	188	26	8-Ø26
6"	150	150	350	202	27	708	27	F10-F12	3	285	240	212	22	8-Ø22	300	250	218	28	8-Ø26	300	250	218	28	8-Ø26
8"	200	200	400	253	36	920	36	F14	3	340	295	268	24	12-Ø22	360	310	278	30	12-Ø26	375	320	285	34	12-Ø30

Dimension

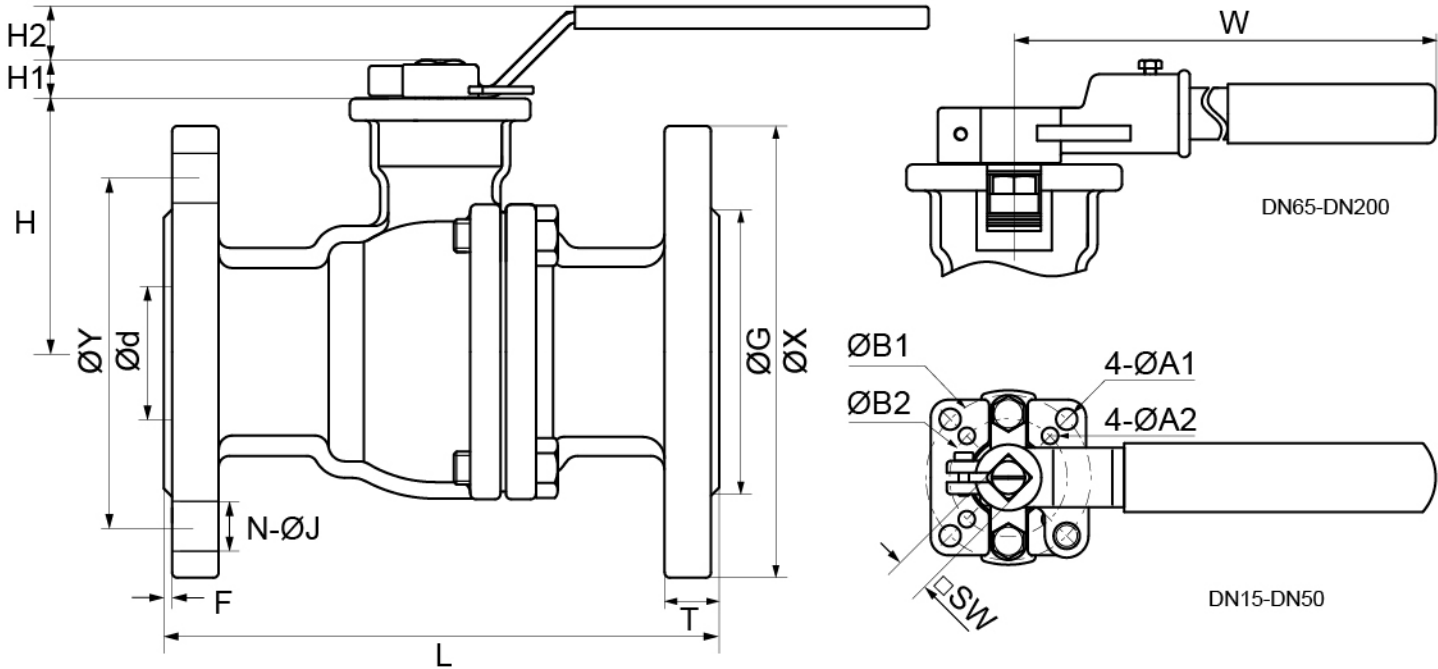
ASME FLANGE 150LB/300LB



SIZE	DN	Ød	ØG	150LB										300LB									
				ØX	ØY	T	L	H	W	N	ØJ	□SW	ISO5211	ØX	ØY	T	L	H	W	A	ØJ	□SW	ISO5211
1/2"	15	15	35	89	60.5	11.1	108	48	123	9	4-Ø16	9	F03-F04	95	66.5	14.3	140	48	160	50	4-Ø16	12	F04
3/4"	20	20	43	98	70	11.1	117	53	123	9	4-Ø16	9	F03-F04	117	82.5	15.9	152	53	160	50	4-Ø19	12	F04
1"	25	25	51	108	79.5	11.1	127	64	153	11	4-Ø16	11	F04-F05	124	89	17.5	165	64	160	50	4-Ø19	12	F05
1-1/4"	32	32	64	117	89.5	12.7	140	71	153	11	4-Ø16	11	F04-F05	133	98.5	19.1	178	71	160	50	4-Ø19	12	F05
1-1/2"	40	40	73	127	98.5	14.3	165	76	183	14	4-Ø16	14	F05-F07	156	114.5	20.7	190	76	230	62	4-Ø22	17	F07
2"	50	50	92	152	120.5	15.9	178	85	183	14	4-Ø19	14	F05-F07	165	127	22.3	216	85	230	62	8-Ø19	17	F07
2-1/2"	65	65	105	178	139.5	17.5	190	104	352	17	4-Ø19	17	F07-F10	190	149	25.4	241	104	350	75	8-Ø22	21	F07
3"	80	80	127	190	152.5	19.1	203	114	352	17	4-Ø19	17	F07-F10	210	168	28.6	283	114	350	75	8-Ø22	21	F10
4"	100	100	157	229	190.5	23.9	229	140	397	22	8-Ø19	22	F10-F12	254	200	31.8	305	140	350	75	8-Ø22	21	F10
6"	150	150	216	279	241.5	25.4	394	202	708	27	8-Ø22	27	F10-F12	318	270	36.6	403	202	750	89	12-Ø22	24	F12
8"	200	200	270	343	298.5	28.6	457	253	920	36	8-Ø22	36	F14	381	330	41.3	502	253	1000	100	12-Ø25	32	F12

