

INDUSTRIAL VALVES

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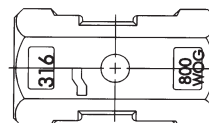
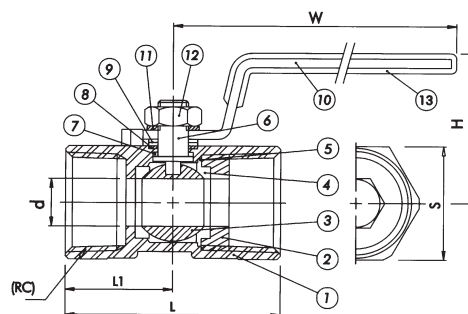
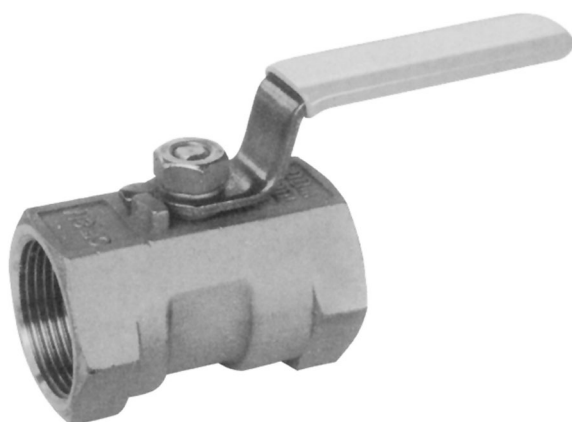
V-1 to V-5	Threaded Stainless Ball Valves
V-6	Threaded Shut-Off & Strainer
V-7	Threaded Piston & Swing Check
V-8	Threaded Gate & Globe Valves
V-9 to V-11	Flanged Full & Reduced Port Ball Valves
V-12 to V-13	Flanged Gate, Globe, Check & Strainer
V-14	Threaded Stainless Needle Valves
V-15	Wafer Style Butterfly Valves

**All dimensions shown herein are as per the factory data supplied to Resistaloy Inc. and are subject to change without notice.*

RAM-BALL #1006 1-Piece

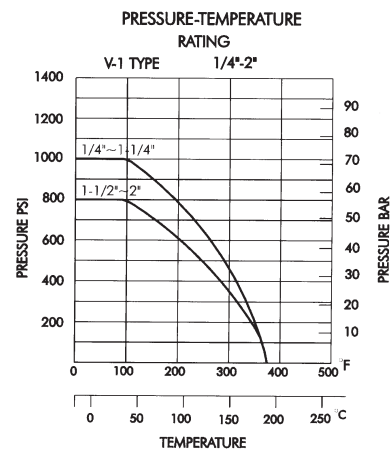
SIZE: 1/4" ~ 2" STAINLESS STEEL BALL VALVE SCREWED ENDS

FEATURES: * Pipe thread in accordance with ANSI B2.1, BS 21 1973, DIN 259/2999
 * Blow-out proof stem/Reduce bore
 * Investment casting body and inscrewed
 * 800 PSI (55 BAR) W.O.G./1000 PSI (69 BAR) W.O.G.
 * Material:ASTM-A351-CF8M, ASTM-A351-CF8



ITEM	NAME OF PARTS	QTY	MATERIALS	SPECIFICATION JIS SPEC.
1	BODY	1	STAINLESS STEEL	SUS316 OR SCS14A
2	INSERT	1	STAINLESS STEEL	SU5316 OR SCS14A
3	BALL	1	STAINLESS STEEL	SU5316
4	BALL SEAT	2	GIF+PTFE 15%	GIF+PTFE 15%
5	JOINT GASKET	1	PTFE	PTFE
6	STEM	1	STAINLESS STEEL	SU5316(1)
7	THRUST WASHER	1	PTFE	PTFE
8	STEM PACKING	1	PTFE	PTFE
9	STEM WASHER	2	STAINLESS STEEL	SU5304
10	HANDLE	1	STAINLESS STEEL	SU5304
11	SPRING WASHER	1	STAINLESS STEEL	SU5304
12	STEM NUT	1	STAINLESS STEEL	SU5304
13	PLASTIC COVER	1	PLASTIC	PLASTIC

NOMINAL SIZE (IPS)	d	L	L1	H	W	S	Cv FACTOR	TORQUE kgf-cm	kgs
1/4"	5	39	19	35	66	17	3.8	12	0.070
3/8"	7	44	21	36	74	21	4.0	12	0.102
1/2"	9.2	56.5	27.5	41	89	25	4.5	13	0.166
3/4"	12.5	59	30	44	89	32	9.0	20	0.247
1"	16	71	36	51	105	38	16.0	38	0.412
1-1/4"	20	78	39	56	105	48	24.0	50	0.672
1-1/2"	24.5	83	41.7	64	130	53	37.0	72	0.838
2"	32	100	50	71	130	65	68.0	90	1.384



RAM-BALL #2086 2-Piece

SIZE: 1/4" ~ 4" 1000 W.O.G. FULL PORT STAINLESS STEEL BALL VALVES AISI-316 (ASTM-A351-CF8M) IN STOCK AISI-304 (ASTM-A351-CF8) SPECIAL ORDER

FEATURES: * Pipe thread in accordance with ANSI B2.1, BS 21 1973, DIN 259/2999

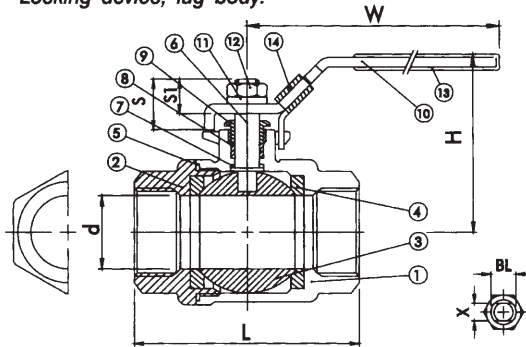
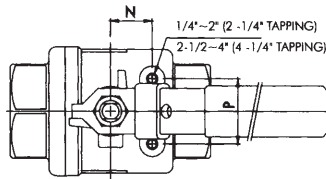
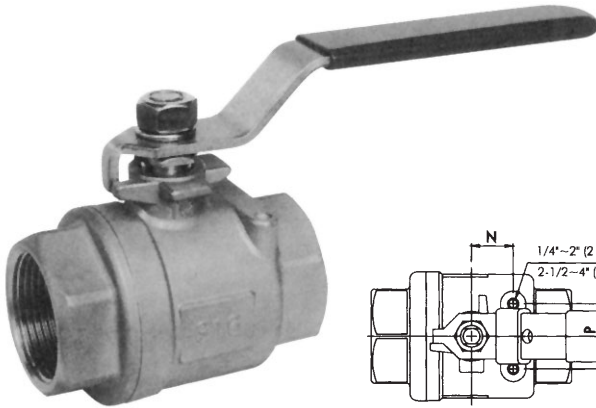
* With mounting pad

* Blow-out proof stem/Full port

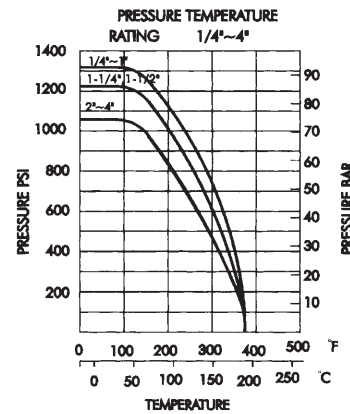
* Investment casting body and cap

* 1000 PSI (69 BAR) W.O.G.

* Locking device, lug body.



