THERMOFLEX
SINCE 1982

1-888-352-3414
www.thermoflex.ca

THERMOFLEX specializes in creating metal valve and fitting assemblies that are made-to-measure and made-to-last.

Whether you require **ball, gate, and globe valves** in stainless steel, brass, bronze, cast iron, cast steel or alloys; or if you require **expansion joints, pump connectors and flexible metal hoses** in varying configurations and materials – **we have the expertise**.

And if you are looking for something more off-the-shelf, we have a **complete line of standard valves and fittings** to complement our custom assemblies.

This is why our customer list includes some of the biggest names in industry:

Cascades, Delta Star, Hitachi, Infasco, Mitsubishi Power, Reinhausen, Siavaco, Siemens Power and Via Rail.

We deliver **quality products** and provide **exceptional service** whether it's one-off or low volume orders or commercial level runs for projects across multiple facilities.

Our custom valve assemblies, pump connectors, flexible hoses and expansion joints are **manufactured with pride in Canada** and **rigorously tested** prior to shipping.

We work in: U.S. Standard, metric and Japanese Industrial Standard.



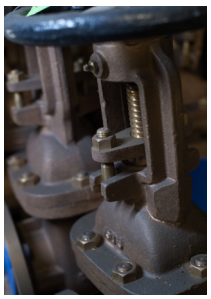




TABLE OF CONTENTS

SECTION A
Ball Valves - Stainless Steel

SECTION B
Ball Valves - Brass

SECTION C
Gate Valves - Stainless Steel

SECTION D
Gate Valves - Brass

SECTION E
Globe Valves - Stainless Steel

SECTION F
Globe Valves - Brass

SECTION G
Expansion Joints

SECTION H
Flexible Hoses

This catalogue provides only a partial list of our key products; so, if you don't see what you need, call us.

You'll find that we are as flexible as our line of products.

Global shipping.
ISO 9001:2015 certified.

THERMOFLEX INC.
1205 1re Avenue,
Sainte-Catherine, Québec,
J5C 1C5, Canada

1-888-352-3414 514-367-1444
sales@thermoflex.ca
thermoflex.ca

SYSTEM CERTIFICATION ISO 9001 SGS

THERMOFLEX
SINCE 1982

Section A

BALL VALVES
Stainless Steel

THERMOFLEX
SINCE 1982

1-888-352-3414
www.thermoflex.ca

BALL VALVE: 2-PIECE THREADED
Stainless Steel

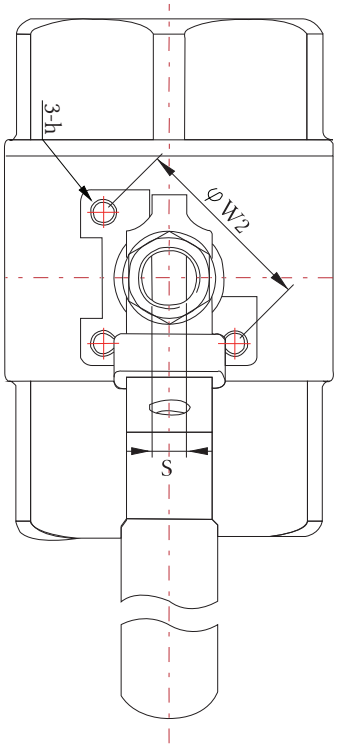
FEATURES

- Full port 1000WOG ball valve
- Steam rating: 150PSI WSP
- Blow-out-proof stem
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 1000PSI
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator

OPTION

- ¼" – 1" working pressure 2000PSI (standard port)
- 1¼" – 2" working pressure 1500PSI (standard port)



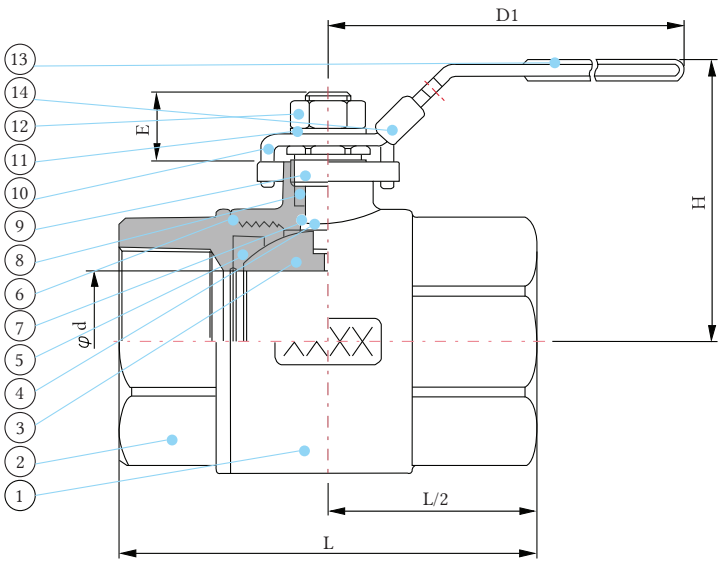


BALL VALVE: 2-PIECE THREADED
Stainless Steel

DIMENSIONS											
SIZE	d	E	L	L2	H	S	D1	W2	h	CV	WT
¼"	11	15.5	57.8	28.8	57.2	5.45	103	-	-	16	0.57
⅜"	12.5	15.5	57.8	28.8	57.2	5.45	103	-	-	16	0.53
½"	15	14.5	61.7	30.7	59.1	5.45	103	-	-	26	0.66
¾"	20	21	70.1	35	62.6	5.45	103	-	-	55	0.93
1"	25	19.5	81.3	40.2	70.7	6.2	127	-	-	110	1.54
1 ¼"	32	27.9	96	47.2	76.2	6.2	127	-	-	180	2.42
1 ½"	38	27.5	112.5	55.6	89.1	9.4	153	-	-	270	4.10
2"	50.8	26.7	126	62.4	98.2	9.4	193	-	-	500	6.28
2 ½"	65	26	168.5	85	110.6	9.4	193	70	M8	800	13.77
3"	80	38	191.4	95.9	124	12	279	102	M10	1150	22.95
4"	100	48	216.5	108.3	168.5	16	335	102	M10	2120	37.89

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	ASTM A351 CF8M	1
2	CAP	ASTM A351 CF8M	1
3	BALL	ASTM A351 CF8M	1
4	STEM	ASTM A276 316SS	1
5	SEAT	RTFE (+15% GF)	2
6	GASKET	PTFE	1
7	THRUST WASHER	PTFE	1
8	PACKING	PTFE	1
9	GLAND	304SS	1
10	HANDLE	304SS	1
11	SPRING WASHER	304SS	1
12	HANDLE NUT	304SS	1
13	HANDLE SLEEVE	PLASTIC	1
14	LOCKING DEVICE	304SS	1



THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

BALL VALVE: 2-PIECE THREADED X FLANGED (B16.5)

Stainless Steel

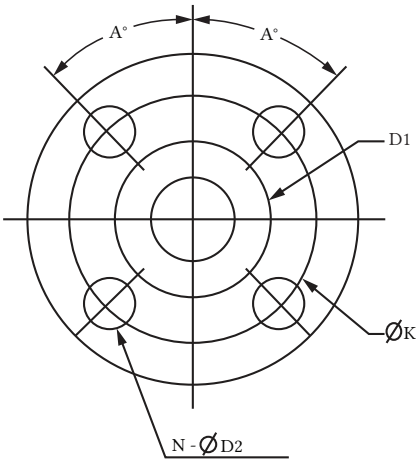
FEATURES

- Full port 1000WOG* ball valve
- Steam rating: 150PSI* WSP
- Blow-out-proof stem
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Flange: 316SS Class 150 ANSI B16.5
- Square-head pipe plug: brass
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 150PSI*
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator



OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS



Holes applied evenly, symmetrically to the axis.

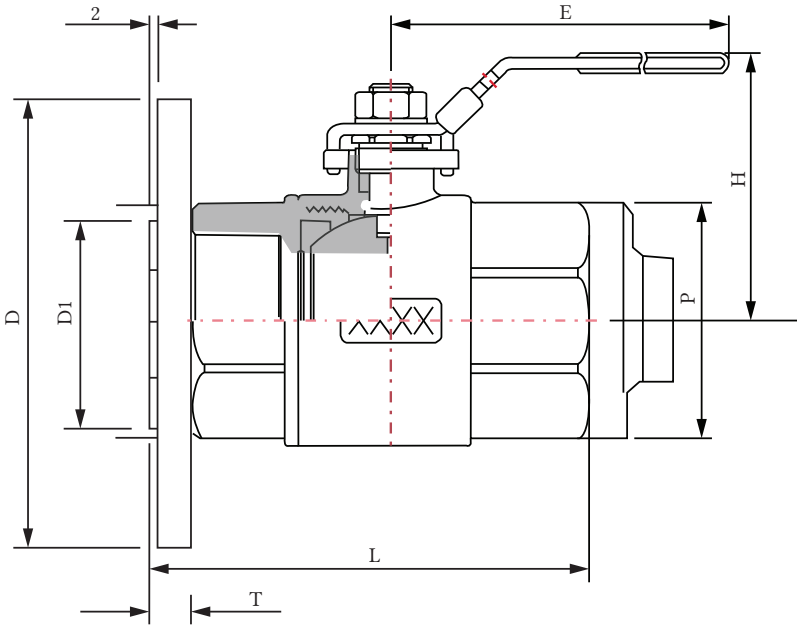
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

BALL VALVE: 2-PIECE THREADED X FLANGED (B16.5)
Stainless Steel

DIMENSIONS											
SIZE	L+/-5	D	K	D1	H+/-5	N	D2	P	E+/-5	T	a
½"	77.5	89	60.4	35	55	4	16	NPT ½"	100	11.2	45
¾"	86	98.5	70	42.9	65	4	16	NPT ¾"	100	12.7	45
1"	99	108	79	50.8	70	4	16	NPT 1"	125	14.2	45
1 ½"	135	127	99	73.1	90	4	16	NPT 1 ½"	150	17.2	45
2"	151	152.4	120.6	92	100	4	19	NPT 2"	195	19	45
3"	221	190.5	152.5	127	125	4	19	NPT 3"	280	23.9	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
CAP	ASTM A351 CF8M	1
BALL	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
SEAT	RTFE (+15% GF)	2
GASKET	PTFE	1
THRUST WASHER	PTFE	1
PACKING	PTFE	1
GLAND	304SS	1
HANDLE	304SS	1
SPRING WASHER	304SS	1
HANDLE NUT	304SS	1
HANDLE SLEEVE	PLASTIC	1
LOCKING DEVICE	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1



THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

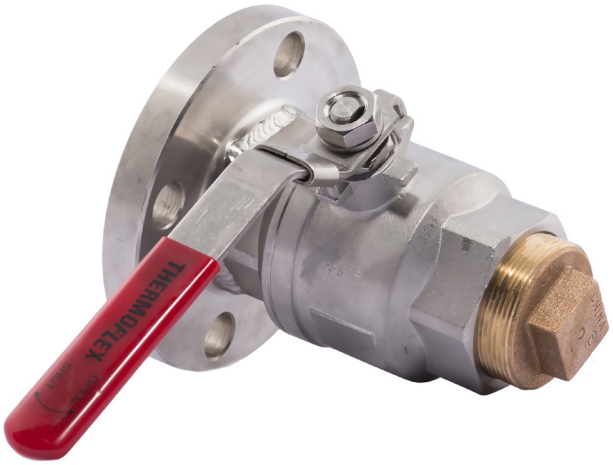
1-888-352-3414
www.thermoflex.ca

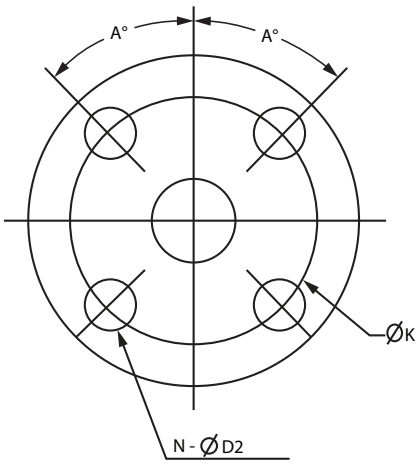
BALL VALVE: 2-PIECE THREADED X FLANGED (B16.24)

Stainless Steel

FEATURES

- Full port 1000WOG* ball valve
- Steam rating: 150PSI* WSP
- Blow-out-proof stem
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Flange: 316SS Class 150 ANSI B16.24
- Square-head pipe plug: brass
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 150PSI*
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator





Holes applied evenly, symmetrically to the axis.

OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS

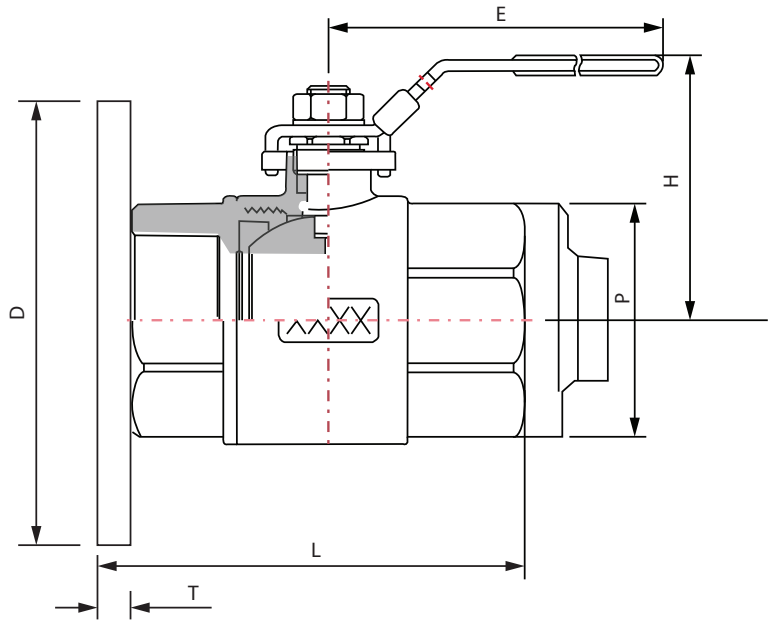
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

BALL VALVE: 2-PIECE THREADED X FLANGED (B16.24)
Stainless Steel

DIMENSIONS										
SIZE	L+/-5	D	K	H+/-5	N	D2	P	E+/-5	T MIN	a
½"	74.5	89	60.4	55	4	16	NPT ½"	100	8	45
¾"	82	98.5	70	65	4	16	NPT ¾"	100	8.75	45
1"	94	108	79	70	4	16	NPT 1"	125	9.5	45
1 ½"	129	127	99	90	4	16	NPT 1 ½"	150	11	45
2"	145	152.4	120.6	100	4	19	NPT 2"	195	12.75	45
3"	213	190.5	152.5	125	4	19	NPT 3"	280	16	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
CAP	ASTM A351 CF8M	1
BALL	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
SEAT	RTFE (+15% GF)	2
GASKET	PTFE	1
THRUST WASHER	PTFE	1
PACKING	PTFE	1
GLAND	304SS	1
HANDLE	304SS	1
SPRING WASHER	304SS	1
HANDLE NUT	304SS	1
HANDLE SLEEVE	PLASTIC	1
LOCKING DEVICE	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1



THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

BALL VALVE: 2-PIECE THREADED X FLANGED (B16.5) SAMPLER

Stainless Steel

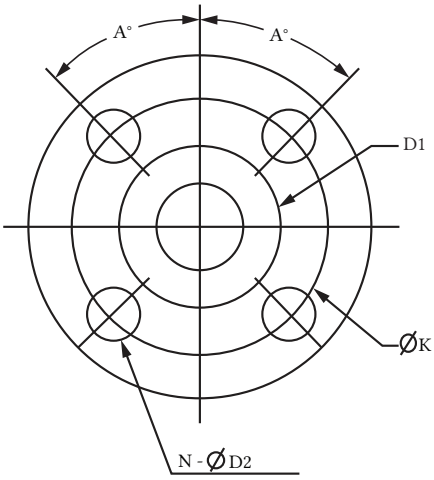
FEATURES

- Full port 1000WOG* ball valve
- Steam rating: 150PSI* WSP
- Blow-out-proof stem
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Flange: 316SS Class 150 ANSI B16.5
- Square-head pipe plug: brass
- Sampler: 3/8” 304SS
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 150PSI*
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator



OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS



Holes applied evenly, symmetrically to the axis.