Dimension

GB FLANGE PN16/PN25/PN40



A200/201/202/203 2PC pneumatic flange ball valve

Aisenberg®

Specification

DESIGN
2-piece full bore design
Anti-static and Fireproof structure
Design standard: ASME B16.34

OPERATION
Handle 90° rotation

CONNECTION
Flange standard: T20592, ASME B16.5
GB/T 9113, DIN1092

FACE TO FACE STANDARD
DIN3202 F4/F5
GB/T12221 series12

NOMINAL PRESSURE
PN16/PN25/40
150LB/300LB

PILOT PRESSURE
2-8 bar
(Low pilot pressure as required)

The above information is for reference only and Aisenberg reserves the right to alter without prior notice

TEMPERATURE RANGE
PTFE: -30°C - +120°C
R-PTFE: -30°C - +150°C
PEEK: -30°C - +200°C
TFM4215: -45°C - +220°C

MATERIALS
Body: WCB
CF8
CF8M

Ball: 304SS
316SS

Seat: PTFE/R-PTFE/PEEK/TFM4215

Packing:PTFE/R-PTFE/PEEK/TFM4215

EXTERNAL TEMPERATURE RANGE
-20°C - +70°C

PILOT MEDIA
Filtered gases (oil, ash and water removal)

OPTIONS
3/2-ways 5/2-ways valve, electronic or physical
Indicator, Positioner, Filter Reducer, Manual clutch



Type:
A200/201/202/203

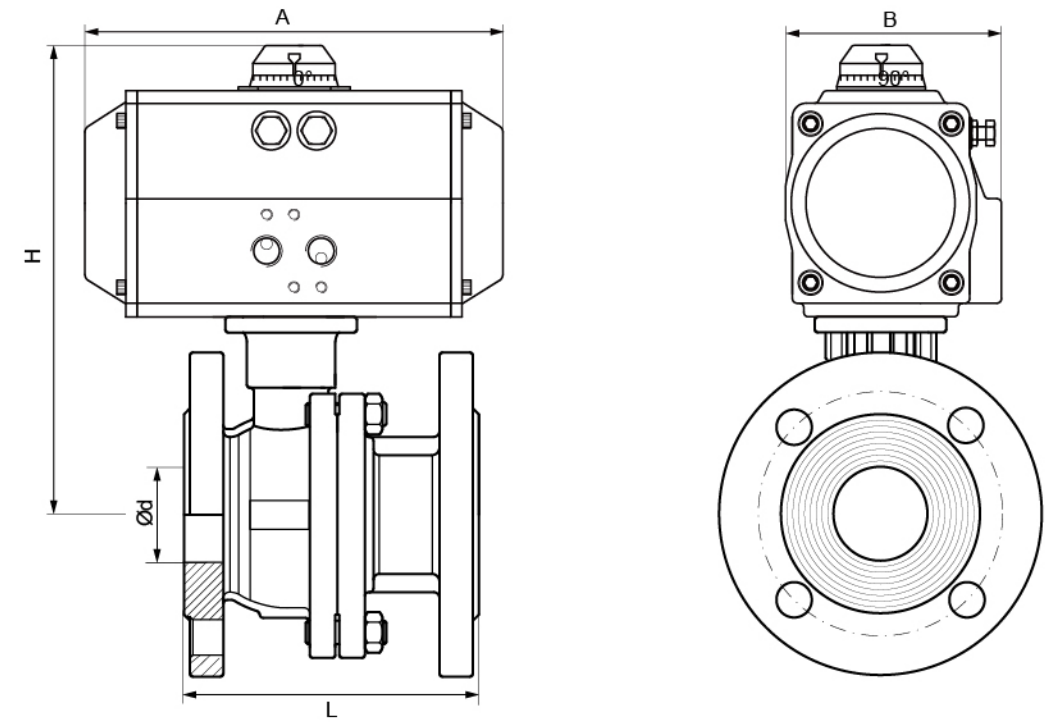
2-Piece pneumatic flange
ball valve
Full bore
PN16/25/40/150LB/300LB