ITEM	NAME OF PARTS	QTY	MATERIALS
1	BODY	1	ASTM-A351-CF8M
2	CAP	1	ASTM-A351-CF8M
3	BALL	1	ASTM-A351-CF8M
4	BALL SEAT	2	15% R-PTFE
5	JOINT GASKET	1	PTFE
6	STEM	1	AISI 316
7	THRUST WASHER	1	PTFE
8	STEM PACKING	2	PTFE
9	GLAND NUT	1	AISI 304
10	HANDLE	1	AISI 304
11	SPRING WASHER	1	AISI 304
12	STEM NUT	1	AISI 304
13	PLASTIC COVER	1	PLASTIC



NOMINAL SIZE (IPS)	d	L	H	W	S	S1	X	N	P	BL	Cv FACTOR	TORQUE kgf-cm	kgs
14	LOCK	DEVICE	1		AISI 304								
1/4"	11.6	49	51	105	16.5	10.2	5	12.5	28.5	5/16"	6.6	40	0.27
3/8"	12.7	49	51	105	16.5	10.2	5	12.5	28.5	5/16"	7.9	40	0.27
1/2"	15	57	53	105	16.5	10.2	5	12.5	28.5	5/16"	11.2	54	0.32
3/4"	20	65	59	125	20	13.5	6.5	21	34.8	3/8"	21	74	0.50
1"	25	78	73	160	23.5	16	8	22.5	34.8	7/16"	35	104	0.82
1-1/4"	32	90.5	78	160	23.5	16	8	23.5	38.1	7/16"	57	135	1.25
1-1/2"	38	105	91	190	25.5	17	9	23.5	38.1	1/2"	80	180	1.93
2"	50	127	99	190	25.5	17	9	23.5	38.1	1/2"	148	250	3.10
2-1/2"	65	160	130	245	41	29.5	12	35	56	3/4"	265	480	6.47
3"	80	187	142	245	41	29.5	12	35	56	3/4"	415	750	10.75

RAM-BALL #2306 2-Piece

SIZE: 1/4" ~ 2"

3000 W.O.G. 316 SS

FULL PORT NPT BALL VALVES

STAINLESS STEEL AISI 316

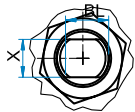


FEATURES:

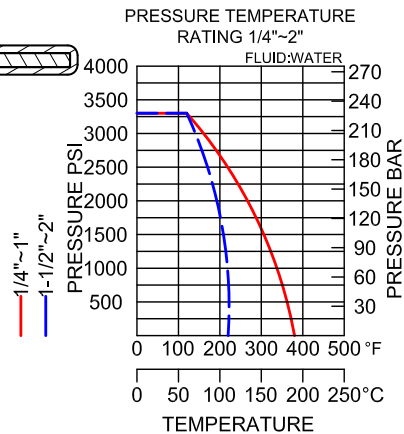
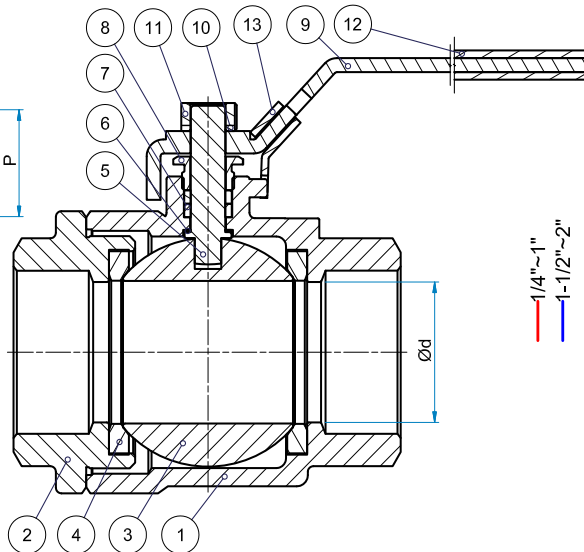
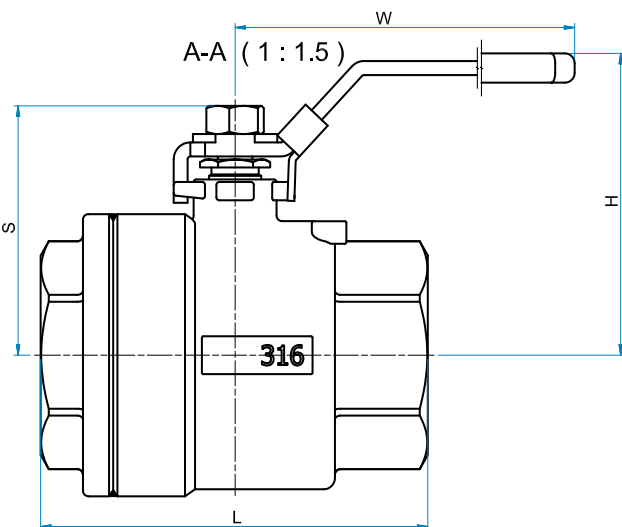
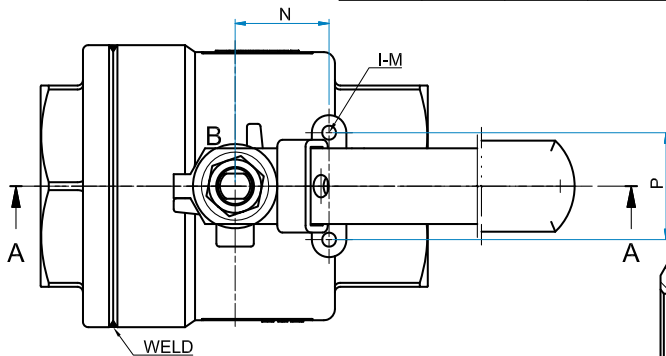
- Full port
- Welding between cap and body
- Pipe thread in accordance with ANSI B2.1, BS 21 1973
- Blow-out proof stem
- 3000 WOG(200 BAR)
- With mounting pad

OPTION:

- Locking device
- Drilled and tapped mounting pad



SIZE	Ød	L	H	W	N	S	P	I-M	X	BL	Cv FACTOR	TORQUE(Kgf-cm)
1/4"	11.6	60.5	58	95	12.5	42.4	28.5	2-1/4 20UNC	5	5/16"	6.6	46
3/8"	12.7	60.5	58	95	12.5	42.4	28.5	2-1/4 20UNC	5	5/16"	7.9	46
1/2"	15	62.5	58	95	12.5	42.5	28.5	2-1/4 20UNC	5	5/16"	11.2	54
3/4"	20	77	62.5	110	21	52.3	34.8	2-1/4 20UNC	6.5	3/8"	21	78
1"	25.4	90	77	135	22.5	63.1	34.8	2-1/4 20UNC	8	7/16"	35	106
1-1/4"	32	103	82	158	23.5	67.7	38.1	2-1/4 20UNC	8	7/16"	57	150
1-1/2"	38	120	98.5	253	23.5	78.9	38.1	2-1/4 20UNC	9	1/2"	80	200
2"	50.8	140	107.5	253	34	87.7	38.1	2-1/4 20UNC	9	1/2"	150	280