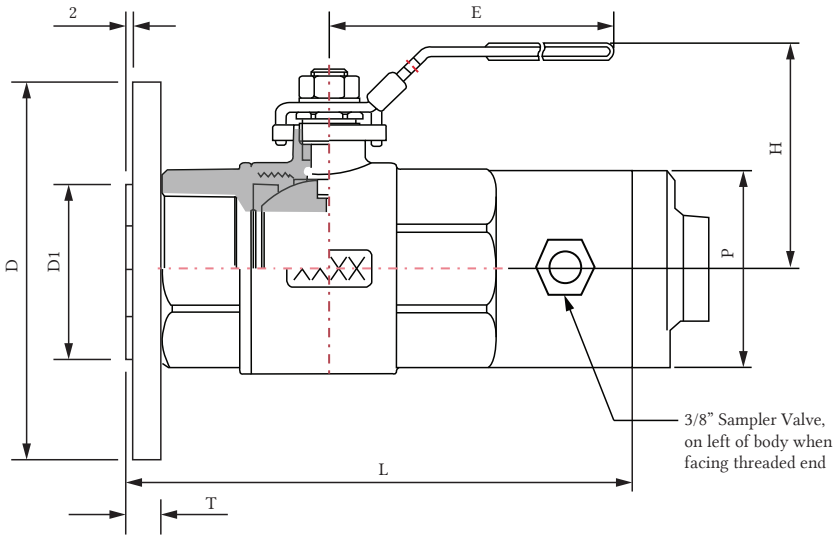
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

BALL VALVE: 2-PIECE THREADED X FLANGED (B16.5) SAMPLER
Stainless Steel

DIMENSIONS											
SIZE	L+/-5	D	K	D1	H+/-5	N	D2	P	E+/-5	T	a
1”	143	108	79	50.8	70	4	16	NPT 1”	125	14.2	45
1 ½”	184	127	99	73.1	90	4	16	NPT 1 ½”	150	17.2	45
2”	208	152.4	120.6	92	100	4	19	NPT 2”	195	19	45
3”	294	190.5	152.5	127	125	4	19	NPT 3”	280	23.9	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
CAP	ASTM A351 CF8M	1
BALL	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
SEAT	RTFE (+15% GF)	2
GASKET	PTFE	1
THRUST WASHER	PTFE	1
PACKING	PTFE	1
GLAND	304SS	1
HANDLE	304SS	1
SPRING WASHER	304SS	1
HANDLE NUT	304SS	1
HANDLE SLEEVE	PLASTIC	1
LOCKING DEVICE	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1
SAMPLER	304SS	1
EXTENSION	316SS	1



THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

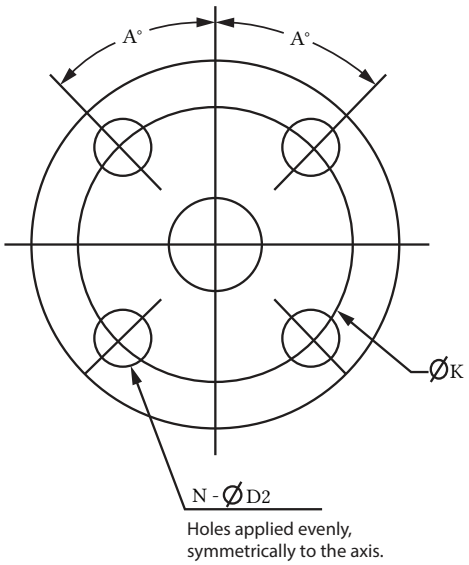
BALL VALVE: 2-PIECE THREADED X FLANGED (B16.24) SAMPLER

Stainless Steel

FEATURES

- Full port 1000WOG* ball valve
- Steam rating: 150PSI* WSP
- Blow-out-proof stem
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Flange: 316SS Class 150 ANSI B16.24
- Square-head pipe plug: brass
- Sampler: 3/8” 304SS
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 150PSI*
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator





OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS

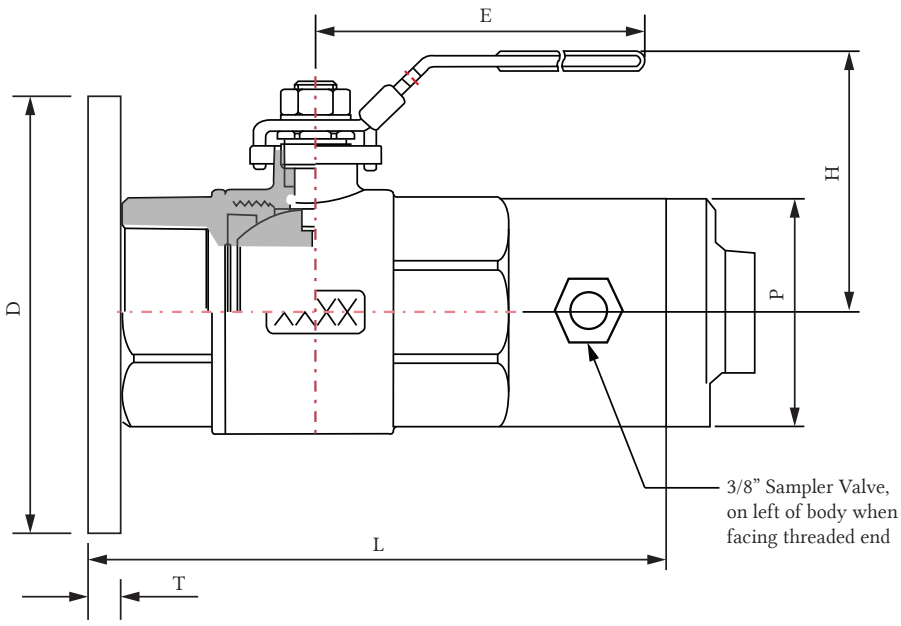
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

BALL VALVE: 2-PIECE THREADED X FLANGED (B16.24) SAMPLER
Stainless Steel

DIMENSIONS										
SIZE	L+/-5	D	K	H+/-5	N	D2	P	E+/-5	T MIN	a
1"	138	108	79	70	4	16	NPT 1"	125	9.5	45
1 ½"	178	127	99	90	4	16	NPT 1 ½"	150	11	45
2"	202	152.4	120.6	100	4	19	NPT 2"	195	12.75	45
3"	286	190.5	152.5	125	4	19	NPT 3"	280	16	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
CAP	ASTM A351 CF8M	1
BALL	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
SEAT	RTFE (+15% GF)	2
GASKET	PTFE	1
THRUST WASHER	PTFE	1
PACKING	PTFE	1
GLAND	304SS	1
HANDLE	304SS	1
SPRING WASHER	304SS	1
HANDLE NUT	304SS	1
HANDLE SLEEVE	PLASTIC	1
LOCKING DEVICE	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1
SAMPLER	304SS	1
EXTENSION	316SS	1



THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

BALL VALVE: 3-PIECE THREADED
Stainless Steel

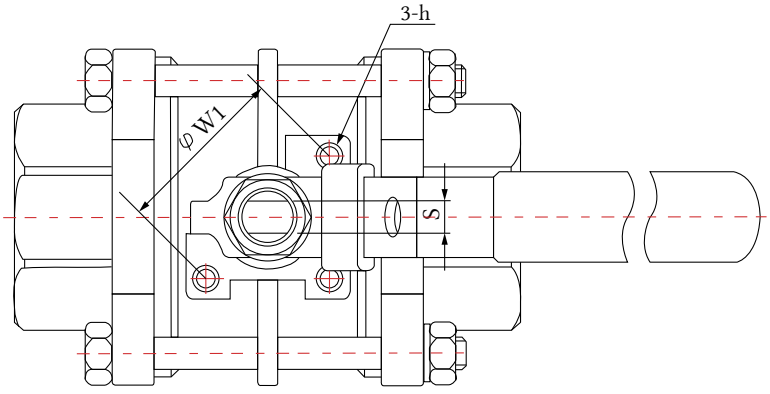
FEATURES

- Full port 1000WOG ball valve
- Steam rating: 150PSI WSP
- Blow-out-proof stem
- ISO 5211 actuator mounting pad
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 1000PSI
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator



OPTION

- Socket weld ends
- Butt weld ends

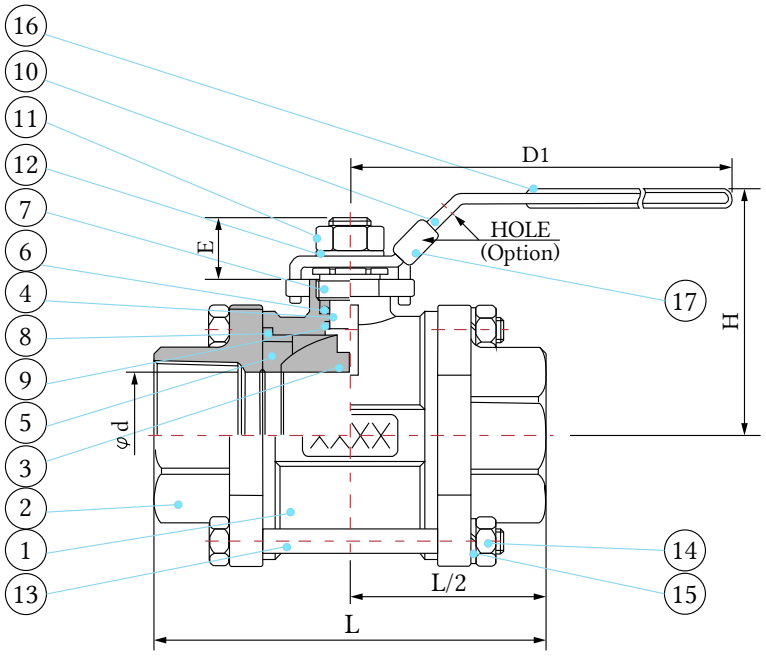


BALL VALVE: 3-PIECE THREADED
Stainless Steel

DIMENSIONS														
SIZE	A	B	C	D	E	d	L	D1	H	S	W1	h	Cv	WT
¼"	10	18.1	22.8	14.1	15.5	11	65	103	54	5.45	36	M5	16	0.48
⅜"	10	18.1	22.8	17.6	15.5	12.5	65	103	54	5.45	36	M5	16	0.46
½"	10	22.5	26.8	21.7	15.5	15	71	103	57	5.45	36	M5	26	0.58
¾"	13	28.3	34.6	27.1	19.5	20	85	127	67.1	6.2	36	M5	55	0.92
1"	13	35.0	39.5	33.8	19.5	25.4	95	127	70	6.2	36	M5	110	1.19
1 ¼"	13	44.1	49.0	42.6	25.5	32	111	153	91.1	9.4	50	M6	180	2.07
1 ½"	13	50	55.8	48.7	26.5	40	121	153	95.1	9.4	50	M6	270	2.75
2"	16	60.5	68	61.1	25.5	50.8	140	193	102	9.4	50	M6	500	4.07
2 ½"	16	77.8	88	73.8	39.5	65	173	279	120.8	12	70	M8	800	8.12
3"	16	89.1	105	89.8	37.5	80	192	279	129	12	102	M10	1150	12.71
4"	19	114.3	129.5	115.5	49.5	100	225	335	173.7	16	102	M10	2120	21.12

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	ASTM A351 CF8M	1
2	CAP	ASTM A351 CF8M	2
3	BALL	ASTM A351 CF8M	1
4	STEM	ASTM A276 316SS	1
5	SEAT	RTFE (+15% GF)	2
6	PACKING	PTFE	1
7	GLAND	304SS	1
8	END SEALS	PTFE	2
9	THRUST WASHER	PTFE	1
10	HANDLE	304SS	1
11	HANDLE NUT	304SS	1
12	SPRING WASHER	304SS	1
13	BOLTS	ASTM A193 B8	4-6
14	BOLT NUTS	ASTM A194 8	4-6
15	BOLT WASHERS	304SS	4-6
16	HANDLE SLEEVE	PLASTIC	1
17	LOCKING DEVICE	304SS	1



THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

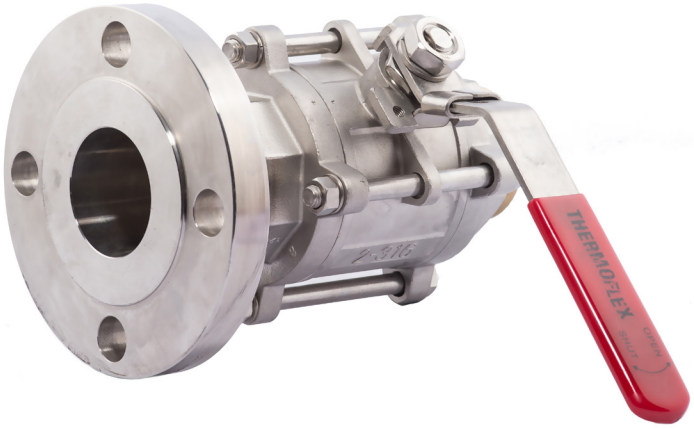
1-888-352-3414
www.thermoflex.ca

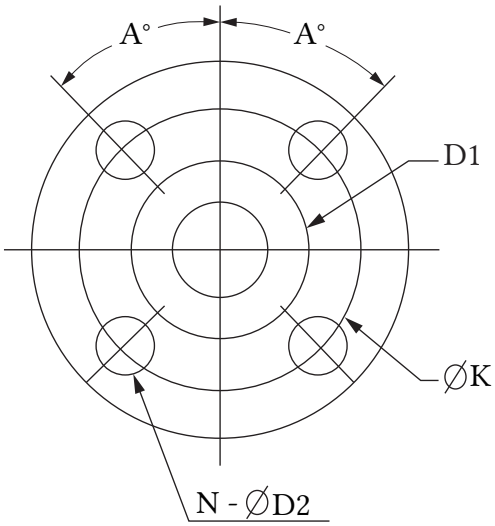
BALL VALVE: 3-PIECE THREADED X FLANGED (B16.5)

Stainless Steel

FEATURES

- Full port 1000WOG* ball valve
- Steam rating: 150PSI* WSP
- Blow-out-proof stem
- ISO 5211 actuator mounting pad
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Flange: 316SS Class 150 ANSI B16.5
- Square-head pipe plug: brass
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 150PSI*
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator





Holes applied evenly, symmetrically to the axis.

OPTION

- Socket weld X flanged
- Butt weld X flanged
- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS

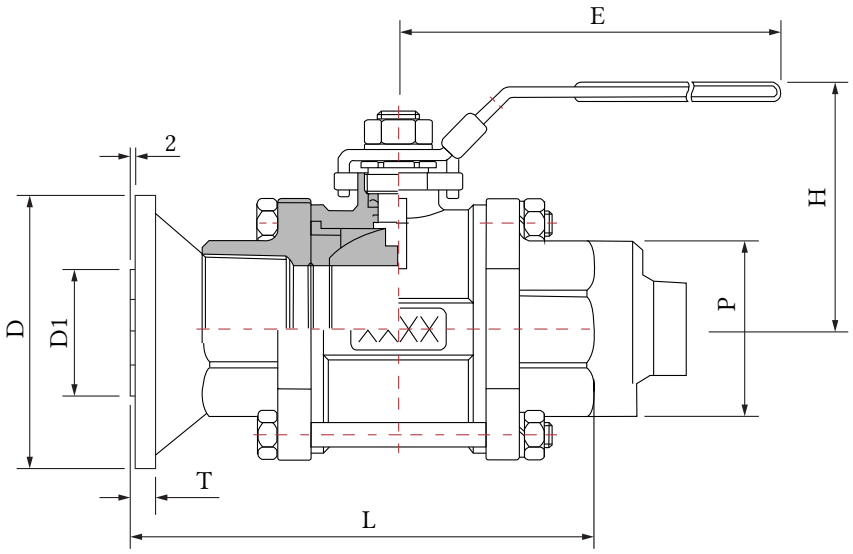
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

BALL VALVE: 3-PIECE THREADED X FLANGED (B16.5)
Stainless Steel

DIMENSIONS											
SIZE	L+/-5	D	K	D1	H+/-5	N	D2	P	E+/-5	T	a
½"	113	89	60.4	35	55	4	16	NPT ½"	100	11.2	45
¾"	128	98.5	70	42.9	65	4	16	NPT ¾"	125	12.7	45
1"	140	108	79	50.8	70	4	16	NPT 1"	125	14.2	45
1 ½"	169.5	127	99	73.2	95	4	16	NPT 1 ½"	150	17.2	45
2"	192	152.4	120.6	92	100	4	19	NPT 2"	195	19	45
3"	246.5	190.5	152.5	127	135	4	19	NPT 3"	275	23.9	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
CAP	ASTM A351 CF8M	2
BALL	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
SEAT	RTFE (+15% GF)	2
PACKING	PTFE	1
GLAND	304SS	1
END SEALS	PTFE	2
THRUST WASHER	PTFE	1
HANDLE	304SS	1
HANDLE NUT	304SS	1
SPRING WASHER	304SS	1
BOLTS	ASTM A193 B8	4-6
BOLT NUTS	ASTM A194 8	4-6
BOLT WASHERS	304SS	4-6
HANDLE SLEEVE	PLASTIC	1
LOCKING DEVICE	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1



THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

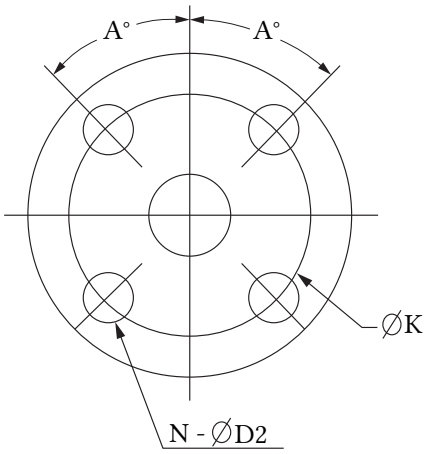
BALL VALVE: 3-PIECE THREADED X FLANGED (B16.24)

Stainless Steel



FEATURES

- Full port 1000WOG* ball valve
- Steam rating: 150PSI* WSP
- Blow-out-proof stem
- ISO 5211 actuator mounting pad
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Flange: 316SS Class 150 ANSI B16.24
- Square-head pipe plug: brass
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 150PSI*
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator



Holes applied evenly, symmetrically to the axis.