WCB
CF8
CF8M

SIZE	DN	Ød	H	H1	F	W	ØA2	ØA1	ØB2	ØB1	□SW	PN16						PN25						PN40					
												ØX	ØG	ØY	L	T	N-ØJ	ØX	ØG	ØY	L	T	N-ØJ	ØX	ØG	ØY	L	T	N-ØJ
1/2"	15	15	48	9	2	135	7	8	36	50	9	95	45	65	130	16	4-Ø14	95	45	65	130	16	4-Ø14	95	45	65	130	16	4-Ø14
3/4"	20	20	53	9	2	135	7	8	36	50	9	105	58	75	130	18	4-Ø14	105	58	75	130	18	4-Ø14	105	58	75	130	18	4-Ø14
1"	25	25	64	11	2	170	7	8	42	50	11	115	68	85	140	18	4-Ø14	115	68	85	140	18	4-Ø14	115	68	85	140	18	4-Ø14
1-1/4"	32	32	71	11	2	170	7	8	42	50	11	140	78	100	165	18	4-Ø18	140	78	100	165	18	4-Ø18	140	78	100	165	18	4-Ø18
1-1/2"	40	40	76	14	2	200	8	10	50	70	14	150	88	110	165	18	4-Ø18	150	88	110	165	18	4-Ø18	150	88	110	165	18	4-Ø18
2"	50	50	85	14	2	200	8	10	50	70	14	165	102	125	203	20	4-Ø18	165	102	125	203	20	4-Ø18	165	102	125	203	20	4-Ø18
2-1/2"	65	65	104	17	2	300	10	12	70	102	17	185	122	145	222	18	8-Ø18	185	122	145	241	22	8-Ø18	185	122	145	241	22	8-Ø18
3"	80	80	114	17	2	300	10	12	70	102	17	200	138	160	241	20	8-Ø18	200	138	160	283	24	8-Ø18	200	138	160	283	24	8-Ø18
4"	100	100	140	22	2	400	-	12	-	102	22	220	158	180	305	20	8-Ø18	235	162	190	305	24	8-Ø22	235	162	190	305	24	8-Ø22
5"	125	125	183	27	2	800	14	18	125	140	27	250	188	210	356	22	8-Ø18	270	188	220	381	26	8-Ø26	270	188	220	381	26	8-Ø26
6"	150	150	202	27	2	800	14	18	125	140	27	285	212	240	394	22	8-Ø22	300	218	250	403	28	8-Ø26	300	218	250	403	28	8-Ø26
8"	200	200	253	27	2	800	18	22	140	165	27	340	268	295	457	24	12-Ø22	360	278	310	502	30	12-Ø26	375	285	320	502	34	12-Ø30