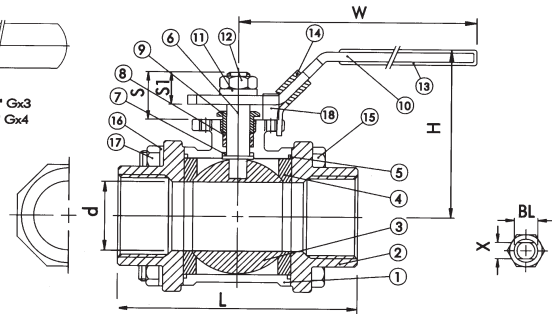
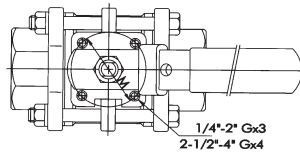
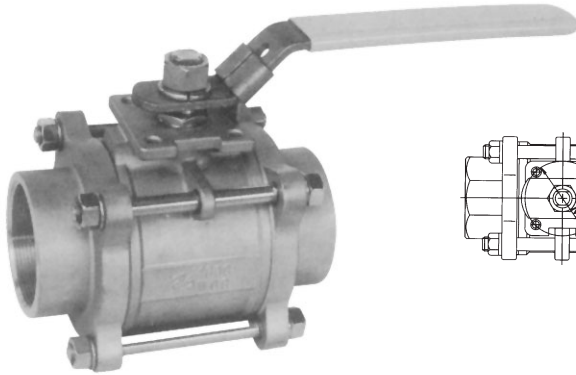


ITEM	PARTS	Q,TY	MATERIAL
1	BODY	1	ASTM-A351-CF8M
2	CAP	1	ASTM-A351-CF8M
3	BALL	1	ASTM-A351-CF8M
4	BALL SEAT	2	1/4"~1" R-PTFE 1-1/4"~2" PC-TFE
5	STEM	1	AISI 316
6	THRUST WASHER	1	R-PTFE
7	STEM PACKING	2	R-PTFE
8	GLAND NUT	1	AISI 304
9	HANDLE	1	AISI 430
10	STEM NUT	1	AISI 304
11	SPRING WASHER	1	AISI 304
12	PLASTIC COVER	1	PLASTIC
13	LOCK DEVICE	1	AISI 304

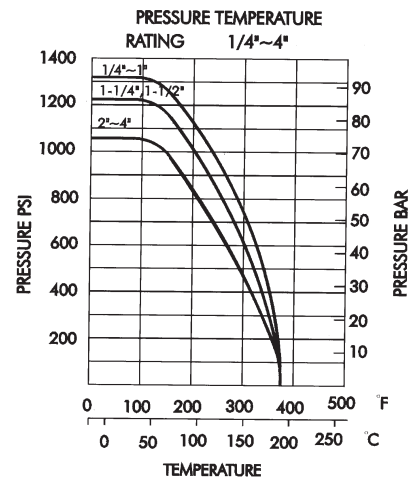
RAM-BALL #3006 3-Piece

SIZE: 1/4" ~ 4" 1000 W.O.G. 316 SS. FULL PORT NPT BALL VALVES STAINLESS STEEL AISI 316

- FEATURES:**
- * Pipe thread in accordance with ANSI B2.1, BS 21 1973, DIN 259/2999
 - * Locking device, Lug body.
 - * Blow-out proof stem/Full port
 - * Investment casting body and cap
 - * 1000 PSI (69 BAR) W.O.G
 - * Mounting Flanged for ISO Standard 5211
 - * Screwed end, butt weld end, socket weld end.
 - * Material: ASTM-A351-CF8M, ASTM-A351-CF8 & ASTM-A216-WCB



ITEM	NAME OF PARTS	QTY	MATERIALS
1	BODY	1	ASTM-A351-CF8M
2	CAP	2	ASTM-A351-CF8M
3	BALL	1	ASTM-A351-CF8M
4	BALL SEAT	2	15% R-PTFE
5	JOINT GASKET	2	15% R-PTFE
6	STEM	1	AISI 316
7	THRUST WASHER	1	PTFE
8	STEM PACKING	2	PTFE
9	GLAND NUT	1	AISI 304
10	HANDLE	1	AISI 304
11	STEM WASHER	1	AISI 304
12	STEM NUT	1	AISI 304
13	PLASTIC COVER	1	PLASTIC
14	LOCK DEVICE	1	AISI 304
15	BOLT	4(4"x6 SET)	AISI 304
16	SPRING WASHER	4(4"x6 SET)	AISI 304
17	HEX NUT	4(4"x6 SET)	AISI 304
18	STOP PIN	1	AISI 304

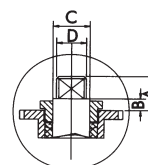
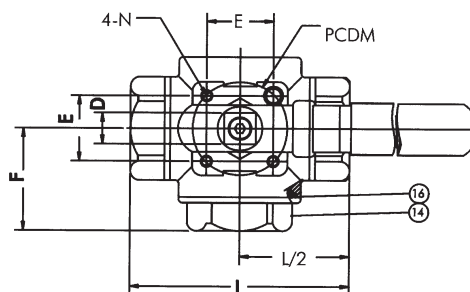


NOMINAL SIZE (IPS)	d	L	H	W	S	S1	X	BL	ISO M	5211 G	Cv FACTOR	TORQUE kgf-cm	kgs
1/4"	11.6	65	51	105	16.5	10.2	5	5/16"	36	M5	6.6	40	0.44
3/8"	12.7	65	51	105	16.5	10.2	5	5/16"	36	M5	7.9	40	0.43
1/2"	15	66	55	125	18.5	12.8	6.5	3/8"	36	M5	11.2	54	0.67
3/4"	20	81	60	125	20	13.5	6.5	3/8"	36	M5	21	78	0.88
1"	25	95	74	160	24	16	8	7/16"	42	M5	35	106	1.26
1-1/4"	32	109	80	160	24	16	8	7/16"	50	M6	57	150	2.04
1-1/2"	38	129	92	190	26	17	9	1/2"	50	M6	80	200	2.80
2"	50.8	150	101	190	26	17	9	1/2"	70	M8	150	280	4.29
2-1/2"	65	180	130	245	41	29.5	12	3/4"	70	M8	265	500	8.58
3"	80	206	142	245	41	29.5	12	3/4"	102	M10	415	770	14.15
4"	100	261	174	325	48	36.5	16	1"	102	M10	780	1100	25.18

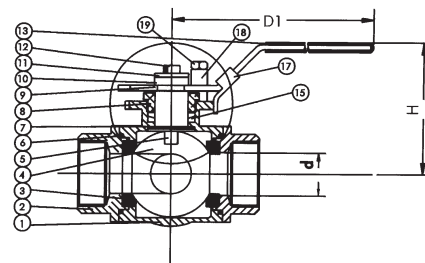
RAM-BALL 30T6 3-Way

SIZE: 1/4" ~ 2" 1000 W.O.G. 316 SS.
3-WAY, REDUCED PORT, NPT
STAINLESS STEEL BALL VALVES
WITH ISO MOUNTING PADS,
INVESTMENT CASTING

- FEATURES:**
- * Body & cap in ASTM A351-CF8M
 - * Trim in AISI 316
 - * Mounting pad for ISO 5211
 - * Anti-static device
 - * Blow-out proof stem, Lever operated.
 - * 1000 PSI (69 BAR) W.O.G.
 - * L port, T port

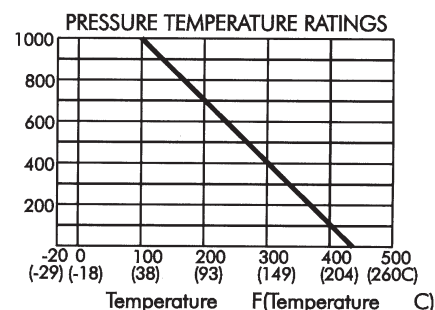


ITEM	PART	MATERIAL	QTY
1	BODY	ASTM A351 CF8M	1
2	END CAP	ASTM A351 CF8M	2
3	BALL SEAT	REINFORCED PTFE	4
4	BALL	ASTM A351 CF8M	1
5	STEM	AISI 316	1
6	END SEALS	REINFORCED PTFE	2
7	THRUST WASHER	REINFORCED PTFE	1
8	GLAND	AISI 304	1
9	HANDLE	AISI 304	1
10	HANDLE WASHER	AISI 304	1
11	WASHER	AISI 304	1
12	HANDLE NUT	AISI 304	1
13	HANDLE SLEEVE	PLASTIC	1
14	END CAP	ASTM A351 CF8M	1
15	STEM PACKING	REINFORCED PTFE	2
16	END SEALS	REINFORCED PTFE	1
17	LOCK	AISI 304	1
18	STOP RING	AISI 304	1
19	BOLT	AISI 304	1