OPTION

- Socket weld X flanged
- Butt weld X flanged
- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS

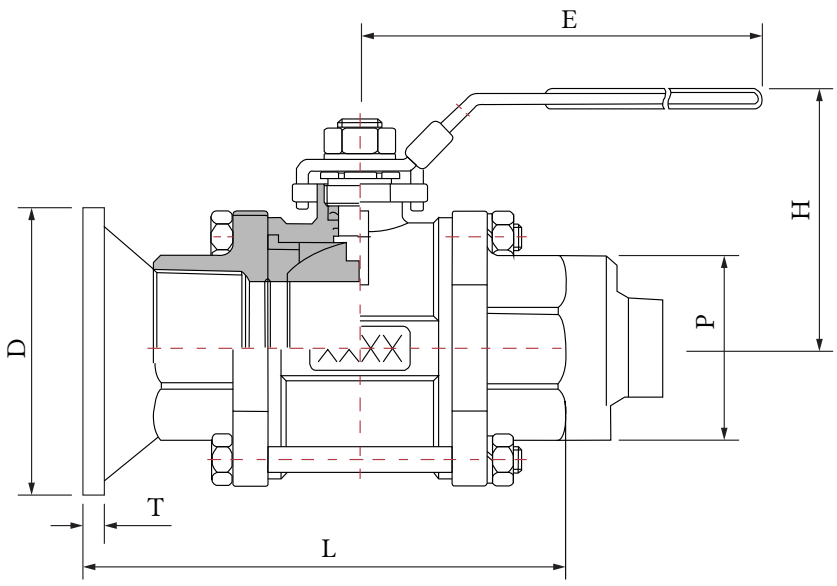
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

BALL VALVE: 3-PIECE THREADED X FLANGED (B16.24)
Stainless Steel

DIMENSIONS										
SIZE	L+/-5	D	K	H+/-5	N	D2	P	E+/-5	T MIN	a
½"	110	89	60.4	55	4	16	NPT ½"	100	8	45
¾"	124	98.5	70	65	4	16	NPT ¾"	125	8.75	45
1"	135	108	79	70	4	16	NPT 1"	125	9.5	45
1 ½"	163.5	127	99	95	4	16	NPT 1 ½"	150	11	45
2"	186	152.4	120.6	100	4	19	NPT 2"	195	12.75	45
3"	238.5	190.5	152.5	135	4	19	NPT 3"	275	16	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
CAP	ASTM A351 CF8M	2
BALL	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
SEAT	RTFE (+15% GF)	2
PACKING	PTFE	1
GLAND	304SS	1
END SEALS	PTFE	2
THRUST WASHER	PTFE	1
HANDLE	304SS	1
HANDLE NUT	304SS	1
SPRING WASHER	304SS	1
BOLTS	ASTM A193 B8	4-6
BOLT NUTS	ASTM A194 8	4-6
BOLT WASHERS	304SS	4-6
HANDLE SLEEVE	PLASTIC	1
LOCKING DEVICE	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1



THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

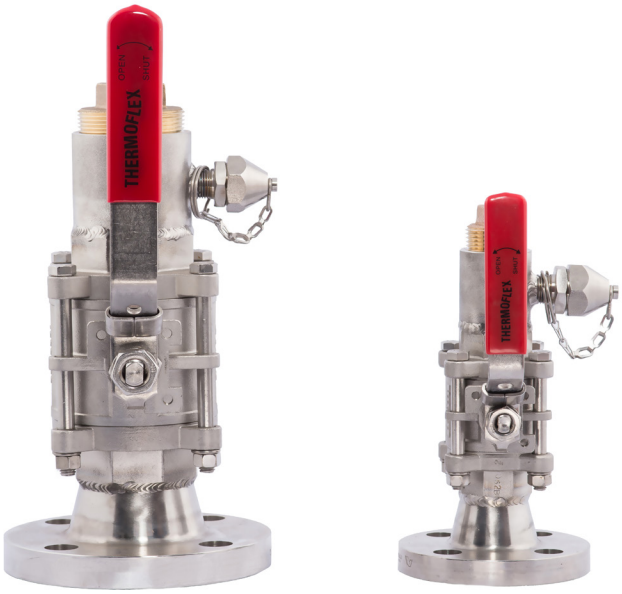
DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

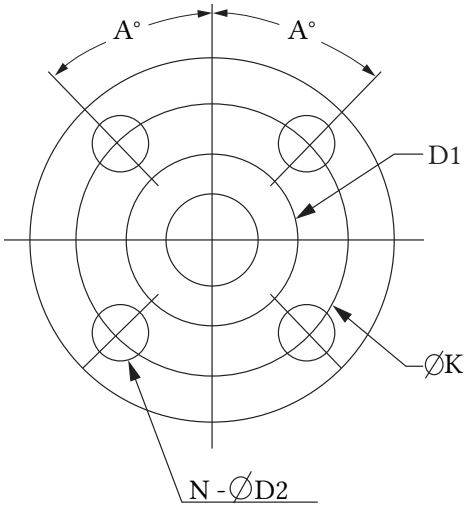
BALL VALVE: 3-PIECE THREADED X FLANGED (B16.5) SAMPLER

Stainless Steel

FEATURES

- Full port 1000WOG* ball valve
- Steam rating: 150PSI* WSP
- Blow-out-proof stem
- ISO 5211 actuator mounting pad
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Flange: 316SS Class 150 ANSI B16.5
- Square-head pipe plug: brass
- Sampler: 3/8” 304SS
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 150PSI*
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator





Holes applied evenly, symmetrically to the axis.

OPTION

- Socket weld X flanged
- Butt weld X flanged
- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS

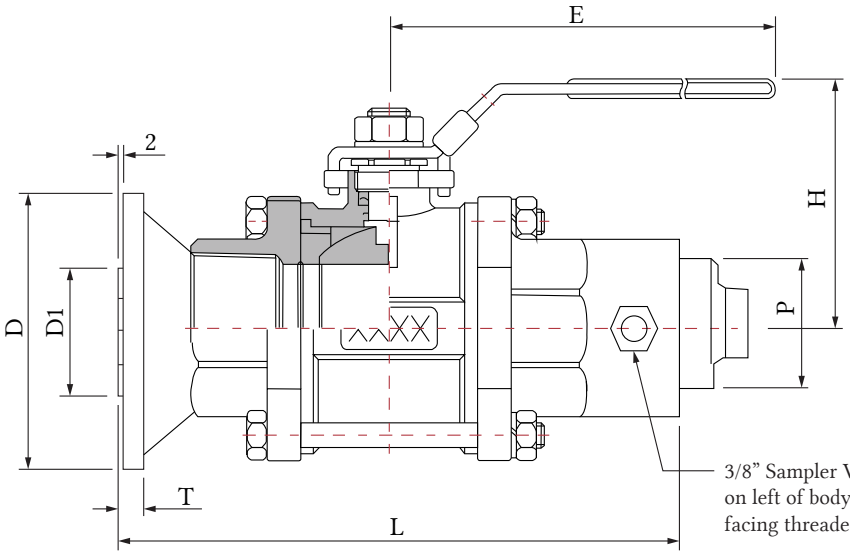
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

BALL VALVE: 3-PIECE THREADED X FLANGED (B16.5) SAMPLER
Stainless Steel

DIMENSIONS											
SIZE	L+/-5	D	K	D1	H+/-5	N	D2	P	E+/-5	T	a
1”	184	108	79	50.8	70	4	16	NPT 1”	125	14.2	45
1 ½”	218.5	127	99	73.2	95	4	16	NPT 1 ½”	150	17.2	45
2”	249	152.4	120.6	92	100	4	19	NPT 2”	195	19	45
3”	319.5	190.5	152.5	127	135	4	19	NPT 3”	275	23.9	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
CAP	ASTM A351 CF8M	2
BALL	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
SEAT	RTFE (+15% GF)	2
PACKING	PTFE	1
GLAND	304SS	1
END SEALS	PTFE	2
THRUST WASHER	PTFE	1
HANDLE	304SS	1
HANDLE NUT	304SS	1
SPRING WASHER	304SS	1
BOLTS	ASTM A193 B8	4-6
BOLT NUTS	ASTM A194 8	4-6
BOLT WASHERS	304SS	4-6
HANDLE SLEEVE	PLASTIC	1
LOCKING DEVICE	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1
SAMPLER	304SS	1
EXTENSION	316SS	1



THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

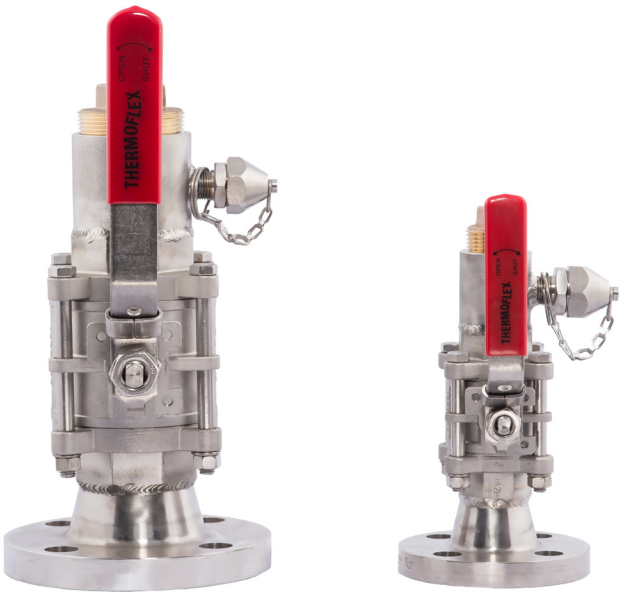
1-888-352-3414
www.thermoflex.ca

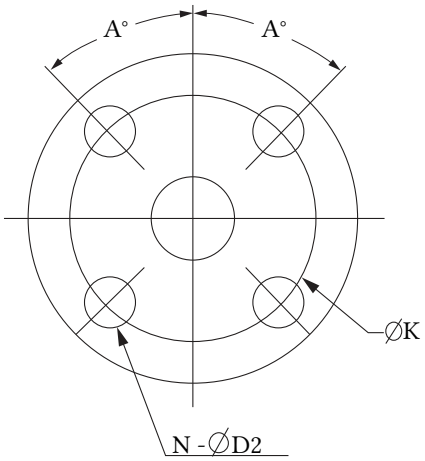
BALL VALVE: 3-PIECE THREADED X FLANGED (B16.24) SAMPLER

Stainless Steel

FEATURES

- Full port 1000WOG* ball valve
- Steam rating: 150PSI* WSP
- Blow-out-proof stem
- ISO 5211 actuator mounting pad
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Flange: 316SS Class 150 ANSI B16.24
- Square-head pipe plug: brass
- Sampler: 3/8” 304SS
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 150PSI*
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator





OPTION

- Socket weld X flanged
- Butt weld X flanged
- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS

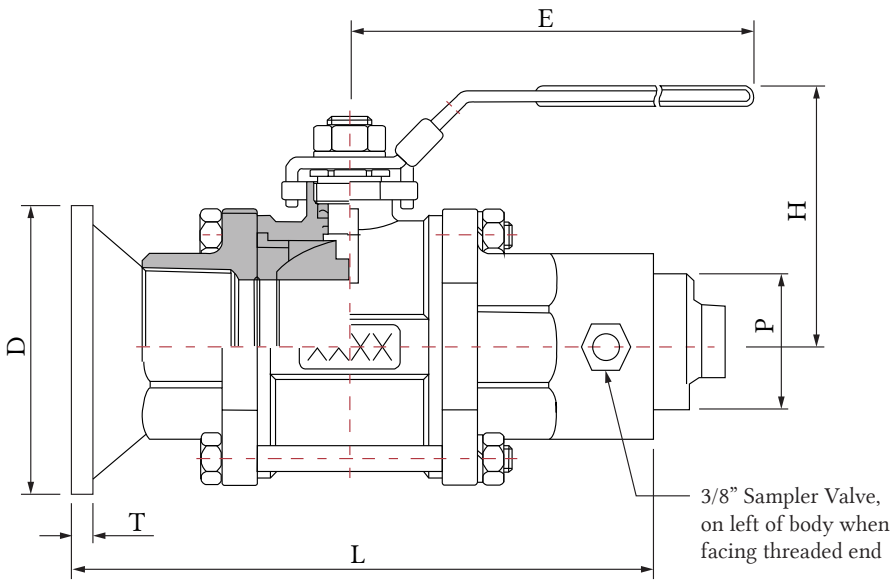
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

BALL VALVE: 3-PIECE THREADED X FLANGED (B16.24) SAMPLER
Stainless Steel

DIMENSIONS										
SIZE	L+/-5	D	K	H+/-5	N	D2	P	E+/-5	T MIN	a
1"	179	108	79	70	4	16	NPT 1"	125	9.5	45
1 ½"	212.5	127	99	95	4	16	NPT 1 ½"	150	11	45
2"	243	152.4	120.6	100	4	19	NPT 2"	195	12.75	45
3"	311.5	190.5	152.5	135	4	19	NPT 3"	275	16	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
CAP	ASTM A351 CF8M	2
BALL	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
SEAT	RTFE (+15% GF)	2
PACKING	PTFE	1
GLAND	304SS	1
END SEALS	PTFE	2
THRUST WASHER	PTFE	1
HANDLE	304SS	1
HANDLE NUT	304SS	1
SPRING WASHER	304SS	1
BOLTS	ASTM A193 B8	4-6
BOLT NUTS	ASTM A194 8	4-6
BOLT WASHERS	304SS	4-6
HANDLE SLEEVE	PLASTIC	1
LOCKING DEVICE	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1
SAMPLER	304SS	1
EXTENSION	316SS	1



THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

BALL VALVE: 2-PIECE FLANGED X FLANGED – CLASS 150 (B16.5/B16.10)

Stainless Steel

FEATURES

- Full port class 150 ball valve
- Steam rating: 150PSI WSP
- Blow-out-proof stem
- ISO 5211 actuator mounting pad
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Temperature range: -58°F to 475°F (-50°C to 246°C)
- Test standard: API 598
- Face to face: ANSI B16.10
- Flange: 316SS Class 150 ANSI B16.5
- Anti-static device
- Open/close position indicator



OPTION

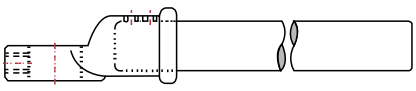
- Padlocking device
- Class 300

BALL VALVE: 2-PIECE FLANGED X FLANGED – CLASS 150 (B16.5/B16.10) - Stainless Steel

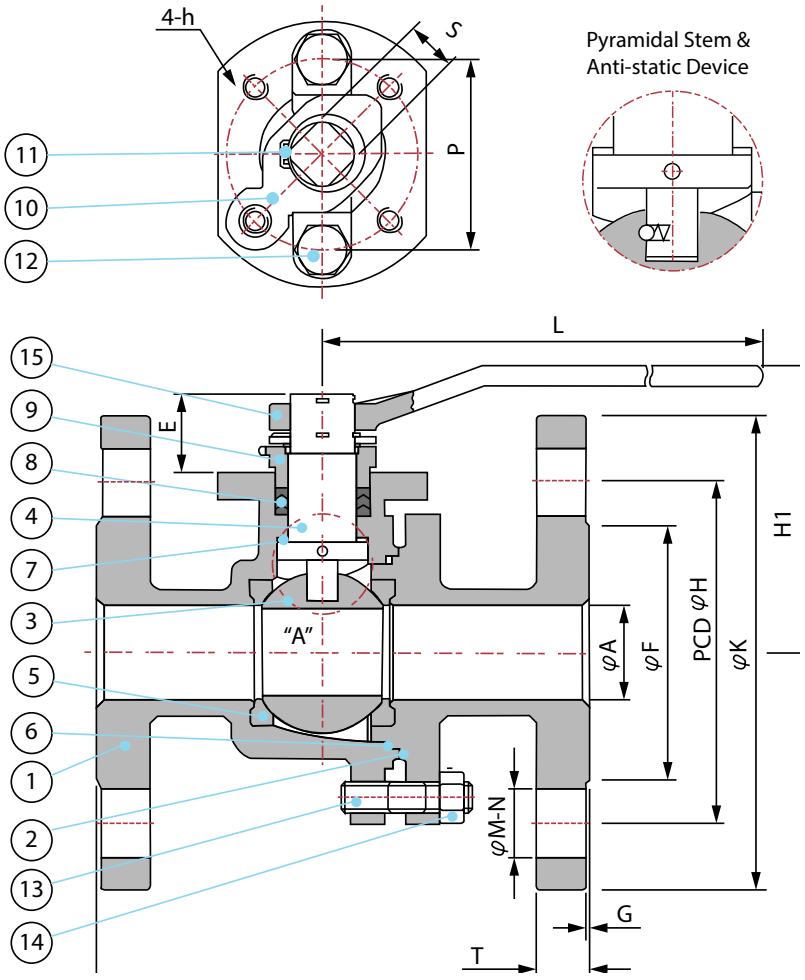
DIMENSIONS																	
SIZE	A	B	E	P	S	L	H1	h	Cv	WT	F	G	H	K	T	M	N
½"	15	107.9	25	42	11	131.5	73.8	M5	26	2	35	1.6	60.4	88.9	11.2	15.7	4
¾"	20	117.3	26	42	11	131.5	74.8	M5	55	2.5	42.9	1.6	69.8	98.5	11.2	15.7	4
1"	25	127	31.5	50	14	163	87.4	M6	110	3	50.8	1.6	79.2	107.9	11.2	15.7	4
1 ¼"	32	139.7	31.5	50	14	163	92.2	M6	180	4.5	63.5	1.6	88.9	117.3	12.7	15.7	4
1 ½"	40	165.1	42	70	17	232	121	M8	270	6	73.1	1.6	98.5	127	14.2	15.7	4
2"	50	177.8	42	70	17	232	129	M8	500	8.5	91.9	1.6	120.6	152.4	15.7	19	4
2 ½"	60	190.5	42	70	17	232	141	M8	800	13	104.6	1.6	139.7	177.8	17.5	19	4
3"	80	203.2	56	102	22	327	165.7	M10	1150	18	127	1.6	152.4	190.5	19	19	4
4"	100	228.6	56	102	22	327	180.7	M10	2120	28	157.2	1.6	190.5	228.6	23.8	19	8
6"	150	393.7	67	125	27	1072	252.8	M12	5100	75	215.9	1.6	241.3	279.4	25.4	22.3	8
8"	200	457.2	66.5	140	33	1080	297.9	M16	9400	110	269.7	1.6	298.4	342.9	28.4	22.3	8

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	ASTM A351 CF8M	1
2	CAP	ASTM A351 CF8M	1
3	BALL	ASTM A351 CF8M	1
4	STEM	ASTM A276 316SS	1
5	SEAT	RTFE	2
6	GASKET	RTFE	1
7	THRUST WASHER	RTFE	1
8	PACKING	RTFE	1
9	GLAND	ASTM A351 CF8M	1
10	STOPPER	304SS	1
11	SNAP RING	304SS	2
12	GLAND BOLT	ASTM A193 B8	2
13	STUD BOLT	ASTM A193 B8	4-12
14	SET NUT	ASTM A194 8M	4-12
15	HANDLE	304SS	1
16	LOCKING DEVICE OPTION*	304SS	1



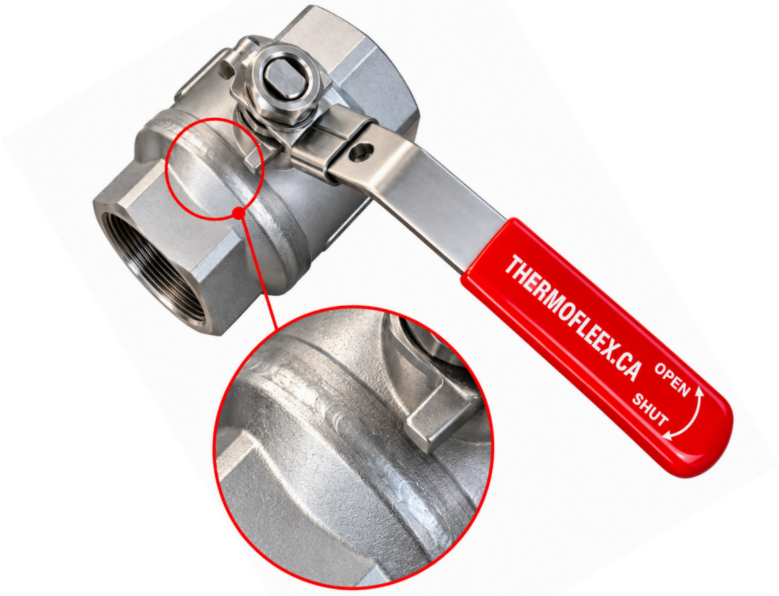
HANDLE FOR 5"- 8"



Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

BALL VALVE: 2-PIECE THREADED, SEAL WELDED - Stainless Steel

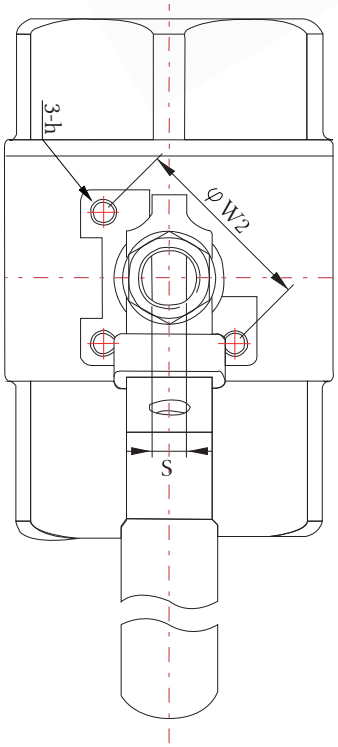


FEATURES

- Full port 1000WOG ball valve
- Steam rating: 150PSI WSP
- Blow-out-proof stem
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 1000PSI
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator
- **Threaded valve articulation seal welded**

OPTION

- ¼" – 1" working pressure 2000PSI (standard port)
- 1¼" – 2" working pressure 1500PSI (standard port)

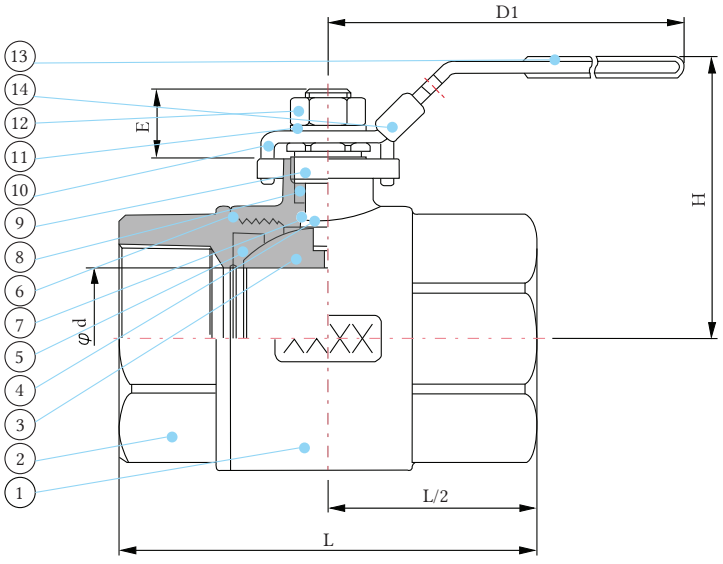


BALL VALVE: 2-PIECE THREADED, SEAL WELDED
Stainless Steel

DIMENSIONS											
SIZE	d	E	L	L2	H	S	D1	W2	h	CV	WT
¼"	11	15.5	57.8	28.8	57.2	5.45	103	-	-	16	0.57
⅜"	12.5	15.5	57.8	28.8	57.2	5.45	103	-	-	16	0.53
½"	15	14.5	61.7	30.7	59.1	5.45	103	-	-	26	0.66
¾"	20	21	70.1	35	62.6	5.45	103	-	-	55	0.93
1"	25	19.5	81.3	40.2	70.7	6.2	127	-	-	110	1.54
1 ¼"	32	27.9	96	47.2	76.2	6.2	127	-	-	180	2.42
1 ½"	38	27.5	112.5	55.6	89.1	9.4	153	-	-	270	4.10
2"	50.8	26.7	126	62.4	98.2	9.4	193	-	-	500	6.28
2 ½"	65	26	168.5	85	110.6	9.4	193	70	M8	800	13.77
3"	80	38	191.4	95.9	124	12	279	102	M10	1150	22.95
4"	100	48	216.5	108.3	168.5	16	335	102	M10	2120	37.89

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	ASTM A351 CF8M	1
2	CAP	ASTM A351 CF8M	1
3	BALL	ASTM A351 CF8M	1
4	STEM	ASTM A276 316SS	1
5	SEAT	RTFE (+15% GF)	2
6	GASKET	PTFE	1
7	THRUST WASHER	PTFE	1
8	PACKING	PTFE	1
9	GLAND	304SS	1
10	HANDLE	304SS	1
11	SPRING WASHER	304SS	1
12	HANDLE NUT	304SS	1
13	HANDLE SLEEVE	PLASTIC	1
14	LOCKING DEVICE	304SS	1



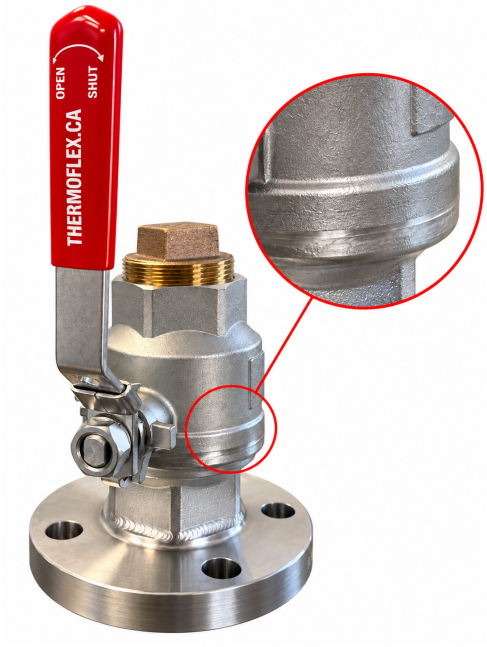
THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

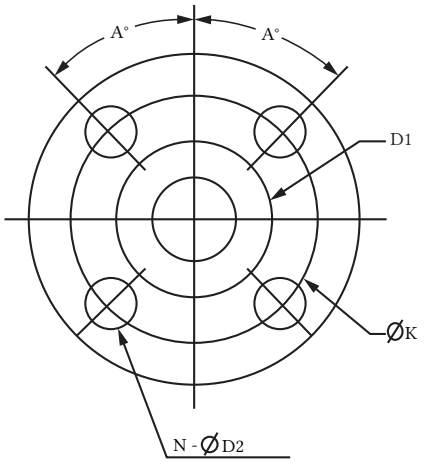
BALL VALVE: 2-PIECE THREADED, SEAL WELDED X FLANGED (B16.5)

Stainless Steel



FEATURES

- Full port 1000WOG* ball valve
- Steam rating: 150PSI* WSP
- Blow-out-proof stem
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Flange: 316SS Class 150 ANSI B16.5
- Square-head pipe plug: brass
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 150PSI*
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator
- **Threaded valve articulation seal welded**



Holes applied evenly, symmetrically to the axis.

OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS

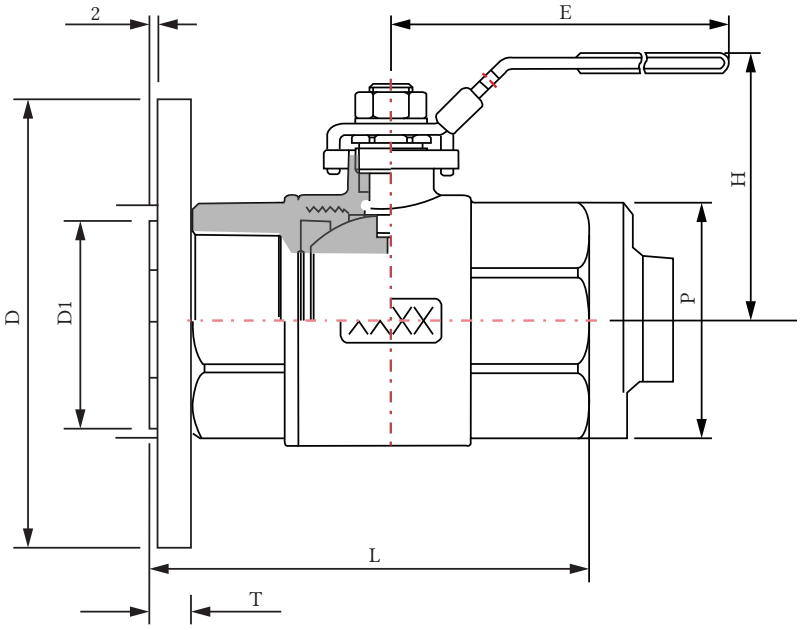
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

BALL VALVE: 2-PIECE THREADED, SEAL WELDED X FLANGED (B16.5) - Stainless Steel

DIMENSIONS											
SIZE	L+/-5	D	K	D1	H+/-5	N	D2	P	E+/-5	T	a
½"	77.5	89	60.4	35	55	4	16	NPT ½"	100	11.2	45
¾"	86	98.5	70	42.9	65	4	16	NPT ¾"	100	12.7	45
1"	99	108	79	50.8	70	4	16	NPT 1"	125	14.2	45
1 ½"	135	127	99	73.1	90	4	16	NPT 1 ½"	150	17.2	45
2"	151	152.4	120.6	92	100	4	19	NPT 2"	195	19	45
3"	221	190.5	152.5	127	125	4	19	NPT 3"	280	23.9	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
CAP	ASTM A351 CF8M	1
BALL	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
SEAT	RTFE (+15% GF)	2
GASKET	PTFE	1
THRUST WASHER	PTFE	1
PACKING	PTFE	1
GLAND	304SS	1
HANDLE	304SS	1
SPRING WASHER	304SS	1
HANDLE NUT	304SS	1
HANDLE SLEEVE	PLASTIC	1
LOCKING DEVICE	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1

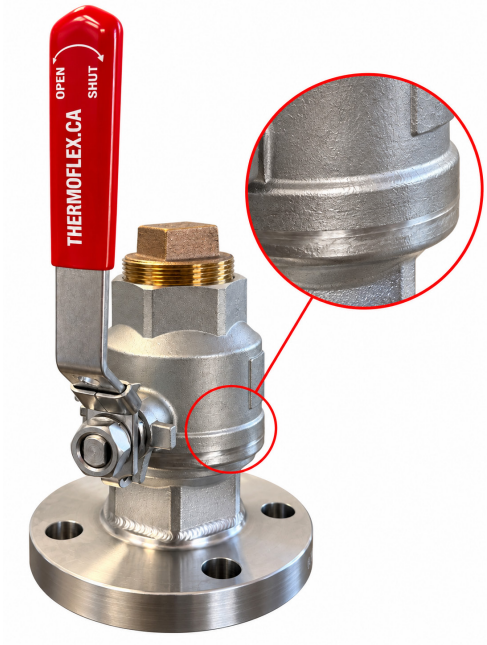


THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

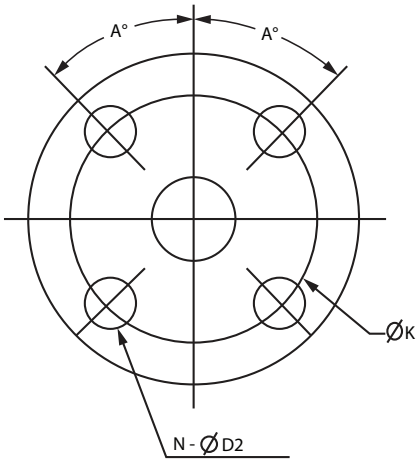
BALL VALVE: 2-PIECE THREADED, SEAL WELDED X FLANGED (B16.24)

Stainless Steel



FEATURES

- Full port 1000WOG* ball valve
- Steam rating: 150PSI* WSP
- Blow-out-proof stem
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Flange: 316SS Class 150 ANSI B16.24
- Square-head pipe plug: brass
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 150PSI*
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator
- **Threaded valve articulation seal welded**



Holes applied evenly, symmetrically to the axis.

OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS

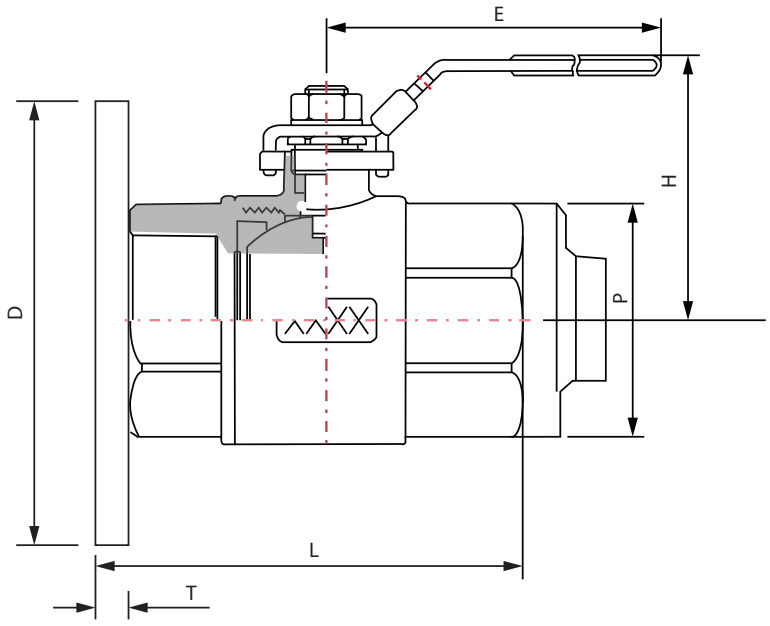
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

BALL VALVE: 2-PIECE THREADED, SEAL WELDED X FLANGED (B16.24) - Stainless Steel

DIMENSIONS										
SIZE	L+/-5	D	K	H+/-5	N	D2	P	E+/-5	T MIN	a
½"	74.5	89	60.4	55	4	16	NPT ½"	100	8	45
¾"	82	98.5	70	65	4	16	NPT ¾"	100	8.75	45
1"	94	108	79	70	4	16	NPT 1"	125	9.5	45
1 ½"	129	127	99	90	4	16	NPT 1 ½"	150	11	45
2"	145	152.4	120.6	100	4	19	NPT 2"	195	12.75	45
3"	213	190.5	152.5	125	4	19	NPT 3"	280	16	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
CAP	ASTM A351 CF8M	1
BALL	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
SEAT	RTFE (+15% GF)	2
GASKET	PTFE	1
THRUST WASHER	PTFE	1
PACKING	PTFE	1
GLAND	304SS	1
HANDLE	304SS	1
SPRING WASHER	304SS	1
HANDLE NUT	304SS	1
HANDLE SLEEVE	PLASTIC	1
LOCKING DEVICE	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1



Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

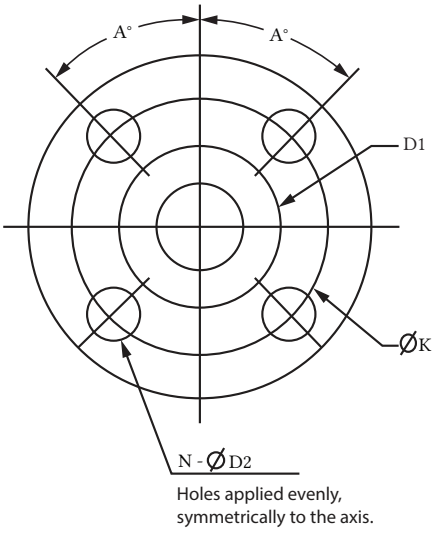
BALL VALVE: 2-PIECE THREADED, SEAL WELDED X FLANGED (B16.5) SAMPLER

Stainless Steel



FEATURES

- Full port 1000WOG* ball valve
- Steam rating: 150PSI* WSP
- Blow-out-proof stem
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Flange: 316SS Class 150 ANSI B16.5
- Square-head pipe plug: brass
- Sampler: 3/8” 304SS
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 150PSI*
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator
- **Threaded valve articulation seal welded**



OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS

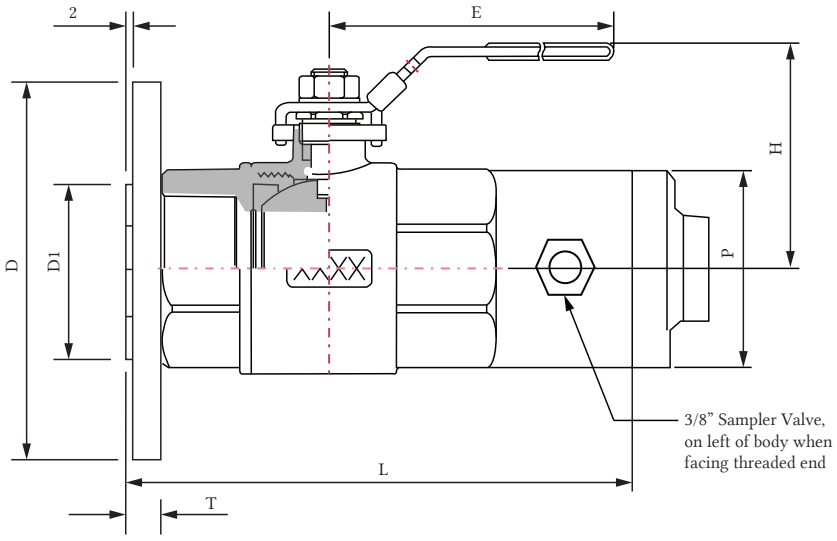
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

BALL VALVE: 2-PIECE THREADED, SEAL WELDED X FLANGED (B16.5) SAMPLER - Stainless Steel

DIMENSIONS											
SIZE	L+/-5	D	K	D1	H+/-5	N	D2	P	E+/-5	T	a
1”	143	108	79	50.8	70	4	16	NPT 1”	125	14.2	45
1 ½”	184	127	99	73.1	90	4	16	NPT 1 ½”	150	17.2	45
2”	208	152.4	120.6	92	100	4	19	NPT 2”	195	19	45
3”	294	190.5	152.5	127	125	4	19	NPT 3”	280	23.9	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
CAP	ASTM A351 CF8M	1
BALL	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
SEAT	RTFE (+15% GF)	2
GASKET	PTFE	1
THRUST WASHER	PTFE	1
PACKING	PTFE	1
GLAND	304SS	1
HANDLE	304SS	1
SPRING WASHER	304SS	1
HANDLE NUT	304SS	1
HANDLE SLEEVE	PLASTIC	1
LOCKING DEVICE	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1
SAMPLER	304SS	1
EXTENSION	316SS	1



THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

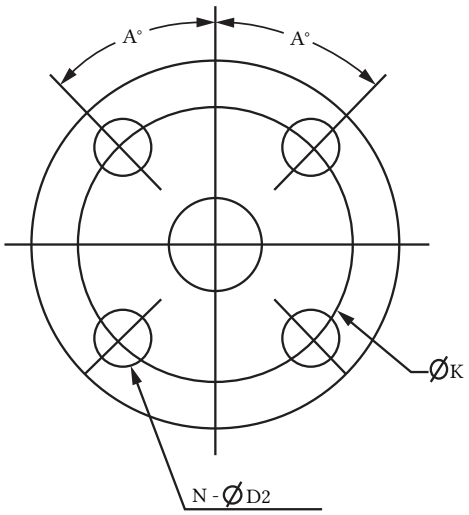
BALL VALVE: 2-PIECE THREADED, SEAL WELDED X FLANGED (B16.24) SAMPLER

Stainless Steel



FEATURES

- Full port 1000WOG* ball valve
- Steam rating: 150PSI* WSP
- Blow-out-proof stem
- Body: ASTM A351 CF8M
- Ball: ASTM A351 CF8M
- Stem: ASTM A276 316SS
- Flange: 316SS Class 150 ANSI B16.24
- Square-head pipe plug: brass
- Sampler: 3/8” 304SS
- Adjustable stem packing
- Seat: reinforced teflon (RTFE)
- Working pressure: 150PSI*
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Padlocking device
- Open/close position indicator
- **Threaded valve articulation seal welded**



Holes applied evenly, symmetrically to the axis.

OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS

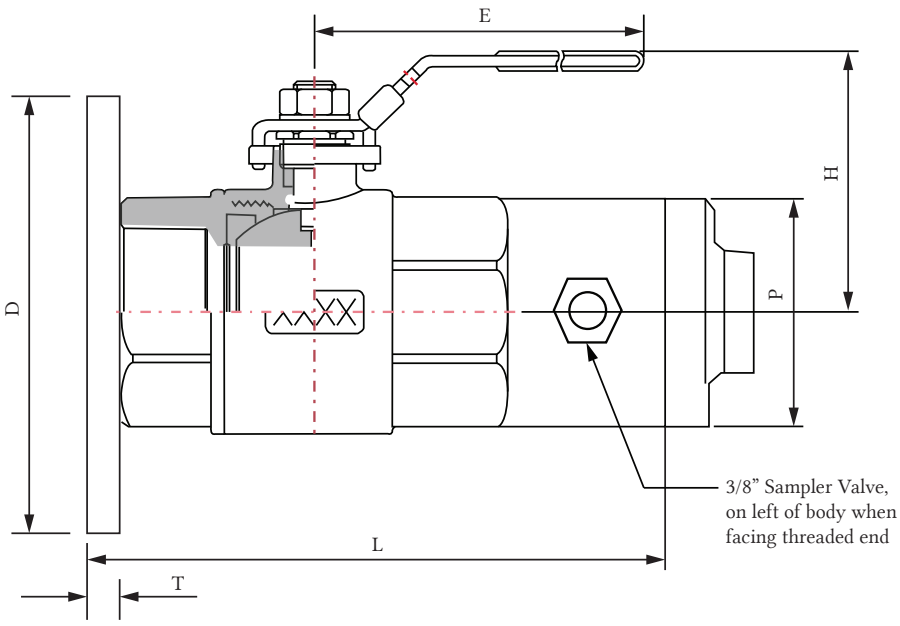
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

BALL VALVE: 2-PIECE THREADED, SEAL WELDED X FLANGED (B16.24) SAMPLER - Stainless Steel

DIMENSIONS										
SIZE	L+/-5	D	K	H+/-5	N	D2	P	E+/-5	T MIN	a
1"	138	108	79	70	4	16	NPT 1"	125	9.5	45
1 ½"	178	127	99	90	4	16	NPT 1 ½"	150	11	45
2"	202	152.4	120.6	100	4	19	NPT 2"	195	12.75	45
3"	286	190.5	152.5	125	4	19	NPT 3"	280	16	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
CAP	ASTM A351 CF8M	1
BALL	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
SEAT	RTFE (+15% GF)	2
GASKET	PTFE	1
THRUST WASHER	PTFE	1
PACKING	PTFE	1
GLAND	304SS	1
HANDLE	304SS	1
SPRING WASHER	304SS	1
HANDLE NUT	304SS	1
HANDLE SLEEVE	PLASTIC	1
LOCKING DEVICE	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1
SAMPLER	304SS	1
EXTENSION	316SS	1



THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

THERMOFLEX
SINCE 1982

Section B

BALL VALVES

Brass

BALL VALVE: 2-PIECE THREADED
Brass

FEATURES

- Standard port 400WOG ball valve
- Self-cleaning and self-adjusting compressed seal
- Double O-ring stem
- Body: forged brass precision machined
- Ball: brass precision machined
- Stem: brass/chrome plated precision machined
- O-rings: Buna-N (NBR)
- Seat: Buna-N (NBR)
- Prolonged life expectancy
- Working pressure: 400PSI
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Open/close position indicator



OPTION

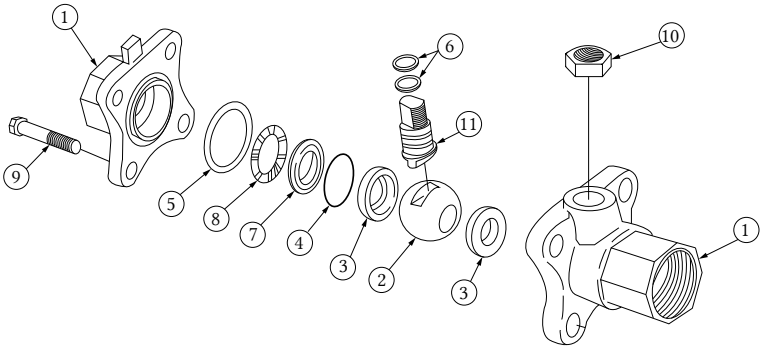
- Padlocking device
- Sampling device

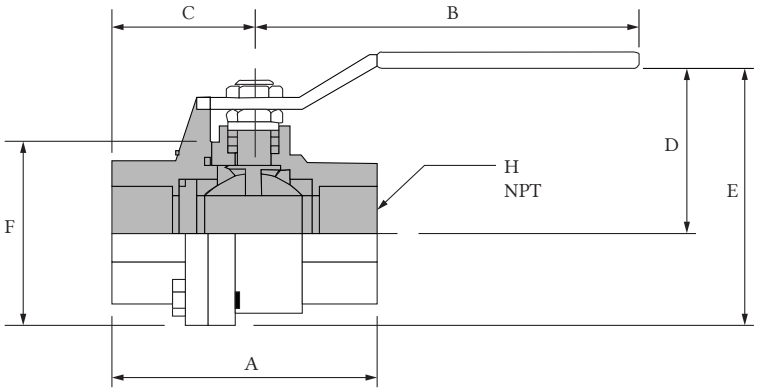
BALL VALVE: 2-PIECE THREADED
Brass

DIMENSIONS									
SIZE	PORT	A	B	C	D	E	F	H	WT
¼"	9.5	62.7	95.25	34.3	37.3	58.2	41.4	¼" NPT	1.0
½"	9.5	65.5	95.25	35.5	37.3	58.2	41.15	½" NPT	1.5
¾"	12.7	67.3	114.3	36.3	45.5	70.86	50.8	¾" NPT	2.5
1"	17.5	81.3	112.8	43.2	47.5	77	58.67	1" NPT	3.0
1 ½"	30.2	108.2	147.5	57.15	65	102.1	74.4	1 ½" NPT	4.5
2"	34.9	117.1	147.57	60.7	67.8	110	84.3	2" NPT	6.75

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	FORGED BRASS	2
2	BALL	BRASS PRECISION MACHINED	1
3	SEATS	Buna-N (NBR)	2
4	SEAT O-RING	Buna-N (NBR)	1
5	JOINT O-RING	Buna-N (NBR)	1
6	STEM O-RING	Buna-N (NBR)	2
7	DISC	BRASS PRECISION MACHINED	1
8	SPRING	304SS	1
9	CAP SCREW	304SS	4
10	JAM NUT	304SS	1
11	STEM	BRASS/CHROME PLATED PRECISION MACHINED	1
	HANDLE	GALVANIZED/304SS	1
	HANDLE SLEEVE	PLASTIC	1
	LOCKING DEVICE OPTION*	304SS	1
	SAMPLING DEVICE OPTION*	BRASS PRECISION MACHINED	1





THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

BALL VALVE: 2-PIECE THREADED X FLANGED (B16.24)

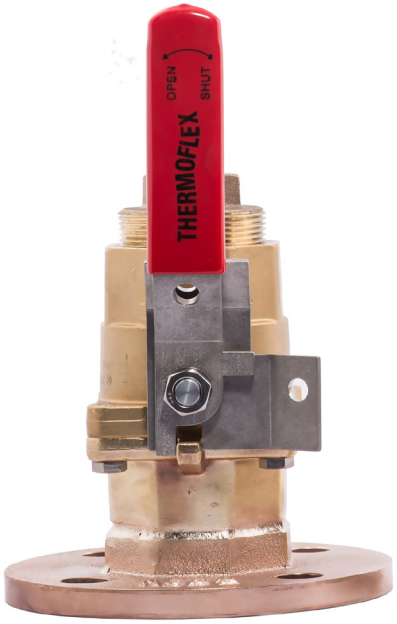
Brass

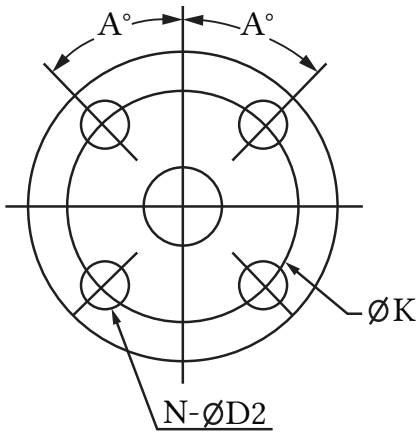
FEATURES

- Standard port 400WOG* ball valve
- Self-cleaning and self-adjusting compressed seal
- Double O-ring stem
- Body: forged brass precision machined
- Ball: brass precision machined
- Stem: brass/chrome plated precision machined
- Flange: brass/cast bronze Class 150 ANSI 16.24
- Square-head pipe plug: brass
- O-rings: Buna-N (NBR)
- Seat: Buna-N (NBR)
- Prolonged life expectancy
- Working pressure 150PSI*
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Open/close position indicator

OPTION

- Padlocking device
- Sampling device





Holes applied evenly, symmetrically to the axis.

** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

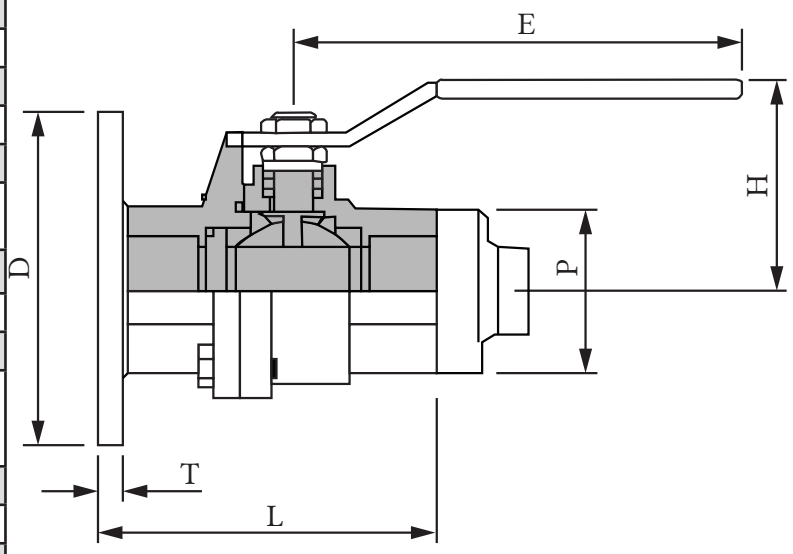
BALL VALVE: 2-PIECE THREADED X FLANGED (B16.24)
Brass

DIMENSIONS										
SIZE	L+/-5	D(d)	K	H+/-5	N	D2	P	E+/-5	T min	a
½"	95	89	60.4	40	4	16	NPT ½"	95	8	45
¾"	95	99	70	45	4	16	NPT ¾"	110	8.75	45
1"	110	108	79	50	4	16	NPT 1"	110	9.5	45
1 ½"	130	127	99	65	4	16	NPT 1 ½"	145	11	45
2"	145	152	120.6	70	4	19	NPT 2"	145	12.75	45

(d) -0/+10 "D"

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	FORGED BRASS	2
2	BALL	BRASS PRECISION MACHINED	1
3	SEATS	Buna-N (NBR)	2
4	SEAT O-RING	Buna-N (NBR)	1
5	JOINT O-RING	Buna-N (NBR)	1
6	STEM O-RING	Buna-N (NBR)	2
7	DISC	BRASS PRECISION MACHINED	1
8	SPRING	304SS	1
9	CAP SCREW	304SS	4
10	JAM NUT	304SS	1
11	STEM	BRASS/CHROME PLATED PRECISION MACHINED	1
	HANDLE	GALVANIZED/304SS	1
	HANDLE SLEEVE	PLASTIC	1
	LOCKING DEVICE OPTION*	304SS	1
	SAMPLING DEVICE OPTION*	BRASS PRECISION MACHINED	1



THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

BALL VALVE: 2-PIECE THREADED X FLANGED (B16.24) SAMPLER

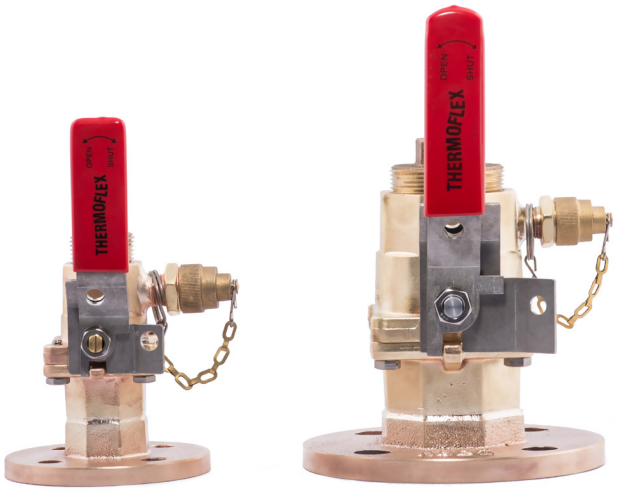
Brass

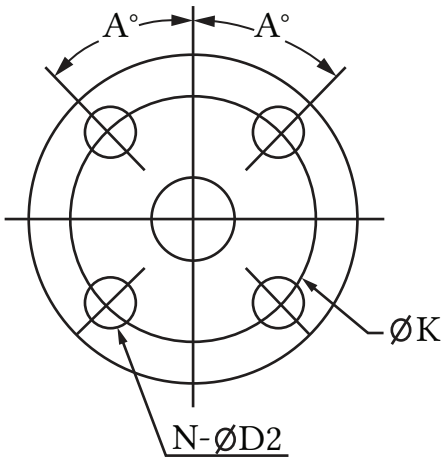
FEATURES

- Standard port 400WOG* ball valve
- Self-cleaning and self-adjusting compressed seal
- Double O-ring stem
- Body: forged brass precision machined
- Ball: brass precision machined
- Stem: brass/chrome plated precision machined
- Flange: brass/cast bronze Class 150 ANSI 16.24
- Square-head pipe plug: brass
- Sampler: 3/8” brass precision machined
- O-rings: Buna-N (NBR)
- Seat: Buna-N (NBR)
- Prolonged life expectancy
- Working pressure: 150PSI*
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Open/close position indicator

OPTION

- Padlocking device





Holes applied evenly, symmetrically to the axis.

** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

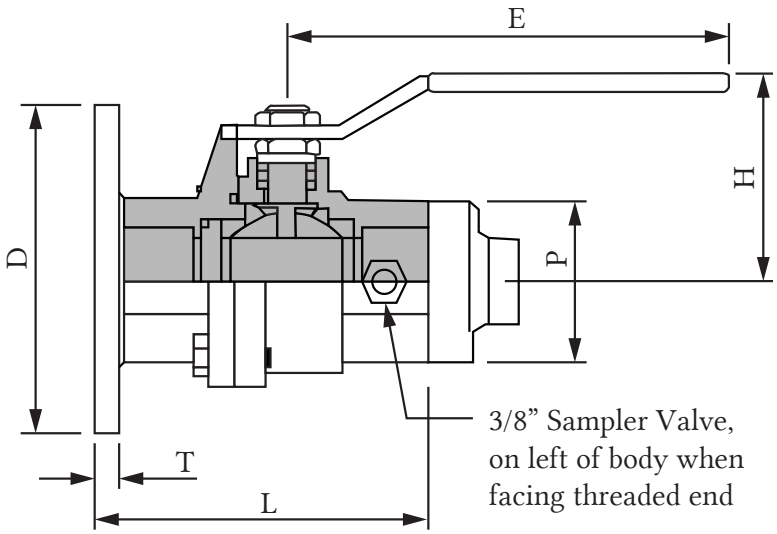
BALL VALVE: 2-PIECE THREADED X FLANGED (B16.24) SAMPLER
Brass

DIMENSIONS										
SIZE	L+/-5	D(d)	K	H+/-5	N	D2	P	E+/-5	T min	a
1"	110	108	79	50	4	16	NPT 1"	110	9.5	45
1 ½"	130	127	99	65	4	16	NPT 1 ½"	145	11	45
2"	145	152	120.6	70	4	19	NPT 2"	145	12.75	45

(d) -0/+10 "D"

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	FORGED BRASS	2
2	BALL	BRASS PRECISION MACHINED	1
3	SEATS	Buna-N (NBR)	2
4	SEAT O-RING	Buna-N (NBR)	1
5	JOINT O-RING	Buna-N (NBR)	1
6	STEM O-RING	Buna-N (NBR)	2
7	DISC	BRASS PRECISION MACHINED	1
8	SPRING	304SS	1
9	CAP SCREW	304SS	4
10	JAM NUT	304SS	1
11	STEM	BRASS/CHROME PLATED PRECISION MACHINED	1
	HANDLE	GALVANIZED/304SS	1
	HANDLE SLEEVE	PLASTIC	1
	LOCKING DEVICE OPTION*	304SS	1
	SAMPLING DEVICE OPTION*	BRASS PRECISION MACHINED	1



3/8" Sampler Valve, on left of body when facing threaded end

THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

BALL VALVE: 2-PIECE FLANGED X FLANGED (B16.24/B16.10)

Brass

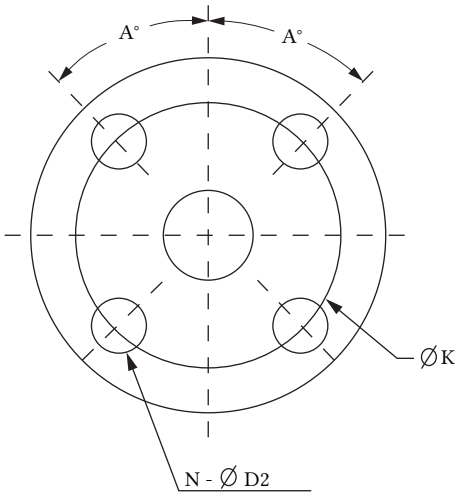
FEATURES

- Standard port 400WOG* ball valve
- Self-cleaning and self-adjusting compressed seal
- Double O-ring stem
- Body: forged brass precision machined
- Ball: brass precision machined
- Stem: brass/chrome plated precision machined
- Flange: brass/cast bronze Class 150 ANSI 16.24
- Square-head pipe plug: brass
- Face to face: ANSI B16.10
- O-Rings: Buna-N (NBR)
- Seat: Buna-N (NBR)
- Prolonged life expectancy
- Working pressure: 150PSI*
- Temperature Range: -50°F to 250°F (-45.5°C to 121°C)
- Open/close position indicator



OPTION

- Padlocking device
- Sampling device



Holes applied evenly, symmetrically to the axis.

** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

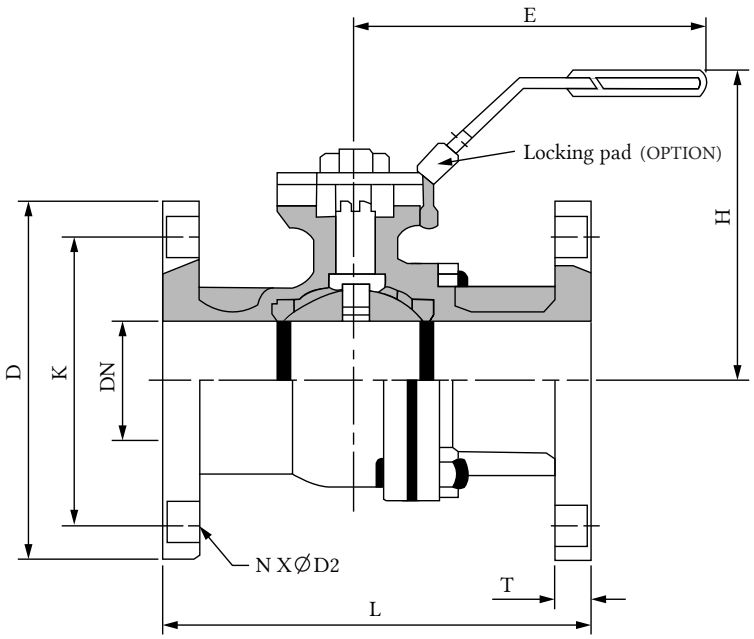
BALL VALVE: 2-PIECE FLANGED X FLANGED (B16.24/B16.10)
Brass

DIMENSIONS									
SIZE	L	D(d)	K	H+/-5	N	D2	E+/-5	T min	a
½"	108	89	60.4	75	4	16	90	8	45
¾"	117	99	70	80	4	16	90	8.75	45
1"	127	108	79	80	4	16	90	9.5	45
1 ½"	165	127	99	105	4	16	125	11	45
2"	178	152	120.6	105	4	19	125	12.75	45

(d) -0/+10 "D"

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	FORGED BRASS	2
2	BALL	BRASS PRECISION MACHINED	1
3	SEATS	Buna-N (NBR)	2
4	SEAT O-RING	Buna-N (NBR)	1
5	JOINT O-RING	Buna-N (NBR)	1
6	STEM O-RING	Buna-N (NBR)	2
7	DISC	BRASS PRECISION MACHINED	1
8	SPRING	304SS	1
9	CAP SCREW	304SS	4
10	JAM NUT	304SS	1
11	STEM	BRASS/CHROME PLATED PRECISION MACHINED	1
	HANDLE	GALVANIZED/304SS	1
	HANDLE SLEEVE	PLASTIC	1
	LOCKING DEVICE OPTION*	304SS	1
	SAMPLING DEVICE OPTION*	BRASS PRECISION MACHINED	1



Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

BALL VALVE: 3-PIECE THREADED
Brass

FEATURES

- Standard port 600WOG ball valve
- Saturated steam: 150PSI
- Blow-out-proof stem
- Body: bronze
- Ball: brass with hard chrome plate
- Stem: bronze
- O-Rings: fluorocarbon rubber
- Seats: teflon (PTFE)
- Prolonged life expectancy
- Working pressure: 600PSI
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Open/close position indicator



OPTION

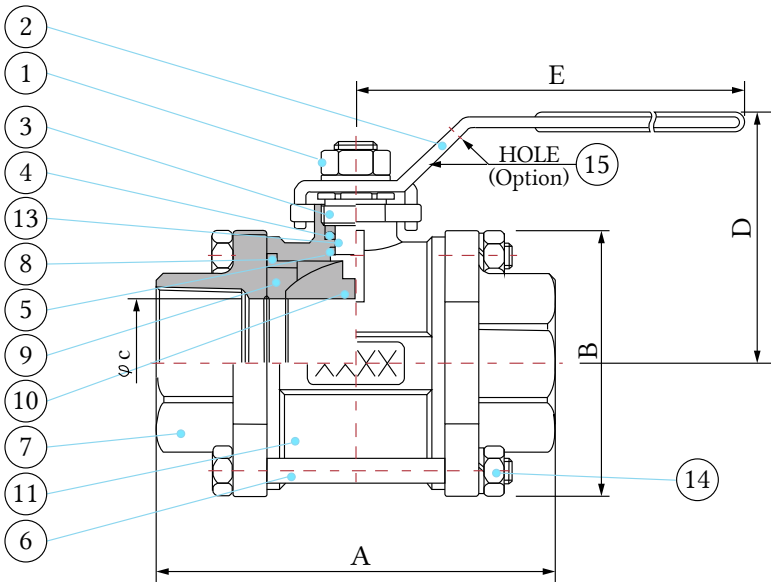
- Padlocking device

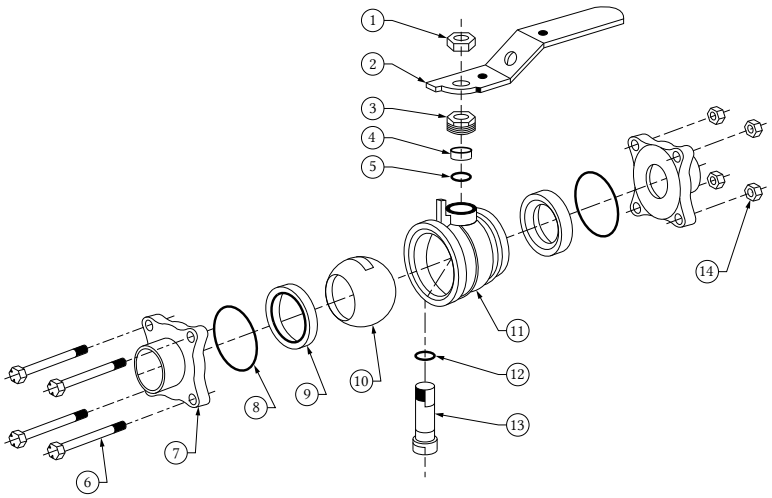
BALL VALVE: 3-PIECE THREADED
Brass

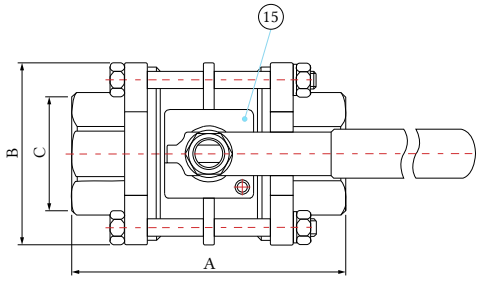
DIMENSIONS						
SIZE	A	B	C	D	E	WT
3”	175	127	64	104	203	19

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	HANDLE NUT	304SS	1
2	HANDLE	GALVANIZED/304SS	1
3	PACKING GLAND	BRASS PRECISION MACHINED	1
4	PACKING	PTFE	1
5	GROUNDING WASHER	BRASS PRECISION MACHINED	1
6	BODY BOLTS	304SS	4
7	CAP	BRONZE	2
8	O-RINGS	FLUOROCARBON RUBBER	2
9	SEAT	TEFLON (PTFE)	2
10	BALL	BRASS + HARD CHROME PLATE	1
11	BODY	BRONZE	1
12	THRUST WASHER	RTFE (+15% GF)	1
13	STEM	SILICON BRONZE PRECISION MACHINED	1
14	BODY NUT	304SS	4
15	LOCKING DEVICE OPTION*	304SS	1







Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

BALL VALVE: 3-PIECE THREADED X FLANGED (B16.24)

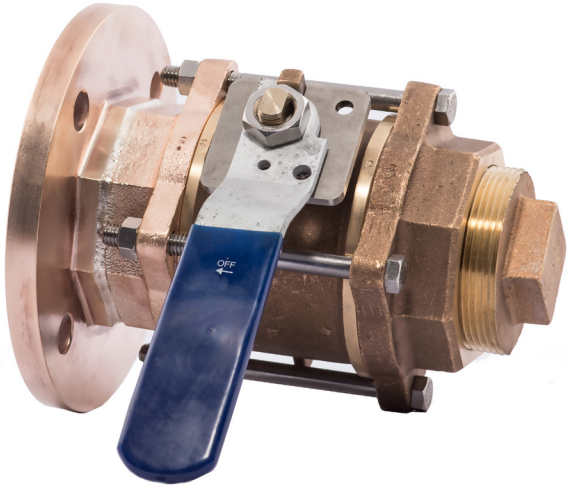
Brass

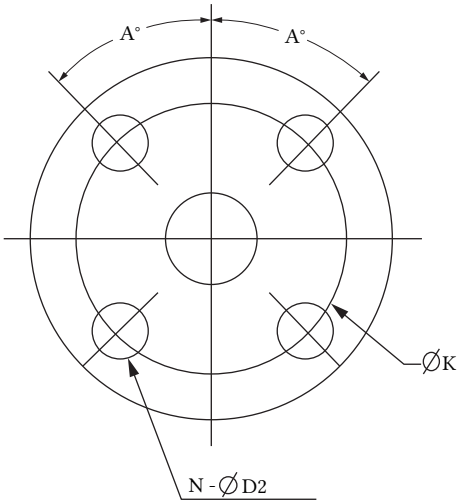
FEATURES

- Standard port 600WOG* ball valve
- Saturated steam: 150PSI*
- Blow-out-proof stem
- Body: bronze
- Ball: brass with hard chrome plate
- Stem: bronze
- O-Rings: fluorocarbon rubber
- Seats: teflon (PTFE)
- Flange: brass/cast bronze Class 150 ANSI 16.24
- Prolonged life expectancy
- Working pressure: 600PSI*
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Open/close position indicator

OPTION

- Padlocking device





Holes applied evenly, symmetrically to the axis.

** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

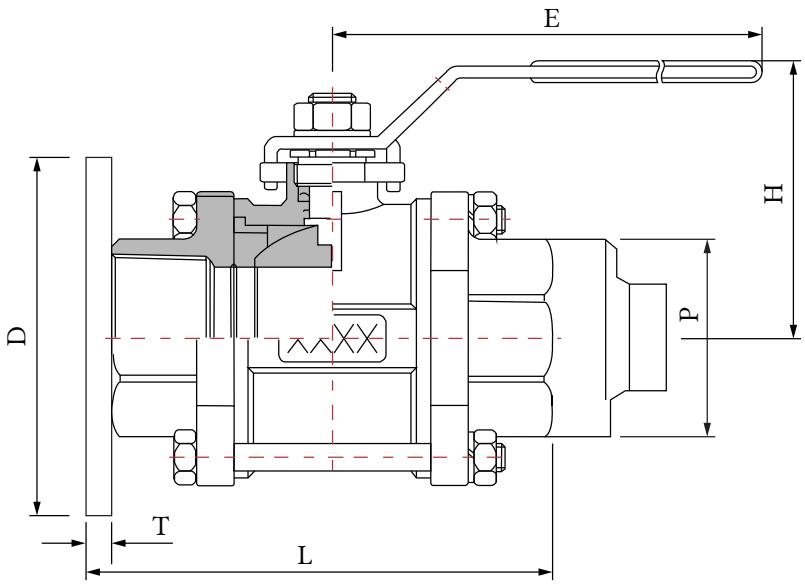
BALL VALVE: 3-PIECE THREADED X FLANGED (B16.24)
Brass

DIMENSIONS										
SIZE	L+/-5	D(d)	K	H+/-5	N	D2	P	E+/-5	T min	a
3”	200	191	152.5	105	4	19	NPT 3”	200	16	90

(d) -0/+10 “D”

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	HANDLE NUT	304SS	1
2	HANDLE	GALVANIZED/304SS	1
3	PACKING GLAND	BRASS PRECISION MACHINED	1
4	PACKING	PTFE	1
5	GROUNDING WASHER	BRASS PRECISION MACHINED	1
6	BODY BOLTS	304SS	4
7	CAP	BRONZE	2
8	O-RINGS	FLUOROCARBON RUBBER	2
9	SEAT	TEFLON (PTFE)	2
10	BALL	BRASS + HARD CHROME PLATE	1
11	BODY	BRONZE	1
12	THRUST WASHER	RTFE (+15% GF)	1
13	STEM	SILICON BRONZE PRECISION MACHINED	1
14	BODY NUT	304SS	4
15	LOCKING DEVICE OPTION*	304SS	1



Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

BALL VALVE: 3-PIECE FLANGED X FLANGED (B16.24/B16.10)

Brass

FEATURES

- Standard port 600WOG* ball valve
- Saturated steam: 150PSI*
- Blow-out-proof stem
- Body: bronze
- Ball: brass with hard chrome plate
- Stem: bronze
- O-Rings: fluorocarbon rubber
- Seats: teflon (PTFE)
- Flange: brass/cast bronze Class 150 ANSI B16.24
- Face to face: ANSI B16.10
- Prolonged life expectancy
- Working pressure: 600PSI*
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Open/close position indicator



OPTION

- Padlocking device

** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

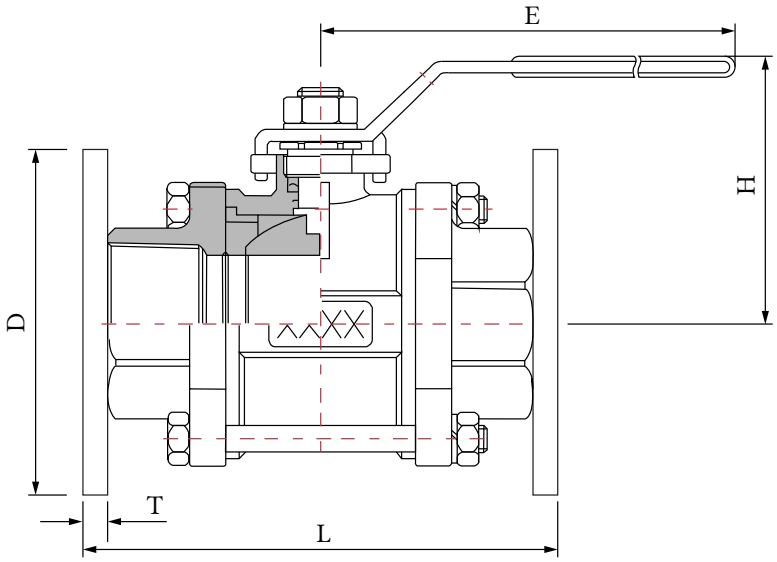
BALL VALVE: 3-PIECE FLANGED X FLANGED (B16.24/B16.10)

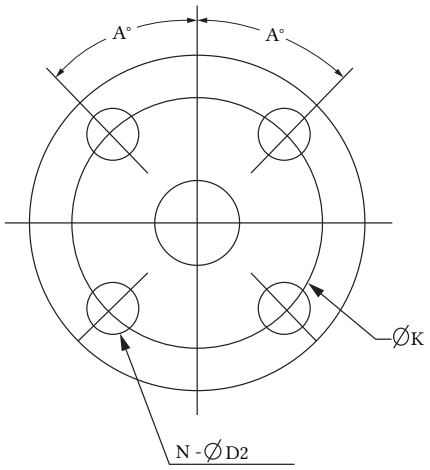
DIMENSIONS									
SIZE	L	D	K	H+/-5	N	D2	E+/-5	T min	A
3”	203	191	152.5	155	4	19	175	16	90

(d) -0/+10 “D”

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	HANDLE NUT	304SS	1
2	HANDLE	GALVANIZED/304SS	1
3	PACKING GLAND	BRASS PRECISION MACHINED	1
4	PACKING	PTFE	1
5	GROUNDING WASHER	BRASS PRECISION MACHINED	1
6	BODY BOLTS	304SS	4
7	CAP	BRONZE	2
8	O-RINGS	FLUOROCARBON RUBBER	2
9	SEAT	TEFLON (PTFE)	2
10	BALL	BRASS + HARD CHROME PLATE	1
11	BODY	BRONZE	1
12	THRUST WASHER	RTFE (+15% GF)	1
13	STEM	SILICON BRONZE PRECISION MACHINED	1
14	BODY NUT	304SS	4
15	LOCKING DEVICE OPTION*	304SS	1





Holes applied evenly, symmetrically to the axis.

THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

THERMOFLEX
SINCE 1982

Section C

GATE VALVES
Stainless Steel

GATE VALVE: THREADED
Stainless Steel

FEATURES

- Full port 200WOG gate valve
- Working pressure: 200PSI
- Non-rising stem
- Disc: ASTM A351 CF8M
- Body: ASTM A351 CF8M
- Threaded bonnet
- Adjustable stem packing
- NPT threaded end connections
- Temperature range: -58°F to 350°F (-50°C to 176°C)
- Test standard: API 598
- Open/close position indicator

OPTION

- Padlocking device
- Graduated open/close position indicator

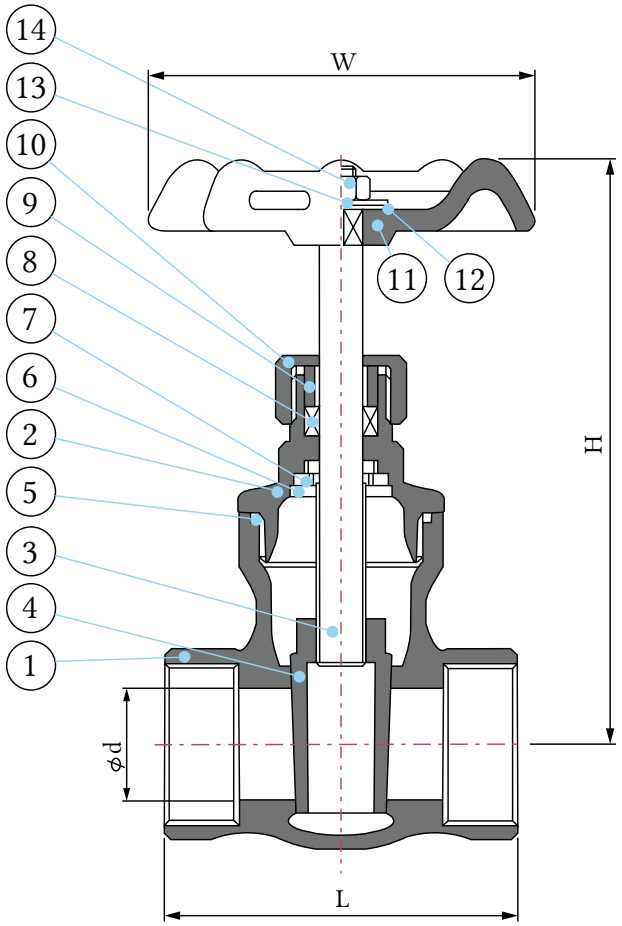


GATE VALVE: THREADED
Stainless Steel

DIMENSIONS						
SIZE	d	W	H	L	CV	WT
½"	16.1	70	98.6	57	15	1.15
¾"	20.3	70	103	60.5	37	1.39
1"	26	76.5	115	67	72	1.78
1 ½"	31.8	103.5	173	87	165	4.41
2"	50.3	121	189	95	320	6.21

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	ASTM A351 CF8M	1
2	BONNET	ASTM A351 CF8M	1
3	STEM	ASTM A276 316SS	1
4	DISC	ASTM A351 CF8M	1
5	GASKET	PTFE	1
6	STOP RING	304SS	1
7	STEM HOLDER	316SS	1
8	STEM PACKING	PTFE	1
9	GLAND	304SS	1
10	GLAND NUT	316SS	1
11	HAND WHEEL	400SS	1
12	INDICATOR PLATE	ALUMINUM	1
13	HAND WHEEL WASHER	304SS	1
14	HAND WHEEL NUT	304SS	1



THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

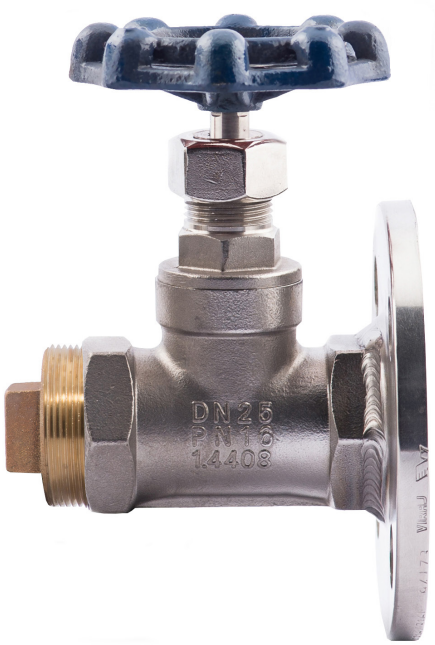
DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GATE VALVE: THREADED X FLANGED (B16.5)

Stainless Steel

FEATURES

- Full port 200WOG gate valve
- Working pressure: 200PSI*
- Non-rising stem
- Disc: ASTM A351 CF8M
- Body: ASTM A351 CF8M
- Threaded bonnet
- Flange: 316SS Class 150 ANSI B16.5
- Square-head pipe plug: brass
- Adjustable stem packing
- Temperature range: -58°F to 350°F (-50°C to 176°C)
- Test standard: API 598
- Open/close position indicator



OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS
- Padlocking device
- Graduated open/close position indicator

** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

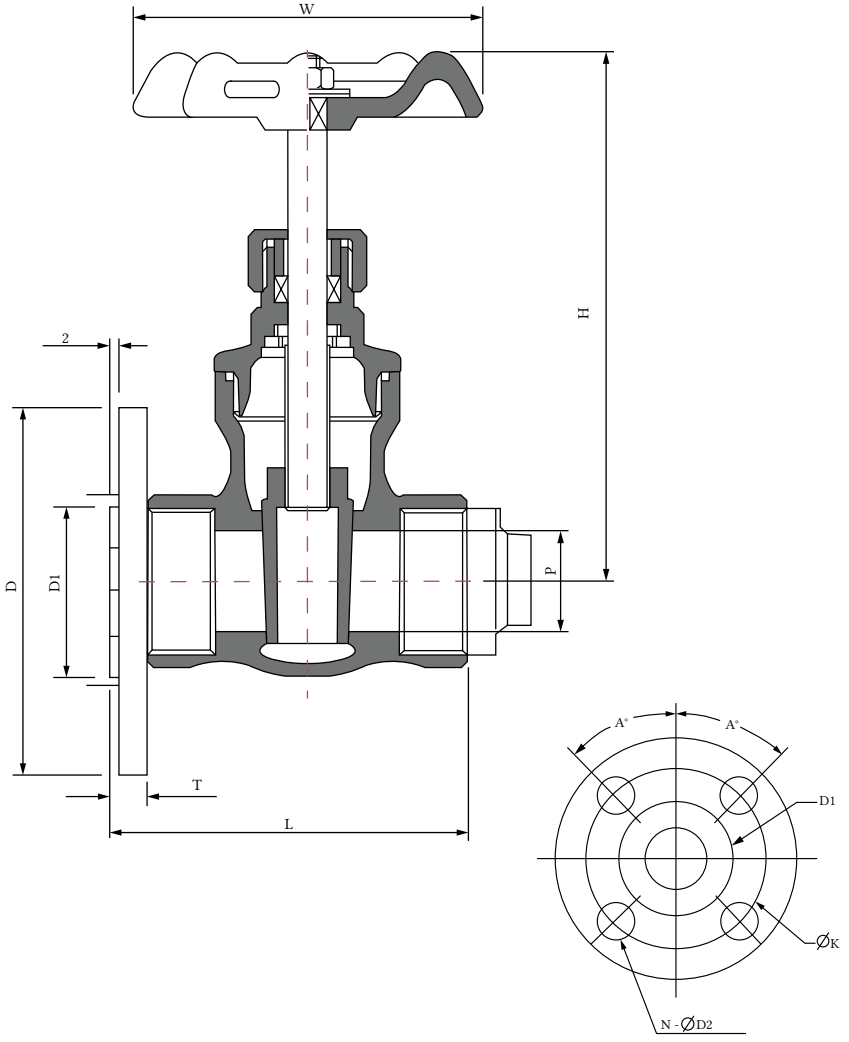
GATE VALVE: THREADED X FLANGED (B16.5)

Stainless Steel

DIMENSIONS											
SIZE	L+/-5	D	K	D1	H	N	D2	P	W	T	a
½"	68	89	60.4	35	98	4	16	NPT ½"	70	11.2	45
¾"	73	98.5	70	42.9	103	4	16	NPT ¾"	70	12.7	45
1"	81	108	79	50.8	115	4	16	NPT 1"	76.5	14.2	45
1 ½"	104	127	99	73.1	173	4	16	NPT 1 ½"	103.5	17.2	45
2"	114	152.4	120.6	92	189	4	19	NPT 2"	121	19	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
BONNET	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
DISC	ASTM A351 CF8M	1
GASKET	PTFE	1
STOP RING	304SS	1
STEM HOLDER	316SS	1
STEM PACKING	PTFE	1
GLAND	304SS	1
GLAND NUT	316SS	1
HAND WHEEL	400SS	1
INDICATOR PLATE	ALUMINUM	1
HAND WHEEL WASHER	304SS	1
HAND WHEEL NUT	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1



Holes applied evenly, symmetrically to the axis.

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

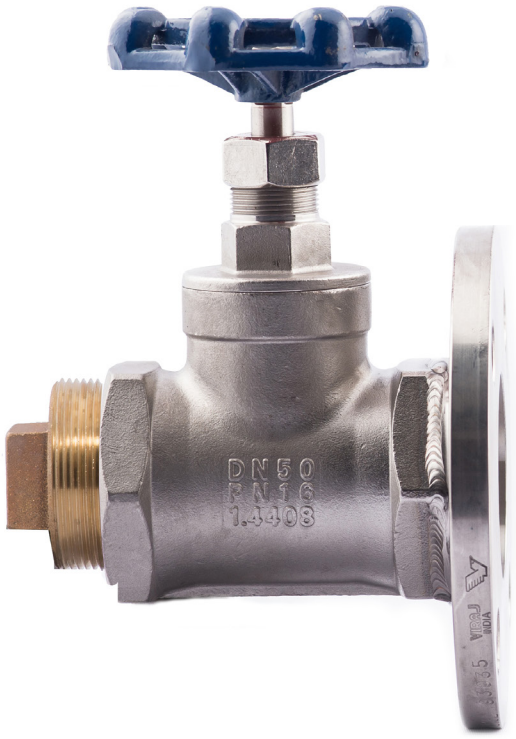
DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GATE VALVE: THREADED X FLANGED (B16.24)

Stainless Steel

FEATURES

- Full port 200WOG gate valve
- Working pressure: 200PSI*
- Non-rising stem
- Disc: ASTM A351 CF8M
- Body: ASTM A351 CF8M
- Threaded bonnet
- Flange: 316SS Class 150 ANSI B16.24
- Square-head pipe plug: brass
- Adjustable stem packing
- Temperature range: -58°F to 350°F (-50°C to 176°C)
- Test standard: API 598
- Open/close position indicator



OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS
- Padlocking device
- Graduated open/close position indicator

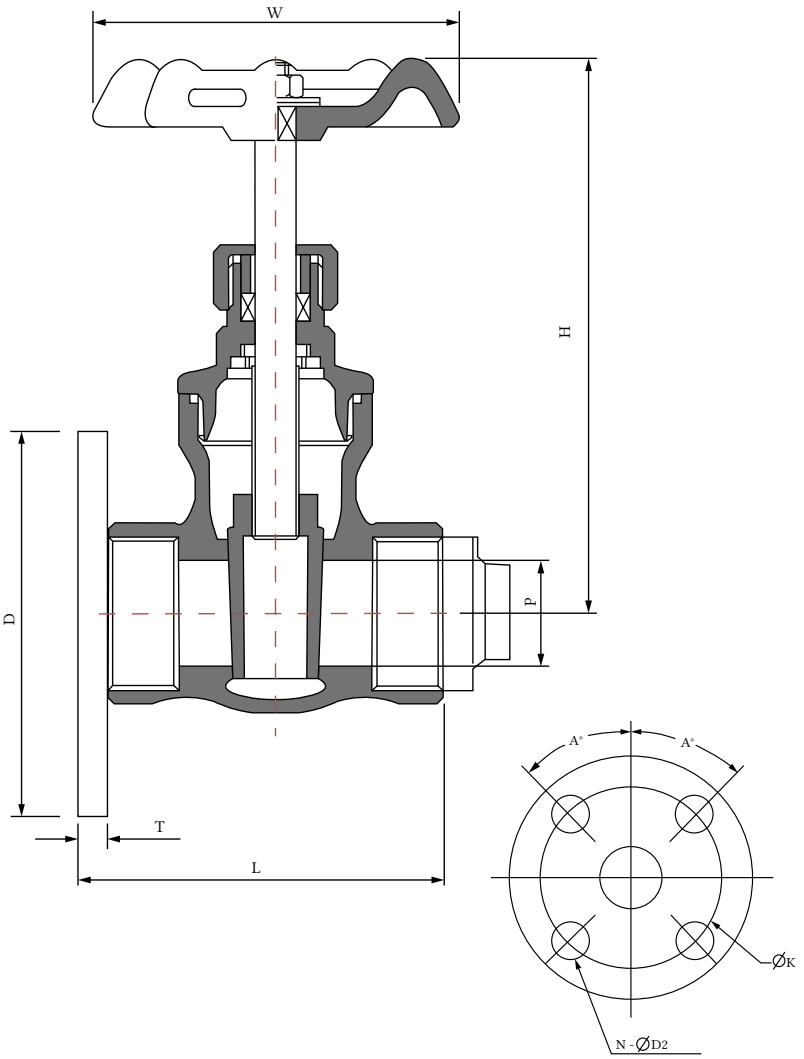
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

GATE VALVE: 2-PIECE THREADED X FLANGED (B16.24) SAMPLER
Stainless Steel

DIMENSIONS										
SIZE	L+/-5	D	K	H	N	D2	P	W	T min	a
½"	65	89	60.4	98	4	16	NPT ½"	70	8	45
¾"	69	98.5	70	103	4	16	NPT ¾"	70	8.75	45
1"	76	108	79	115	4	16	NPT 1"	76.5	9.5	45
1 ½"	98	127	99	173	4	16	NPT 1 ½"	103.5	11	45
2"	108	152.4	120.6	189	4	19	NPT 2"	121	12.75	45

** All dimensions recorded in millimeters*

MATERIALS LIST		
PART	MATERIAL	QTY
BODY	ASTM A351 CF8M	1
BONNET	ASTM A351 CF8M	1
STEM	ASTM A276 316SS	1
DISC	ASTM A351 CF8M	1
GASKET	PTFE	1
STOP RING	304SS	1
STEM HOLDER	316SS	1
STEM PACKING	PTFE	1
GLAND	304SS	1
GLAND NUT	316SS	1
HAND WHEEL	400SS	1
INDICATOR PLATE	ALUMINUM	1
HAND WHEEL WASHER	304SS	1
HAND WHEEL NUT	304SS	1
PIPE PLUG	BRASS	1
FLANGE	316SS	1



Holes applied evenly, symmetrically to the axis.

THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

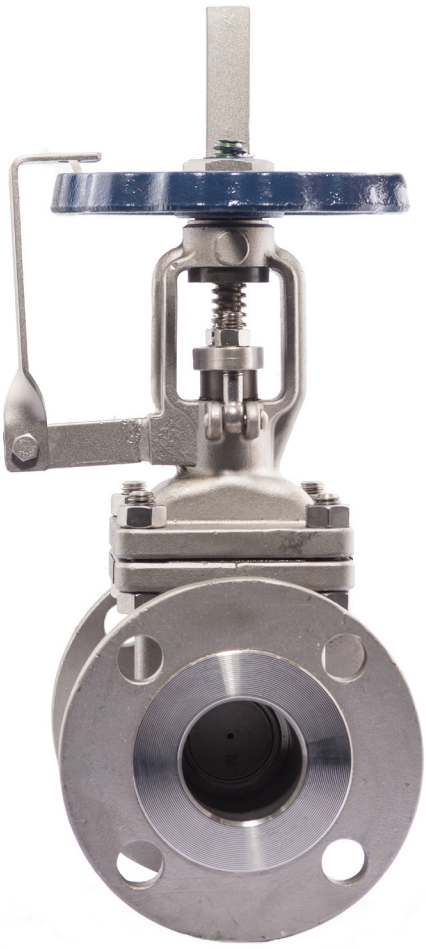
DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GATE VALVE: FLANGED X FLANGED – CLASS 150 (B16.5/B16.10)

Stainless Steel

FEATURES

- Full port Class 150 gate valve
- Steam rating: 125PSI WSP
- Rising stem OS&Y
- Disc: ASTM A351 CF8M
- Body: ASTM A351 CF8M
- Stem: 316SS
- Packing: PTFE
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Face to face: ANSI B16.10
- Flange: Class 150 ANSI B16.5
- Open/close position indicator
- NACE MR-0175 full compliance



OPTION

- Padlocking device
- Graduated open/close position indicator
- Class 300

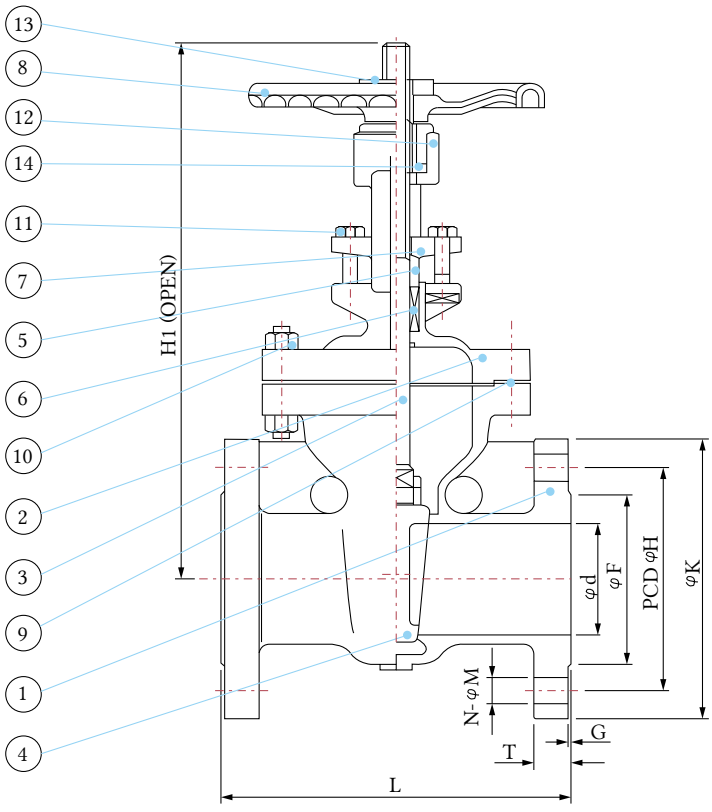
These valves are also available in cast steel; dimensions can be specified in Metric, U.S. Standard or JIS.