Dimension

FLANG DIN PN16/150LB

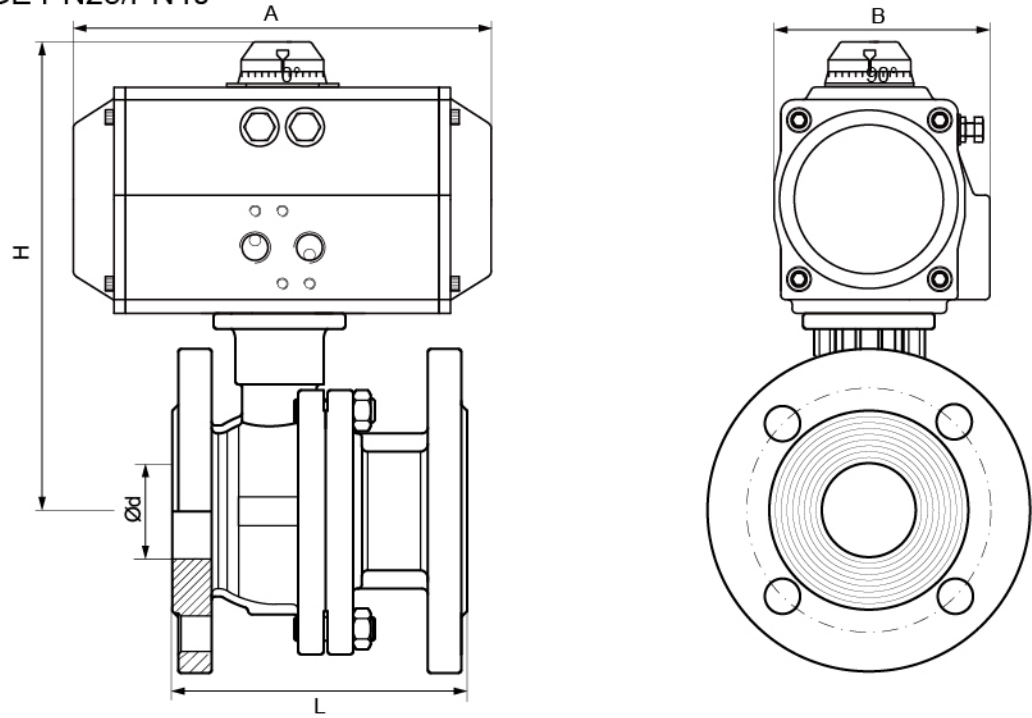


SIZE	DN	Ød	Actuator Size	A	B	H	PN16	150LB
							L	
1/2"	15	15	DA52	147	72	177	115	108
			SR52	147	72	177		
3/4"	20	20	DA52	147	72	187	120	117
			SR63	172	83	203		
1"	25	25	DA63	172	83	208	125	127
			SR63	172	83	208		
1-1/4"	32	32	DA63	172	83	215	130	140
			SR75	184	95	227		
1-1/2"	40	40	DA75	184	95	237	140	165
			SR83	204	103	246		
2"	50	50	DA83	204	103	252	150	178
			SR92	262	109	260		
2-1/2"	65	65	DA92	262	109	284	170	190
			SR105	268	121	300		
3"	80	80	DA105	268	121	311	180	203
			SR125	301	143	331		
4"	100	100	DA125	301	143	346	190	229
			SR140	394	152	364		
5"	125	125	DA140	394	152	405	325	-
			SR190	458	174	430		
6"	150	150	DA160	458	174	449	350	394
			SR190	528	206	483		
8"	200	200	DA190	528	206	530	400	457
			SR210	532	226	555		

Above information is under normal working conditon, Please consult the technical department in case of special working conditions

Dimension

DIN FLANGE PN25/PN40

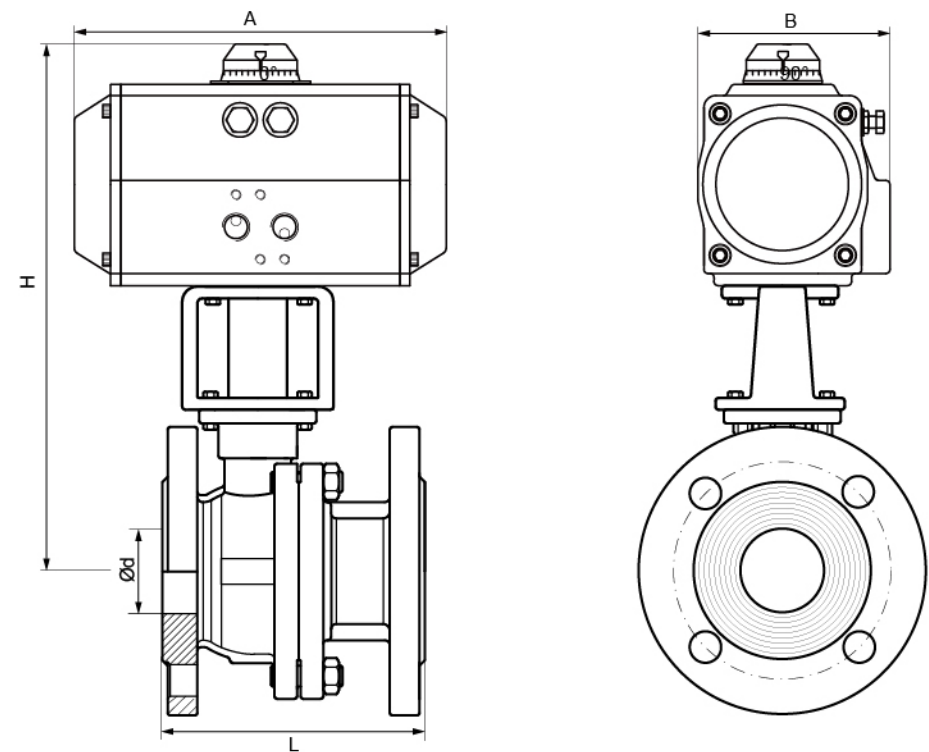


SIZE	DN	Ød	Actuator Size	A	B	H	L
1/2"	15	15	DA52	147	82	167	115
			SR63	147	82	183	
3/4"	20	20	DA63	147	82	193	120
			SR75	184	105	205	
1"	25	25	DA63	147	82	198	125
			SR75	184	105	210	
1-1/4"	32	32	DA75	184	105	217	130
			SR83	204	113	226	
1-1/2"	40	40	DA75	184	105	227	140
			SR83	204	113	236	
2"	50	50	DA83	204	113	242	150
			SR92	262	119	250	
2-1/2"	65	65	DA92	262	119	274	170
			SR105	268	131	290	
3"	80	80	DA105	268	131	301	180
			SR125	301	153	323	
4"	100	100	DA125	301	153	336	190
			SR140	394	162	354	
5"	125	125	DA140	394	162	395	325
			SR190	458	184	420	
6"	150	150	DA160	458	184	439	350
			SR190	528	206	483	
8"	200	200	DA190	528	206	530	400
			SR210	532	226	555	

Above information is under normal working conditon, Please consult the technical department in case of special working conditions