PORT TYPE	1	2	3	4
L				
T				

NOMINAL SIZE	d	L	H	D1	A	B	C	D	E	F	M	N
1/4"	11.0	68	58	106	11	6	12	9	29.7	34	42	M5*0.8
3/8"	11.0	68	58	106	11	6	12	9	29.7	34	42	M5*0.8
1/2"	12.7	75	61	138	11	6	12	9	29.7	37.5	42	M5*0.8
3/4"	16.0	86	74	138	13	6	15	11	35.4	43	50	M6*1
1"	20.0	103	81	162	19	7.5	15	11	35.4	51.5	50	M6*1
1-1/4"	25.0	115	88	162	19	7.5	15	11	35.4	57.5	50	M6*1
1-1/2"	32.0	125	104	220	23.5	8.5	15	11	49.5	62.5	70	M8*1.25
2"	38.1	146	110	220	24.5	8.5	18.5	14	49.5	73	70	M8*1.25



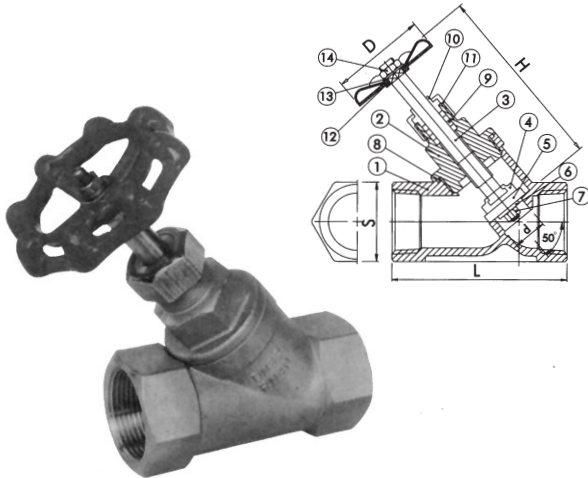
SHUT-OFF VALVE

SCREWED END

VT-S

TYPE SIZE: 1/4" ~ 2"

- FEATURES:**
- * Investment casting body.
 - * 300 PSI (20 BAR) W.O.G.
 - * Max. working temperature 230° C.
 - * The end-to-end length conforms to Din 3202 Part 4. M8 series. (PN40)
 - * Thread ends conform to ANSI B2.1, BS21, DIN 259/2999. standard.



ITEM	PARTS	MATERIAL
1	BODY	ASTM A351-CF8M
2	BONNET	ASTM A351-CF8M
3	STEM	AISI 316
4	DISC	AISI 316
5	SEAT	PTFE
6	WASHER	AISI 304
7	NUT	AISI 304
8	JOINT GASKET	PTFE
9	STEM PACKING	PTFE
10	GLAND	AISI 304
11	PACKING NUT	AISI 304
12	HANDWHEEL	MALLEABLE IRON
13	WASHER	AISI 304
14	NUT	AISI 304

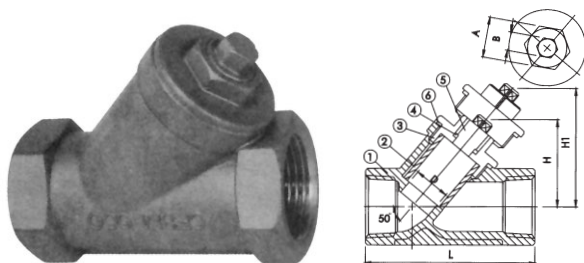
SIZE	d	L	S	H	D
1/4"	11.6	65.5	27	97	62
3/8"	12.5	65.5	27	97	62
1/2"	12.5	65.5	27	97	62
3/4"	18.0	75.5	32	110	62
1"	23.5	90.5	41	117	83
1-1/4"	31.4	111	50	138	83
1-1/2"	35.7	121	55.5	150	114
2"	45.5	151	70	168	114

Y-STRAINER

SCREWED END

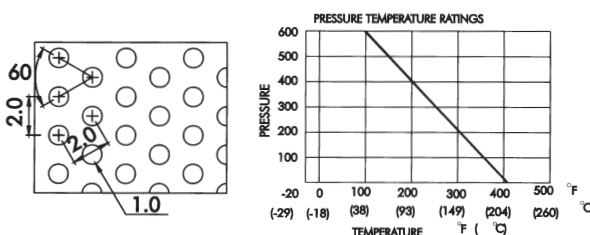
YS-600 TYPE SIZE: 1/4" ~ 2"

- FEATURES:**
- * Investment casting body,
 - * Max. Pressure 300PSI (20 BAR) W.O.G.
 - * Maximum working temperature 230° C.
 - * The end-to-end length conforms to Din 3202, Part 4, M8 series. (PN16, PN40)
 - * Thread ends conform to ANSI B2.1, BS21 DIN259/2999 standard



ITEM	PARTS	MATERIAL
1	BODY	ASTM-A351-CF8M
2	SCREEN	ASTM-A351 -CF8M
3	BONNET	ASTM-A351-CF8M
4	PACKING	PTFE
5	PLUG	AISI 316
6	JOINT GASKET	PTFE

SIZE	D	L	H	H1	A	B
1/4"	10.0	57	35	45	16	8
3/8"	10.0	57	35	45	16	8
1/2"	15.0	60	38	51	16	8
3/4"	20.0	69	42	55	16	8
1"	25.0	85	50	66	20.7	10
1-1/4"	32.0	99	55	73	25	12
1-1/2"	38.0	111	59	80	25	12
2"	51.0	137	73	100	32	12
2-1/2"	65.0	172	91	153	38	15
3"	80.0	205	110	173	38	15



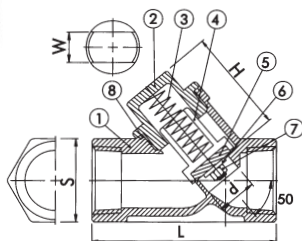
VARIOUS MESHES AVAILABLE.

PISTON CHECK VALVE

SCREWED END

PC-300 TYPE SIZE: 1/4" ~ 2"

- FEATURES:**
- * Investment casting body & cap.
 - * 300 PSI (20 BAR) W.O.G. rating.
 - * Maximum working temperature 230°C.
 - * The end-to-end length conforms to Din 3202. Part 4. M8 series. (PN40)
 - * Thread ends conform to ANSI B2.1, BS2.1, DIN 259/2999 STANDARD



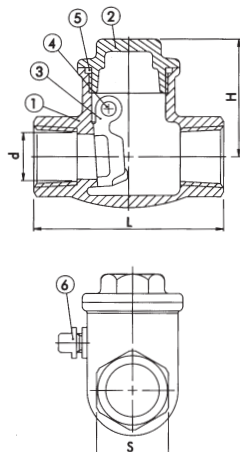
ITEM	PARTS	MATERIALS
1	BODY	ASTM-A351-CF8M
2	CAP	ASTM-A351-CF8M
3	SPRING	AISI 316
4	DISC	AISI 316
5	SEAT	PTFE
6	WASHER	AISI 304
7	NUT	AISI 304
8	JOINT GASKET	PTFE

SIZE	d	L	S	H	W
1/4"	11.6	65.5	27	38	24
3/8"	12.5	65.5	27	38	24
1/2"	12.5	65.5	27	36	24
3/4"	18	75.5	32	44	30
1"	23.5	90.5	41	57	35
1-1/4"	31.4	111	50	64	40
1-1/2"	35.7	121	55.5	76	45
2"	45.5	151	70	87	55

CLASS 200 SWING CHECK VALVE SCREWED END

SC-300 TYPE SIZE: 1/2" ~ 2"

Full port pressure temperature rating 200 PSI W.O.G.
350°F S.P. threaded ends conform to ANSI B 2.1, BS 21,
DIN 259/2999, Stainless steel class 200 screwed cap,
swing type disc, integral seat.



ITEM	PARTS	MATERIALS
1	BODY	ASTM-A351-CF8M
2	CAP	ASTM-A351-CF8M
3	DISC	AISI 316
4	HINGE PIN	AISI 316
5	PACKING	PTFE

SIZE	d	L	S	W
1/4"	10	65	27	45
3/8"	12	65	27	45
1/2"	15	65	27	45
3/4"	20	80	34	55
1"	25	90	40	58
1-1/4"	32	105	50	62
1-1/2"	40	120	57	75
2"	50	140	70	78

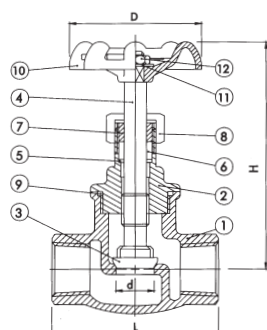
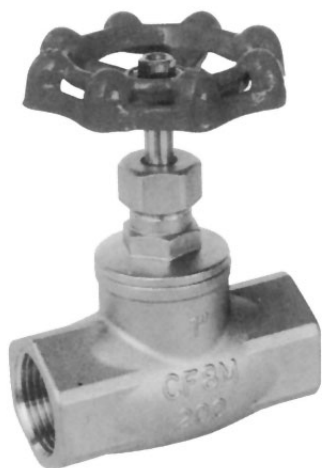
CLASS 200 GLOBE VALVE

SCREWED END

GB-100 TYPE SIZE: 1/2" ~ 2"

Full port pressure temperature rating 200 PSI W.O.G.
350°F S.P. threaded ends conform to ANSI B 2.1, BS 21,
DIN 259/2999

Stainless steel class 200 inside screw and screwed bonnet,
swivel disc integral seat, rising stem and handwheel.



ITEM	PARTS	MATERIALS
1	BODY	ASTM-A351-CF8M
2	BONNET	ASTM-A351-CF8M
3	DISC	AISI 316
4	STEM	AISI 316
5	RETAINER RING	AISI 316
6	PACKING	PTFE
7	GLAND	AISI 316
8	PACKING NUT	ASTM-A351-CF8M
9	PACKING	PTFE
10	HAND WHEEL	CAST IRON
11	PLATE	ALUMINUM
12	WHEEL NUT	AISI 316

SIZE	d	L	H OPEN	D
1/4"	10	52	102	60
3/8"	12	52	102	60
1/2"	15	52	102	60
3/4"	20	60	113	70
1"	25	72	123	70
1-1/4"	32	80	148	80
1-1/2"	40	90	160	90
2"	50	106	180	100

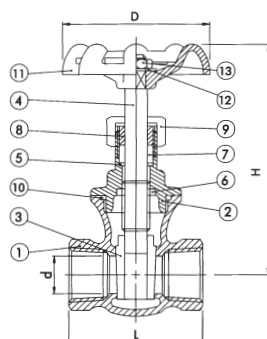
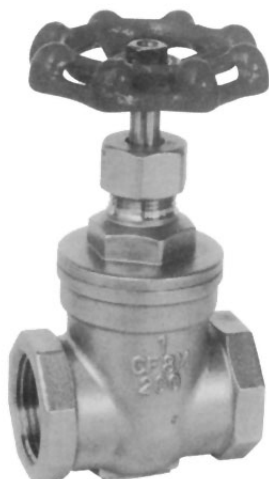
CLASS 200 GATE VALVE

SCREWED END

GT-200 TYPE SIZE: 1/2" ~ 2"

Full port pressure temperature rating 200 PSI W.O.G.
350°F S.P. threaded ends conform to ANSI B 2.1, BS 21,
DIN 259/2999

Stainless steel class 200 inside screw and screwed
bonnet, wedge disc integral seats, non-rising stem and
handwheel.



ITEM	PARTS	MATERIALS
1	BODY	ASTM-CF8M-A351
2	BONNET	ASTM-CF8M-A351
3	DISC	ASTM-CF8M-A351
4	STEM	AISI 316
5	STEM WASHER	AISI 316
6	SNAP WASHER	AISI 316
7	PACKING	PTFE
8	GLAND	AISI 316
9	PACKING NUT	ASTM-CF8M-A351
10	PACKING	PTFE
11	HAND WHEEL	CAST IRON
12	PLATE	
13	WHEEL NUT	AISI 316

SIZE	d	L	H OPEN	D
1/2"	15	54	93	60
3/4"	20	58	103	70
1"	25	65	112	70
1-1/4"	32	74	125	80
1-1/2"	40	78	145	90
2"	50	87	170	100

1-PIECE FLANGED END STANDARD PORT BALL VALVE

V-1F TYPE

SIZE: 1/2" ~ 6"

**1-PC STAINLESS STEEL
FLANGED BALL VALVES
WITH MOUNTING PAD ISO 5211
ANSI 150 LB**



STANDARD

DESIGN: BS 5351

FACE TO FACE: ANSI B16.10

FLANGE DIMENSIONS: ANSI B16.5

TESTING: API 598

APPLICATION

FOR GENERAL CHEMICAL AND INDUSTRIAL SERVICES

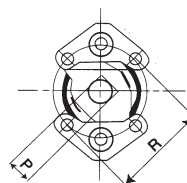
PRESSURE-TEMPERATURE RATING: ANSI B16.34

SPECIFICATION

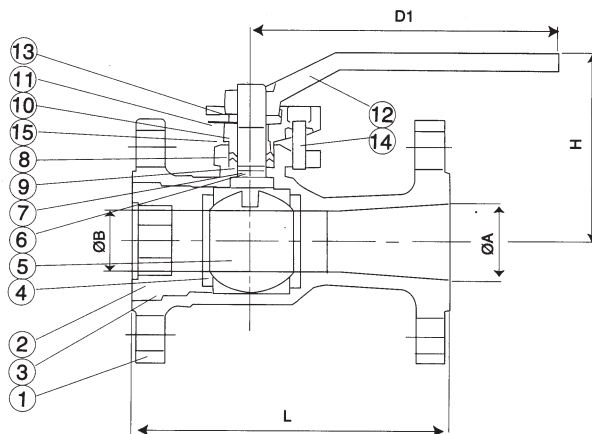
FIRE-SAFE DESIGN

BODY MATERIAL: CF8M, CF8, CF3M

ITEM	PART NAME	MATERIALS
1	BODY	ASTM A351 CF8M
2	INSERT	ASTM A351 CF8M
3	GASKET	PTFE
4	SEAT	PTFE
5	BALL	ASTM A351 CF8M
6	THRUST WASHER	PTFE
7	STEM	S.S. 316
8	PACKING	PTFE
9	WASHER	S.S. 304
10	GLAND	ASTM A351 CF8
11	STOPPER	S.S. 304
12	HANDLE	FCD45
13	SNAP RING	S.S. 304
14	GLAND BOLT	ASTM A193-B8
15	GLAND BUSH	PTFE