Dimension

FLANGE 300LB

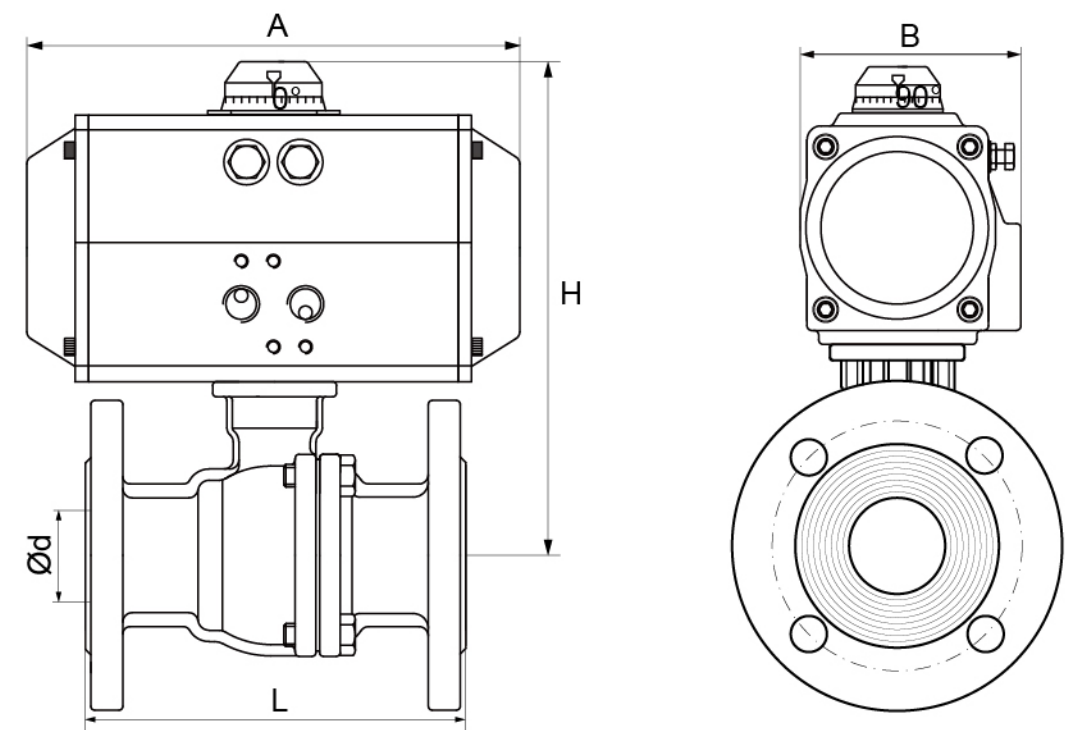


SIZE	DN	Ød	Actuator Size	A	B	H	L
1/2"	15	15	DA52	147	72	268	140
			SR63	147	72	284	
3/4"	20	20	DA63	147	72	295	152
			SR75	184	95	307	
1"	25	25	DA63	147	72	298	165
			SR75	184	95	310	
1-1/4"	32	32	DA75	184	95	315	178
			SR83	204	103	324	
1-1/2"	40	40	DA75	184	95	326	190
			SR83	204	103	335	
2"	50	50	DA83	204	103	340	216
			SR92	262	109	348	
2-1/2"	65	65	DA92	262	109	360	241
			SR105	268	121	376	
3"	80	80	DA105	268	121	386	283
			SR125	301	143	408	
4"	100	100	DA125	301	143	430	305
			SR140	394	152	448	
6"	150	150	DA160	458	174	505	403
			SR190	528	206	539	
8"	200	200	DA190	528	206	571	502
			SR210	532	226	596	

Above information is under normal working conditon, Please consult the technical department in case of special working conditions

Dimension

GB FLANGE PN16/PN25/PN40



SIZE	DN	Ød	PN16					PN25/PN40				
			Actuator Size	A	B	H	L	Actuator Size	A	B	H	L
1/2"	15	15	DA52	147	72	153	130	DA52	147	72	153	130
			SR63	172	83	170		SR63	172	83	170	
3/4"	20	20	DA52	147	72	157	130	DA63	172	83	173	130
			SR63	172	83	173		SR75	184	95	185	
1"	25	25	DA63	172	83	186	140	DA63	172	83	186	140
			SR75	184	95	198		SR75	184	95	198	
1-1/4"	32	32	DA63	172	83	192	165	DA75	184	95	204	165
			SR75	184	95	204		SR83	204	103	213	
1-1/2"	40	40	DA75	184	95	212	165	DA75	184	95	212	165
			SR83	204	103	221		SR83	204	103	221	
2"	50	50	DA83	204	103	231	203	DA83	204	103	231	203
			SR92	262	109	239		SR92	262	109	239	
2-1/2"	65	65	DA92	262	109	263	222	DA92	262	109	263	241
			SR105	268	121	279		SR105	268	121	279	
3"	80	80	DA92	262	109	276	241	DA105	268	121	292	283
			SR105	268	121	292		SR125	301	143	314	
4"	100	100	DA125	301	143	333	305	DA125	301	143	333	305
			SR140	394	152	351		SR140	394	152	351	
5"	125	125	DA140	394	152	387	356	DA140	394	152	387	381
			SR160	458	174	412		SR160	458	174	412	
6"	150	150	DA160	458	174	434	394	DA160	458	174	434	403
			SR190	528	206	468		SR190	528	206	468	
8"	200	200	DA190	528	206	516	457	DA190	528	206	516	502
			SR210	532	226	541		SR210	532	226	541	