SIZE		A	B	L	D1	H	P	R
INCH	mm							
1/2"	15	15	12.7	108	125	70	10	42
3/4"	20	20	16	117	125	73	10	42
1"	25	25	20	127	125	76	10	42
1-1/2"	40	40	32	165	145	91	12	50
2"	50	50	40	178	230	119	17	70
2 1/2"	65	65	50	190	230	127	17	70
3"	80	80	65	203	400	157	22	102
4"	100	100	76	229	400	175	22	102
6"	150	150	125	268	460	243	27	125



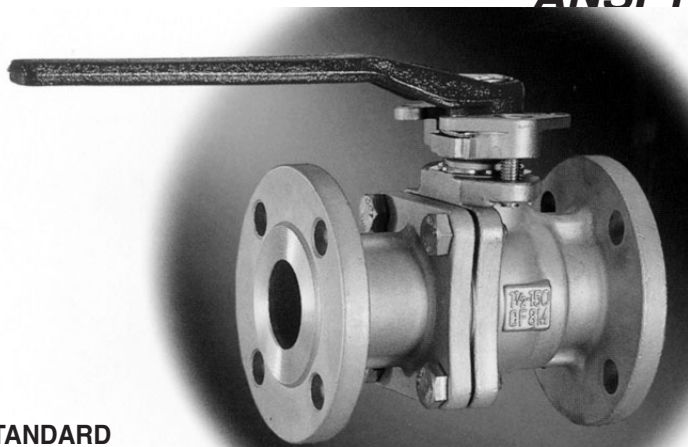
2-PIECE FLANGED END FULL PORT BALL VALVE

V-2F TYPE 2-PC STAINLESS STEEL FLANGED BALL VALVES

SIZE: 1/2" ~ 10"

WITH MOUNTING PAD ISO 5211

ANSI 150/300 LB / JIS 10K / DIN PN16



STANDARD

DESIGN: BS 5351

FACE TO FACE: ANSI B16.10/JIS B2002/DIN PN16 3202 F4/F5

FLANGE DIMENSIONS: ANSI B16.5/JIS B2210/DIN 2633 PN16

TESTING: API 598

APPLICATION

FOR GENERAL CHEMICAL AND INDUSTRIAL SERVICES

PRESSURE-TEMPERATURE RATING: ANSI B16.34/JIS B2201

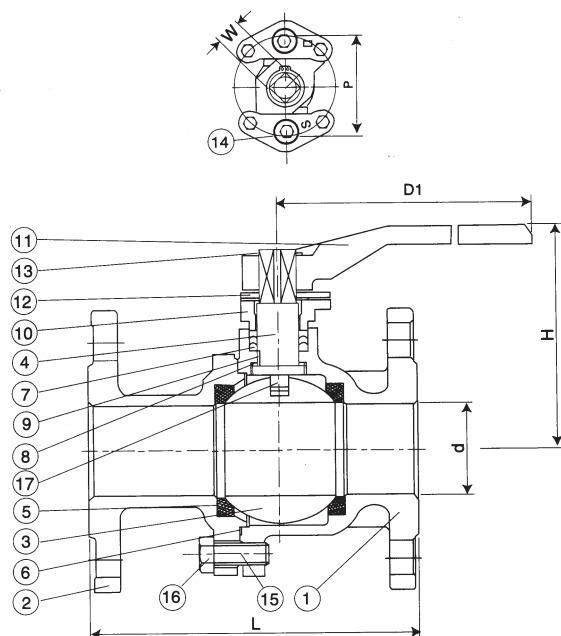
SPECIFICATION

FIRE-SAFE DESIGN

BODY MATERIAL: CF8M, CF8, CF3M

ITEM	PART NAME	MATERIALS	QTY
1	BODY	ASTM A351 CF8M	1
2	CAP	ASTM A351 CF8M	1
3	BALL	ASTM A351 CF8M	1
4	STEM	ASTM A276-316	1
5	SEATS	PTFE	2
6	GASKET	PTFE	1 SET
7	STEM PACKING	PTFE	1
8	THRUST WASHER	PTFE	1
9	BEARING	PTFE	1
10	GLAND FLANGE	ASTM A351 CF8	1
11	HANDLE	FCD45	1
12	STOP PLATE	S.S. 304	1
13	SNAP RING	S.S. 304	1
14	GLAND BOLT	ASTM A193-B8	2-4
15	BOLT	ASTM A193-B8	4-12
16	NUT	ASTM A194-8	4-12
17*	STATIC SPRING	S.S. 304	1-2

SIZE	mm	L			H	D1	P	W
		150 LB/JIS 10K	300 LB	PN 16				
1/2"	15	108	140	115	82	125	42	10
3/4"	20	117	152	120	85	125	42	10
1"	25	127	165	125	94	145	50	12
1 1/4"	32	140	178	130	100	145	50	12
1 1/2"	40	165	190	140	115	230	70	17
2"	50	178	216	150	120	230	70	17
2 1/2"	65	190	241	170	155	400	102	20
3"	80	203	282	180	165	400	102	20
4"	100	229	305	190	200	460	102	27
5"	125	356	-	325	220	460	102	27
6"	150	394	403	350	255	800	125	32
8"	200	457	502	400	300	1000	140	36
10"	250	533	-	450	360	1000	165	36



3-PIECE FLANGED END FULL PORT BALL VALVE

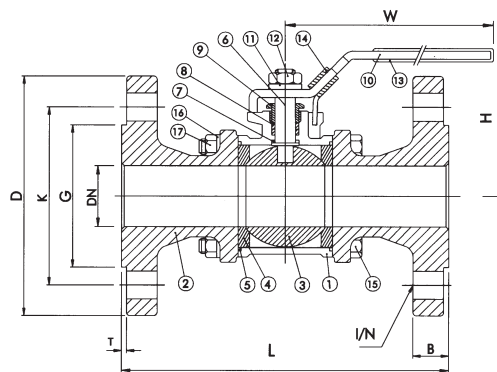
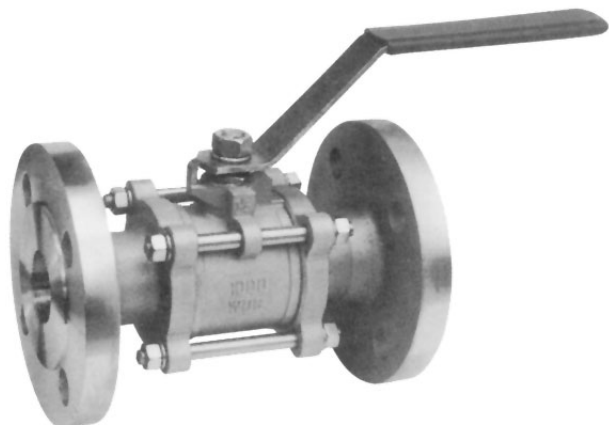
V-3F TYPE

3-PIECE FLANGED END BALL VALVE
ACC. TO ANSI-CLASS 150, DIN PN 16 / PN 40

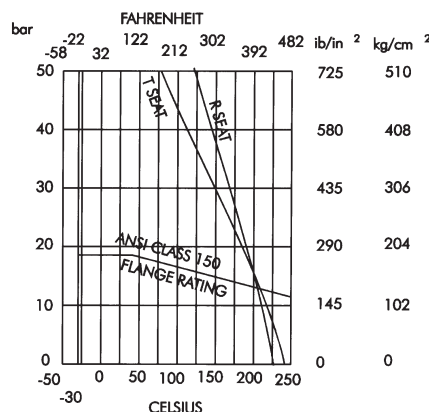
STAINLESS STEEL AISI 316

SIZE: 1/2" ~ 4"