Above information is under normal working conditon, Please consult the technical department in case of special working conditions

Specification

DESIGN
2-PC full bore design ,mounting pad for actuator according to ISO 5211.
Anti-static and Fireproof structure
Design standard: ASME B16.34

OPERATION
Electric include handle operation

CONNECTION
Flange standard:T20592、 ASME B16.5
GB/T 9113、 DIN1092

FACE TO FACE STANDARD
DIN3202 F4/F5
GB/T12221 series12

NOMINAL PRESSURE
PN16/PN25/40/150LB/300LB

TEMPERATURE RANGE
PTFE: -30°C - +120°C
R-PTFE: -30°C - +150°C
PEEK: -30°C - +200°C
TFM4215: -45°C - +220°C

MATERIALS
Body: WCB
CF8
CF8M

Ball: 304SS
316SS

Seat: PTFE/R-PTFE/PEEK/TFM4215

Packing:PTFE/R-PTFE/PEEK/TFM4215

EXTERNAL TEMPERATURE RANGE
-20°C - +60°C

OPTIONAL VOLTAGE
24V DC,24V AC,110V AC
220V AC,380V AC

PROTECTION CLASS
IP 67

STANDARD EQUIPMENT
Additional limit switches, optical position indicator,
manual override

OPTIONS
Dehumidification heater
Overtorque protection
Modulate type 4-20mA
Exd IIB T4

The above information is for reference only and
Eicmation reserves the right to alter without prior
notice

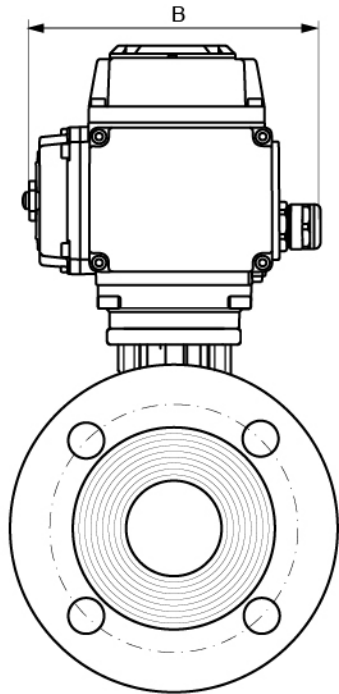
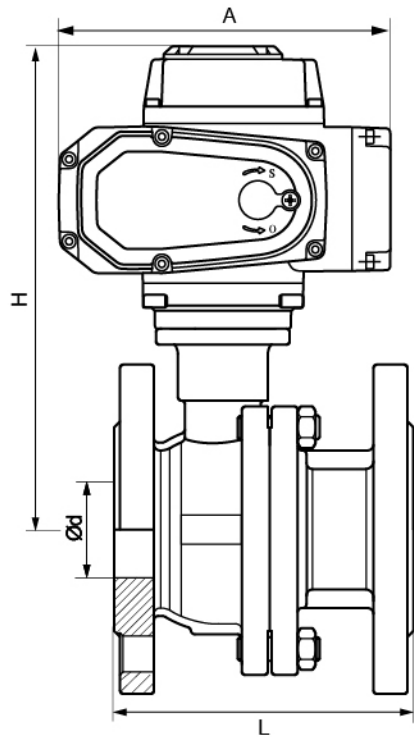


Type:
A200/201/202/203

2-Piece electric flange
ball valve
Full bore
PN16/25/40/150LB/300LB
WCB
CF8
CF8M

Dimension

FLANGE PN16/PN25/PN40/150LB

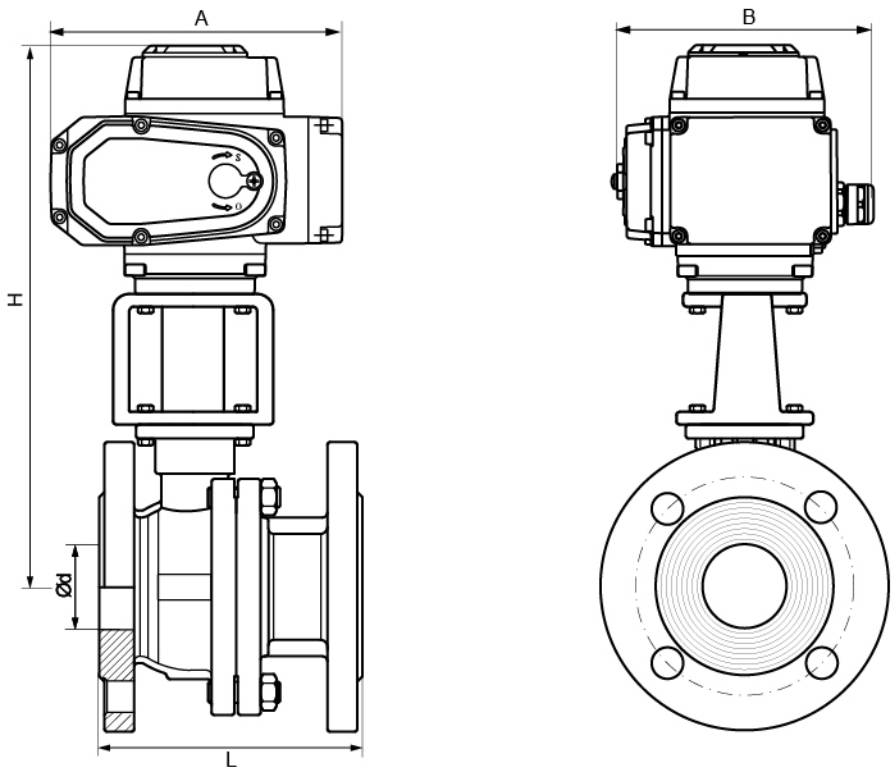


SIZE	DN	Ød	PN16/150LB						PN25/40					
			Actuator Model	A	B	H	L		Actuator Model	A	B	H	L	
							PN16	150LB						
1/2"	15	15	HB50	165	140.5	185.5	115	108	HB50	165	140.5	185.5	130	
			HBX50	170.5	120.5	198			HBX50	170.5	120.5	198		
3/4"	20	20	HB50	165	140.5	190.5	120	117	HB50	165	140.5	190.5	150	
			HBX50	170.5	120.5	203			HBX50	170.5	120.5	203		
1"	25	25	HB50	165	140.5	201.5	125	127	HB50	165	140.5	201.5	160	
			HBX50	170.5	120.5	214			HBX50	170.5	120.5	214		
1-1/4"	32	32	HB50	165	140.5	208.5	130	140	HB50	165	140.5	208.5	180	
			HBX50	170.5	120.5	221			HBX50	170.5	120.5	221		
1-1/2"	40	40	HB50	165	140.5	213.5	140	165	HB50	165	140.5	213.5	200	
			HBX50	170.5	120.5	226			HBX50	170.5	120.5	226		
2"	50	50	HB100	211.5	154	253.5	150	178	HB100	211.5	154	253.5	230	
			HBX100	217.5	139	267			HBX100	217.5	139	267		
2-1/2"	65	65	HB100	211.5	154	272.5	170	190	HB100	211.5	154	272.5	290	
			HBX100	217.5	139	286			HBX100	217.5	139	286		
3"	80	80	HB200	259	154	317	180	203	HB200	259	186	317	310	
			HBX200	217.5	139	296			HBX200	217.5	139	296		
4"	100	100	HB200	259	186	343	190	229	HB400	259	186	343	350	
			HBX200	217.5	139	322			HBX400	217.5	139	322		
5"	125	125	HB400	259	186	385	325	356	HB400	259	186	385	400	
			HBX400	266.5	170	396			HBX400	266.5	170	396		
6"	150	150	HB600	259	186	431	350	394	HB600	259	186	431	450	
			HBX600	266.5	170	415			HBX600	266.5	170	415		
8"	200	200	HB1000	283	193	482	400	457	HB1000	283	193	482	550	

Above information is under normal working conditon, Please consult the technical department in case of special working conditions