- FEATURES:**
- * Face-to-face ANSI 16.1
 - * Locking device, lug body
 - * Blow-out proof system
 - * Investment casting body and cap
 - * Material: ASTM-A351-CF8M & ASTM-A351-CF8



ITEM	PARTS	QTY	MATERIALS
1	BODY	1	ASTM-A351-CF8M
2	FLANGED END CAP	2	ASTM-A351-CF8M
3	BALL	1	ASTM-A351-CF8M
4	BALL SEATS	2	15% R-PTFE
5	JOINT GASKET	2	15% R-PTFE
6	STEM	1	AISI 316
7	THRUST WASHER	1	PTFE
8	STEM PACKING	2	PTFE
9	GLAND NUT	1	AISI 304
10	HANDLE	1	AISI 304
11	STEM WASHER	1	AISI 304
12	STEM NUT	1	AISI 304
13	PLASTIC COVER	1	PLASTIC
14	LOCK DEVICE	1	AISI 304
15	BOLT	4	AISI 304
16	SPRING WASHER	4	AISI 304
17	HEX NUT	4	AISI 304



SIZE		L		ANSI-150					T	H	W	CV FAC- TOR	TORO UE kgf-cm	kgs
INCH	mm	F1	ANSI 150	D	K	G	B	I/N						
1/2	15	130	108	89	60.5	35	11.2	16/4	2	79	160	11.2	54	2.10
Cv	20	150	117	98	70	43	12.7	16/4	2	84	160	21	78	3.10
1	25	160	127	108	79.5	51	14.3	16/4	2	100	185	35	106	4.10
1 Zw	32	180	140	117	89	64	15.9	16/4	2	105	185	57	150	6.00
1 1/2	40	200	165	127	98.5	73	17.5	16/4	3	115	220	80	200	7.40
2	50	230	178	152	120.5	92	19.1	19/4	3	124	220	150	280	10.50
2 1/2	65	290	190	178	139.5	105	22.3	19/4	3	165	305	265	510	16.40
3	80	310	203	190	152.5	127	23.9	19/4	3	177	305	415	780	24.00
4	100	350	229	229	190.5	157	23.9	19/8	3	203	330	780	1130	33.00

GATE VALVE ANSI CLASS 150

V-GAF TYPE GATE VALVE FLANGED END, CLASS 150 LBS, STAINLESS

SIZE: 1/2" ~ 12"

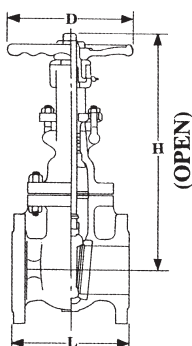


APPLICABLE CLASS 150 STANDARDS:

Steel Valves, ANSI B16.34
Face to Face, ANSI B16.10
End Flanges, ANSI B16.5

TEST PRESSURE:

Shell (by Hydraulic), 450psig
Seat (by Hydraulic), 315psig
(by Pneumatic), 60-100psig



DESIGN DESCRIPTION:

Bolted Bonnet
Outside Screw and Yoke
Flexible Wedge, FOR 2 1/2"-12"

Rising Stem and
Non-Rising Handwheel
Flanged Ends

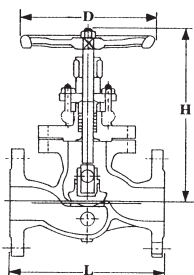
PARTS NAME	MATERIALS
BODY	ASTM-A351-CF8M
BONNET	ASTM-A351 -CF8M
STEM	AISI 316
DISC	ASTM-A351 -CF8M
SEAT RING	WELDED S.S.304
GLAND	A276-316
GLAND PACKING	PTFE (GRAFOIL)
GLAND FLANGE	ASTM-A351-CF8M
HANDWHEEL	DUCTILE IRON
GASKET	PTFE/ASBESTOS
BONNET BOLT/NUT	ASTM A194-B8
GLAND BOLT/NUT	ASTM A194-B8
BONNET BUSH	ASIS-410
YOKE SLEEVE	BRONZE

SIZE	IN	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
	mm	15	20	25	40	50	65	80	100	125	150	200	250	300
L END TO END		108	117	127	165	178	190	203	229	254	267	292	330	356
H HEIGHT		185	210	220	270	320	380	445	523	606	710	920	1117	1324
D HANDLE		190	90	100	140	160	180	200	225	250	250	300	350	400

ACC. TO ANSI B16.10 FACE ANSI B 16.5 SPECIFICATION

GLOBE VALVE ANSI CLASS 150

SIZE: 1/2" ~ 12"



DESIGN DESCRIPTION:

Bolted Bonnet
Outside Screw and Yoke
Rising Stem and Handwheel
Yoke Integral with Bonnet
Renewable Seat Ring, Loose Disc
Flanged Ends

APPLICABLE CLASS 150 STANDARDS:

ANSI B16.34
Face to face, ANSI B16.10
End Flanges, ANSI B16.5

TEST PRESSURE:

Shell (By Hydraulic) 450psi
Seat (By Hydraulic) 315psi
(By Pneumatic) 60-100psi

PARTS NAME	MATERIALS
BODY	ASTM-A351-CF8M
BONNET	ASTM-A351-CF8M
STEM	AISI-316
DISC	ASTM-A351-CF8M
GLAND	ASTM-A351-CF8M
GLAND PACKING	PTFE/GRAFOIL
GLAND FLANGE	ASTM-A351-CF8M
HANDWHEEL	DUCTILE IRON
GASKET	PTFE/ASBESTOS
BONNET BOLT/NUT	ASTM A194-B8
GLAND BOLT/NUT	ASTM A194-B8
YOKE BUSH	BRONZE

SIZE	INCH	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
	mm	15	20	25	40	50	65	80	100	125	150	200	250	300
L END TO END		108	117	127	165	203	216	241	292	356	406	495	622	698
H HEIGHT		185	195	205	240	250	270	290	350	410	520	570	670	736
D HANDLE		90	90	100	140	160	180	200	225	250	300	350	400	500

CHECK VALVE ANSI CLASS 150

V-WCF TYPE

SIZE: 1/2" ~ 12"

SWING CHECK VALVE, FLANGED END. 150 LBS STAINLESS STEEL AND

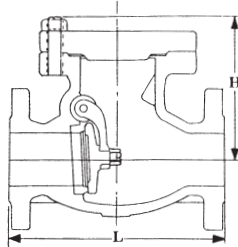


APPLICABLE CLASS 150 STANDARDS:

Steel Valves, ANSI B16.34
Face to Face, ANSI B16.10
End Flanges, ANSI B16.5

TEST PRESSURE:

Shell (by Water), 450psig
Seat (by Water), 315psig
(by Air), 60-100psig



DESIGN DESCRIPTION:

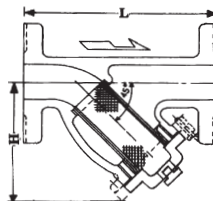
Bolted Bonnet
For Horizontal or Vertical Lines
Swing Type
Renewable Seat Ring
Flanged Ends

PARTS NUMBER	MATERIALS
BODY	ASTM-A351-CF8M
COVER	ASTM-A351-CF8M
DISC	ASTM-A351 -CF8M
DISC NUT	AISI 316
SEAT RING	
COVER BOLT/NUT	S.S.304
ARM	ASTM-A351-CF8M
GASKET	
PLUG	AISI 316

SIZE	INCH mm	1/2	Cv	1	1 1/2	2	2 1/2	3	4	5	6	8	10	12
		15	20	25	40	50	65	80	100	125	150	200	250	300
L END TO END		112	125	135	165	203	216	241	292	330	356	495	622	699
H HEIGHT		70	70	75	95	110	120	120	160	170	185	250	340	376