Dimension

FLANGE 300LB

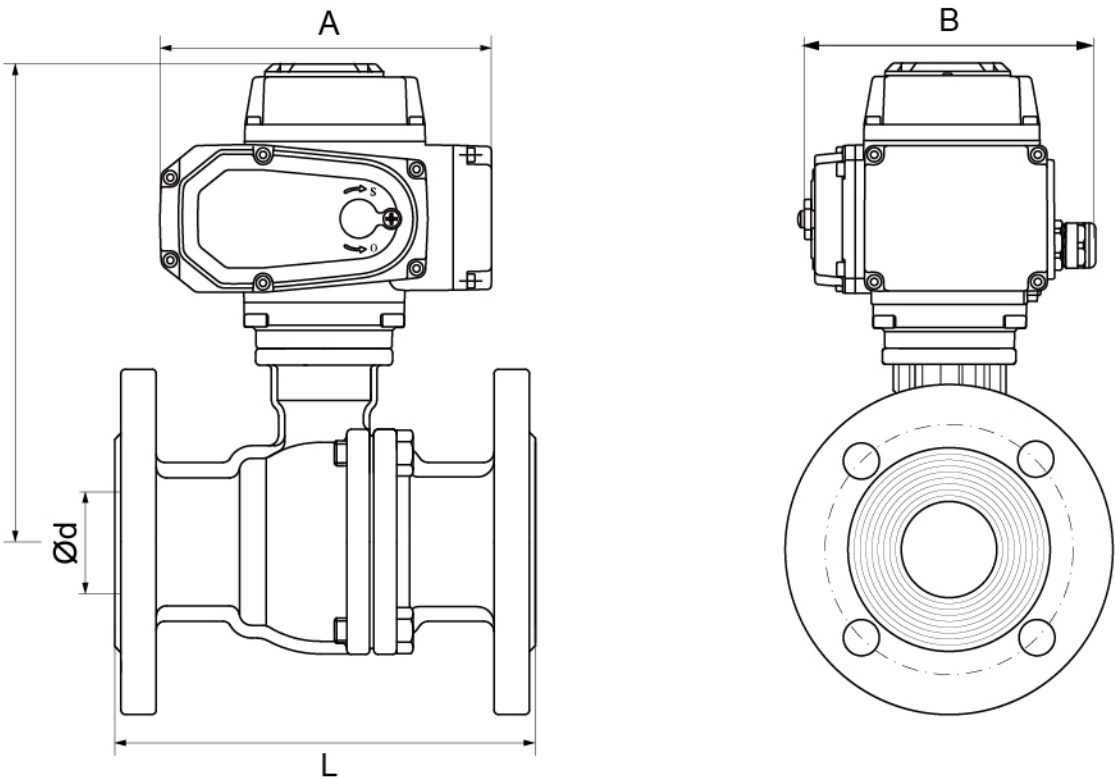


SIZE	DN	Ød	Actuator Model	A	B	H	L
1/2"	15	15	HB50	165	140.5	303	140
			HBX50	170.5	120.5	315.5	
3/4"	20	20	HB50	165	140.5	314	152
			HBX50	170.5	120.5	326.5	
1"	25	25	HB50	165	140.5	317.5	165
			HBX50	170.5	120.5	330	
1-1/4"	32	32	HB50	165	140.5	322	178
			HBX50	170.5	120.5	334.5	
1-1/2"	40	40	HB50	165	140.5	333.5	190
			HBX50	170.5	120.5	346	
2"	50	50	HB100	211.5	154	369	216
			HBX100	217.5	139	382.5	
2-1/2"	65	65	HB100	211.5	154	381.5	241
			HBX100	217.5	139	395	
3"	80	80	HB200	259	186	426	283
			HBX200	217.5	139	405	
4"	100	100	HB400	259	186	448	305
			HBX400	266.5	170	458	
5"	125	125	HB400	259	186	475	381
			HBX400	266.5	170	486	
6"	150	150	HB600	259	259	480	403
			HBX600	266.5	266.5	490	
8"	200	200	HB1000	283	193	515.5	502

Above information is under normal working conditon, Please consult the technical department in case of special working conditions

Dimension

GB FLANGE PN16/PN25/PN40



			PN16					PN25/PN40				
SIZE	DN	Ød	Actuator Model	A	B	H	L	Actuator Model	A	B	H	L
1/2"	15	15	HB50	165	140.5	185.5	130	HB50	165	140.5	185.5	130
			HBX50	170.5	120.5	198		HBX50	170.5	120.5	198	
3/4"	20	20	HB50	165	140.5	190.5	130	HB50	165	140.5	190.5	130
			HBX50	170.5	120.5	203		HBX50	170.5	120.5	203	
1"	25	25	HB50	165	140.5	201.5	140	HB50	165	140.5	201.5	140
			HBX50	170.5	120.5	214		HBX50	170.5	120.5	214	
1-1/4"	32	32	HB50	165	140.5	208.5	165	HB50	165	140.5	208.5	165
			HBX50	170.5	120.5	221		HBX50	170.5	120.5	221	
1-1/2"	40	40	HB50	165	140.5	213.5	165	HB50	165	140.5	213.5	165
			HBX50	170.5	120.5	226		HBX50	170.5	120.5	226	
2"	50	50	HB100	211.5	154	253.5	203	HB100	211.5	154	253.5	203
			HBX100	217.5	139	267		HBX100	217.5	139	267	
2-1/2"	65	65	HB100	211.5	154	272.5	222	HB100	211.5	154	272.5	241
			HBX100	217.5	139	286		HBX100	217.5	139	286	
3"	80	80	HB200	259	154	317	241	HB200	259	186	317	283
			HBX200	217.5	139	296		HBX200	217.5	139	296	
4"	100	100	HB200	259	186	343	305	HB400	259	186	343	305
			HBX200	217.5	139	322		HBX400	266.5	170	353	
5"	125	125	HB400	259	186	385	356	HB400	259	186	385	381
			HBX400	266.5	170	396		HBX400	266.5	170	396	
6"	150	150	HB600	259	186	431	394	HB600	259	186	405	403
			HBX600	266.5	170	415		HBX600	266.5	170	415	
8"	200	200	HB1000	283	193	482	457	HB1000	283	193	482.5	502

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