Y-TYPE STRAINER ANSI CLASS 150 STRAINER FULL PORT FLANGED END CAST STAINLESS STEEL

SIZE: 1/2" ~ 12"



ANSI B16.34

Face to Face, ANSI B16.10
End Flanges, ANSI B16.5
Various Meshes Available

Test Pressure

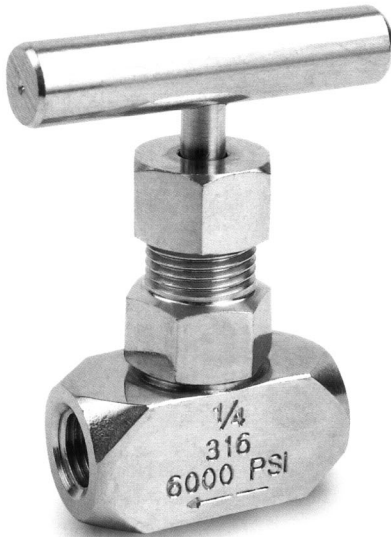
Shell (By Hydraulic) 450psi
Seat (By Hydraulic) 315 psi
Seat (By Hydraulic) 60-100 psi

NO	PARTS NAME	SUS 316	SUS 304
1	BODY	A351-CF8M	A351-CF8
2	COVER	A351-CF8M	A351-CF8
3	GASKET	ASBESTOS	ASBESTOS
4	SCREEN	AISI 316	AISI 304
5	BOLT & NUT	AISI 304	AISI 304
6	DRAIN PLUG	AISI 316	AISI 304

SIZE	INCH mm	1/2"	1/2"	1"	1 1/2"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
		15	20	25	32	40	50	65	80	100	125	150	200	250	300
D		89	98	108	117	127	152	178	190	229	254	279	343	406	483
L		160	160	190	210	220	250	300	320	380	480	550	600	760	870
H		100	100	110	140	140	170	190	210	260	310	380	450	550	690

VT-ND NEEDLE VALVE S.S.316/6000 LBS

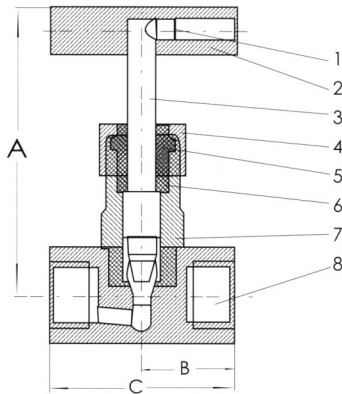
SIZE: 1/8"~1"



- ▲Investment Casting
- ▲Screwed-In Bonnet
- ▲Rising Stem
- ▲T Handle Operation
- ▲Conneting Threads:
ANSI B2.1
BS21
DIN
- ▲Working Pressure:6000psi

MATERIAL

NO	PARTS NAME	SPECIFCATION	Q,TY
1	SET SCREW	SS304	1
2	HANDLE	SS410	1
3	STEM	SS316	1
4	GLAND NUT	SS304	1
5	GLAND UNT	SS304	1
6	PACKING	TEFLON	1SET
7	BONNET	ASTM-A351-CF8M	1
8	BODY	ASTM-A351-CF8M	1



DIMENSIONS(mm)

SIZE	A	B	C
1/8"	75	29	58
1/4"	75	29	58
3/8"	75	29	58
1/2"	87	32.5	65
3/4"	90	35	70
1"	103	40	80

RAM-BALL BUTTERFLY VALVES

***NEW!* RESISTALOY NOW OFFERS A RANGE OF
WAFER TYPE BUTTERFLY VALVES WITH 316
STAINLESS STEM & DISC AND WITH EPDM SEATS**

**THESE VALVES ARE AVAILABLE IN SIZES FROM 1.5"
TO 8" FROM STOCK AT GREAT PRICES!**



FEATURES:

WAFER AND LUG TYPE BODY.

CAST IRON BODY EXTENDED NECK.

CONFORMS TO MSS SP-67, SP25, AP1-609.

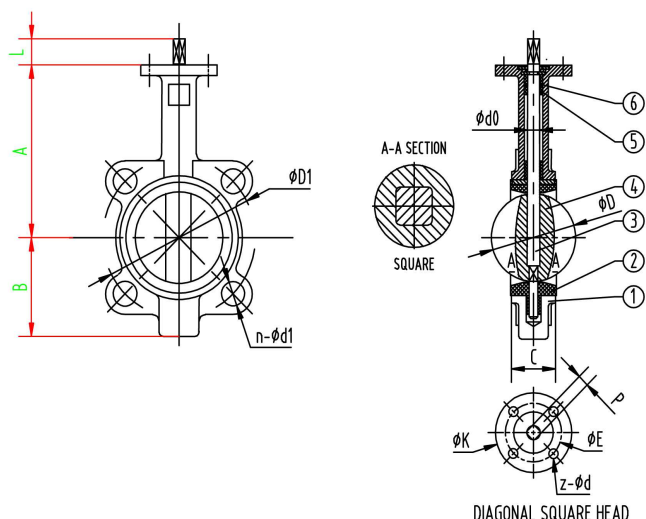
MAXIMUM PRESSURE 200 PSI.

2-DIRECTIONAL FLOW PATTERN.

EPDM SEATS STANDARD.

Concentric Butterfly Valve

WAFER TYPE



STANDARD MATERIALS OF MAIN PARTS

ITEM	PART NAME	MATERIAL
1	Body	Cast Iron, Ductile Iron, Stainless Steel
2	Seat	EPDM, NBR, Viton
3	Shaft	Stainless Steel 416, 304, 316
4	Disc	DI-NI, CF8, CF8M
5	Bushing	PTFE
6	O Ring	NBR

DIMENSIONS

SIZE		A	B	C	D	L	d0	P	UPPER FLANGE			ANSI 150		DIN PN10	
in	DN								K	E	z-d	D1	n-d1	D1	n-d1
2	50	161	80	42	52.6	32	14.3	11	90	70	4-9	120.5	4-19	125	4-18
2-1/2	65	175	89	44.7	64.5	32	14.3	11	90	70	4-9	139.5	4-19	145	4-18
3	80	181	95	45.2	78.8	32	14.3	11	90	70	4-9	152.5	4-19	160	4-18
4	100	200	114	52.1	104	32	15.77	11	90	70	4-9	190.5	8-19	180	8-18
5	125	213	127	54.4	123.3	32	18.92	14	90	70	4-9	216	8-22	210	8-18
6	150	226	139	55.8	155.6	32	18.92	14	90	70	4-9	241.5	8-22	240	8-23
8	200	260	175	60.6	202.5	45	22.1	17	125	102	4-12	298.5	8-22	295	8-23
10	250	292	203	65.6	250.5	45	28.45	22	125	102	4-12	362	12-25	350	12-23
12	300	337	242	76.9	301.6	45	31.6	22	140	102	4-12	432	12-25	400	12-23
14	350	368	267	76.5	333.3	45	31.6	22	140	102	4-12	476	12-29	460	16-23
16	400	400	309	86.5	389.6	51.2	38	24	197	140	4-18	540	16-29	515	16-27
18	450	422	328	105.6	440.5	51.2	42.86	27	197	140	4-18	578	16-32	565	20-27
20	500	480	361	131.8	491.6	64.2	45.72	36	197	140	4-18	635	20-32	620	20-27
24	600	562	459	152	592.5	70.2	53.98	36	276	165	4-23	749.5	20-35	725	20-30