GATE VALVE: FLANGED X FLANGED – CLASS 150 (B16.5/B16.10)
Stainless Steel

DIMENSIONS												
SIZE	d	L	H1	K	H	F	T	G	M	N	CV	WT
½"	15	108	204	89	60.5	35	11.2	1.6	15.7	4	19	7.49
¾"	20	117	209	98.5	70	43	11.2	1.6	15.7	4	36	9.91
1"	25	127	229	108	79.5	51	11.2	1.6	15.7	4	57	12.11
1 ¼"	32	140	270	117.5	89	64	14.3	1.6	15.7	4	100	14.32
1 ½"	40	165	283	127	98.5	73	14.3	1.6	15.7	4	120	19.82
2"	50	178	332	152.5	120.5	92	15.9	1.6	19	4	140	25.33
2 ½"	65	190	397	178	139.5	105	17.5	1.6	19	4	240	39.66
3"	80	203	439	190.5	152.5	127	19.1	1.6	19	4	360	44.05
4"	100	229	518	229	190.5	157	23.9	1.6	19	8	580	66.08
5"	125	254	621	254	216.5	186	23.9	1.6	22.3	8	950	96.92
6"	150	267	714	279.5	241.5	216	25.4	1.6	22.3	8	2400	123.35
8"	200	292	914	343	298.5	270	28.6	1.6	22.3	8	4200	180.62
10"	250	330	1108	406.5	362	324	30.2	1.6	25.4	12	6800	290.75
12"	300	356	1553	482.5	432	381	31.8	1.6	25.4	12	9900	432.82

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	ASTM A351 CF8M	1
2	BONNET	ASTM A351 CF8M	1
3	STEM	ASTM A276 316	1
4	DISC	ASTM A351 CF8M	1
5	GLAND	ASTM A351 CF8M	1
6	GLAND PACKING	PTFE	1
7	GLAND FLANGE	ASTM A351 CF8M	1
8	HAND WHEEL	ASTM A536 B65-45-12	1
9	GASKET	PTFE	1
10	BONNET BOLT/NUT	ASTM A193 B8/ ASTM A194 GR8	4-16
11	GLAND BOLT/NUT	ASTM A193 B8/ ASTM A194 GR8	2
12	YOKE SLEEVE	BRONZE	1
13	HAND WHEEL NUT	STEEL	1
14	YOKE SLEEVE NUT	304SS	1
15	LOCKING DEVICE OPTION*	304SS	1



THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

THERMOFLEX
SINCE 1982

Section D

GATE VALVES
Brass

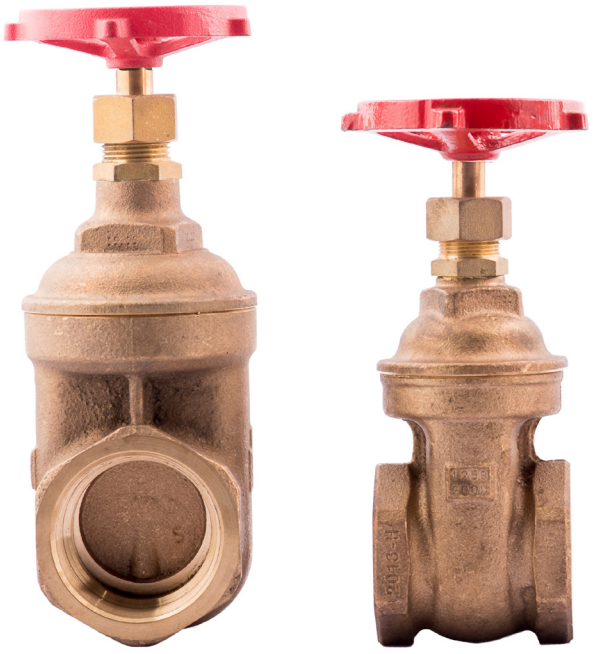
GATE VALVE: THREADED
Brass

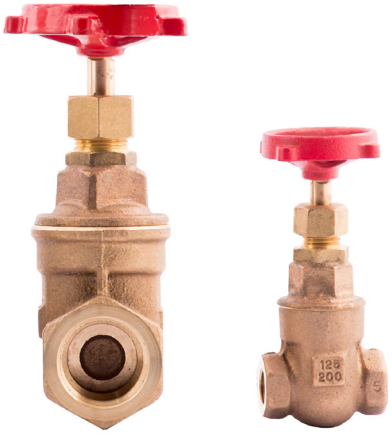
FEATURES

- Full port 200WOG gate valve
- Non-rising stem
- Disc: ASTM B62
- Body: ASTM B62
- Threaded bonnet
- Gland packed
- NPT threaded end connections Class 125
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Test standard: MSS SP-80
- Open/close position indicator

OPTION

- Padlocking device
- Graduated open/close position indicator





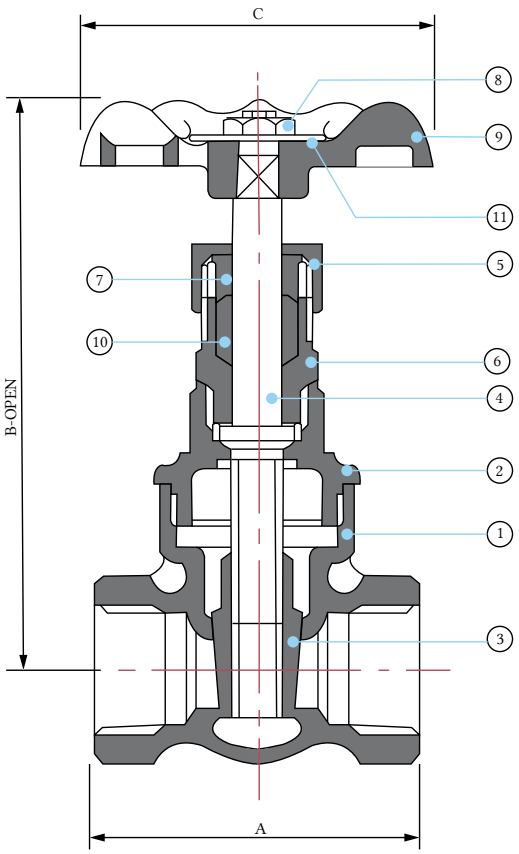
GATE VALVE: THREADED
Brass

DIMENSIONS				
SIZE	A	B	C	CV
¼"	44.5	92.1	50.8	5.6
⅜"	46.1	92.1	50.8	10.7
½"	50.8	92.1	50.8	17.6
¾"	54	111.1	63.5	32
1"	65.1	127	69.9	54
1 ¼"	70.6	135	79.4	97
1 ½"	71.5	161.1	88.9	135
2"	84.2	188.9	95.3	230
2 ½"	106.4	231.8	120.7	337
3"	117.5	265.9	133.4	536
4"*	139.7	393.7	133.4	960
	** 4" Split Wedge & Bolted Bonnet – does not conform to MSS SP-80*			

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	BRONZE ASTM B62	1
2	BONNET	BRONZE ASTM B62	1
3	WEDGE	BRONZE ASTM B62	1
4	STEM	BRONZE ASTM B62	1
5	STUFF NUT	BRASS ASTM B283 C37700	1
6	CHECK NUT	BRASS ASTM B283 C37700	1
7*	GLAND	BRASS ASTM B283 C37700	1
8	WHEEL NUT	BRASS	1
9	HAND WHEEL	MALLEABLE IRON	1
10	PACKING	GRAPHITE	1
11	NAME PLATE	ALUMINUM	1

** No 7: not applicable if 1/2" or smaller.*



THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GATE VALVE NRS: FLANGED X FLANGED – CLASS 150 (B16.24/B16.10)

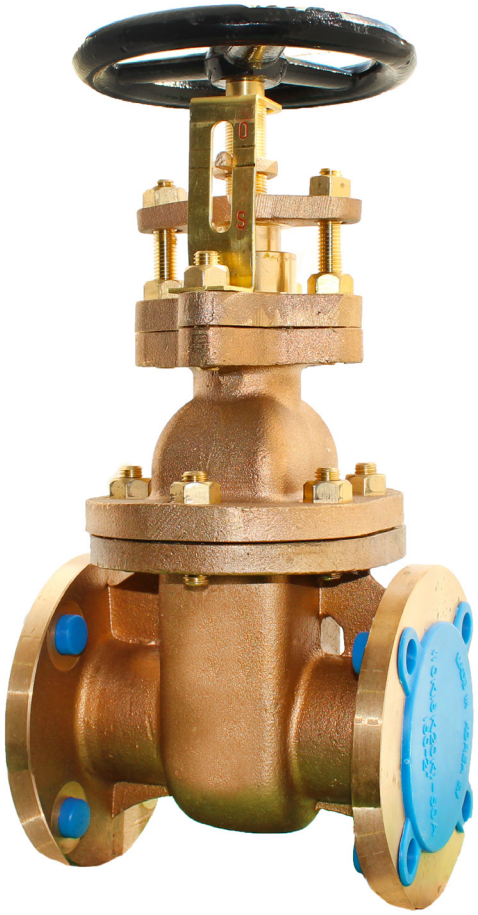
Brass

FEATURES

- Full port Class 150 gate valve
- Non-rising stem (NRS) bolted bonnet
- Disc: ASTM B62
- Body: ASTM B62
- Stem: high tensile bronze
- Packing gland: ASTM B62
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Face to face: ANSI B16.10
- Flange: Class 150 ANSI 16.24
- Open/close position indicator

OPTION

- Padlocking device
- Graduated open/close position indicator
- Sampling device



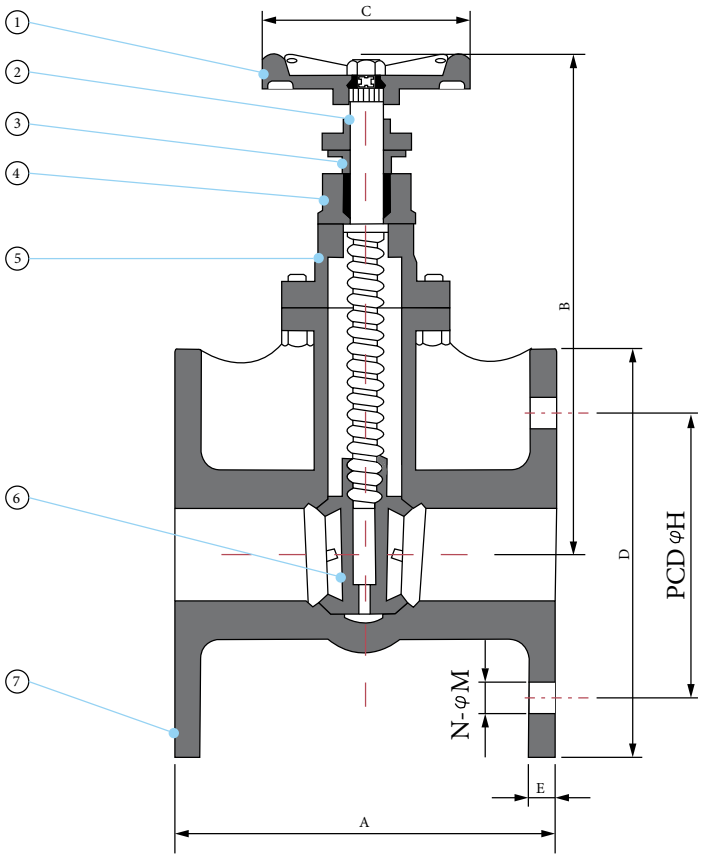
These valves are also available in cast steel; dimensions can be specified in Metric, U.S. Standard or JIS.

GATE VALVE NRS: FLANGED X FLANGED – CLASS 150 (B16.24/B16.10)
Brass

DIMENSIONS								
SIZE	A	B	C	D	E	N	M	H
1 ½”	165	228.6	165	127	11	4	15.7	98.5
2”	177.8	279.4	177.8	152.4	16	4	19	120.5
2 ½”	190.5	317.5	177.8	177.8	17.5	4	19	139.5
3”	203.2	342.9	203.2	190.5	19	4	19	152.5
3 ½”	215.9	368.3	228.6	215.9	22	8	19	177.8
4”	228.6	400	254	228.6	24	8	19	190.5
5”	254	431.8	254	254	24	8	22.3	216.5
6”	266.7	533.4	304.8	279.4	25.4	8	22.3	241.5
8”	292.1	635	355.6	342.9	28.5	8	22.3	298.5
10”	330.2	736.6	406.4	406.4	30	12	25.4	362
12”	355.6	876.3	457.2	482.6	31.75	12	25.4	432

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	HAND WHEEL	STEEL ALLOY	1
2	SPINDLE	HIGH TENSILE BRONZE	1
3	PACKING GLAND	BRONZE ASTM B62	1
4	STUFFING BOX	BRONZE ASTM B62	1
5	BONNET	BRONZE ASTM B62	1
6	WEDGE	BRONZE ASTM B62	1
7	BODY	BRONZE ASTM B62	1



THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GATE VALVE RS: FLANGED X FLANGED – CLASS 150 (B16.24/B16.10)

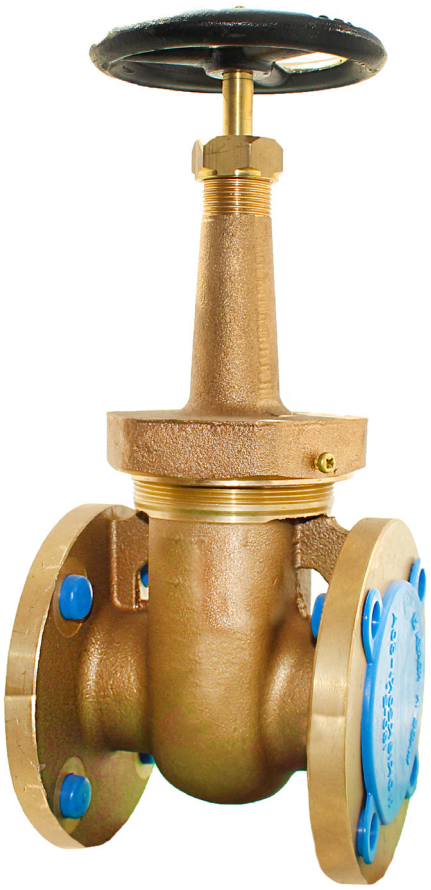
Brass

FEATURES

- Full port Class 150 gate valve
- Rising stem (RS) union bonnet
- Disc: ASTM B62
- Body: ASTM B62
- Stem: ASTM B124
- Packing: PTFE
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Face to face: ANSI B16.10
- Flange: Class 150 ANSI 16.24
- Open/close position indicator

OPTION

- Padlocking device
- Graduated open/close position indicator
- Sampling device



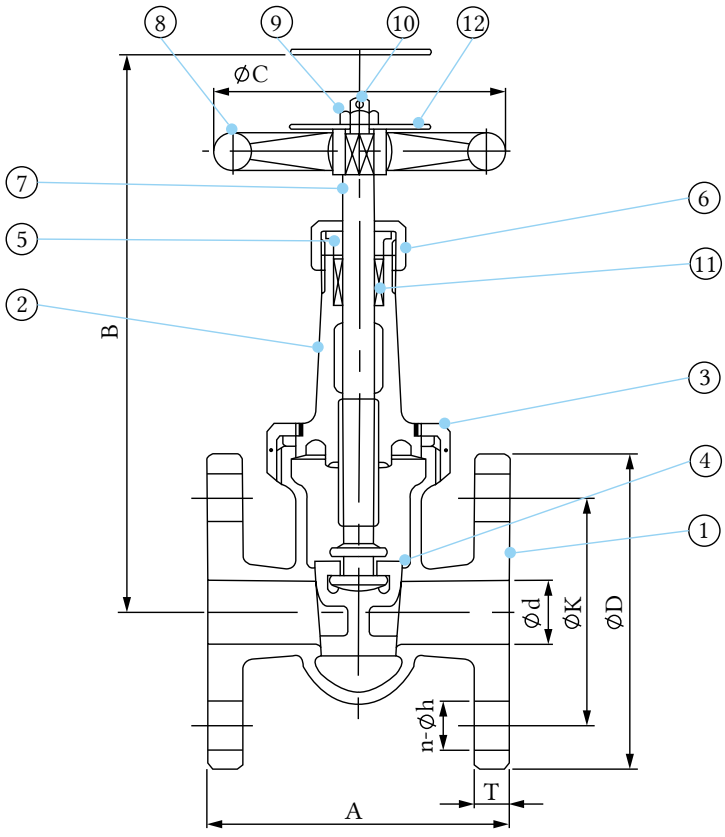
These valves are also available in cast steel; dimensions can be specified in Metric, U.S. Standard or JIS.

GATE VALVE RS: FLANGED X FLANGED – CLASS 150 (B16.24/B16.10)
Brass

DIMENSIONS									
SIZE	d	A	D	K	n	h	T	B	C
½"	15	108	88.9	60.3	4	15.9	7.9	175	80
¾"	20	117	98.4	69.9	4	15.9	8.7	200	80
1"	25	127	108	79.4	4	15.9	9.5	220	100
1 ¼"	32	140	117.5	88.9	4	15.9	10.3	250	100
1 ½"	40	165	127	98.4	4	15.9	11.1	290	125
2"	50	177.8	152.4	120.7	4	19	12.7	320	125
2 ½"	65	190.5	177.8	139.7	4	19	14.3	350	140
3"	80	203.2	190.5	152.4	4	19	15.9	380	140

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	BRONZE ASTM B62	1
2	BONNET	BRONZE ASTM B62	1
3	BONNET NUT	BRONZE ASTM B62	1
4	DISC	BRONZE ASTM B62	1
5	PACKING GLAND	ASTM B16	1
6	PACKING GLAND NUT	FORGED BRASS	1
7	STEM	ASTM B124	1
8	HAND WHEEL	ASTM A126	1
9	HEXAGON NUT	ASTM B16	1
10	SPLIT PIN	BRASS	1
11	PACKING	PTFE	1
12	NAME PLATE	ALUMINUM	1



THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

THERMOFLEX
SINCE 1982

Section E

GLOBE VALVES
Stainless Steel

THERMOFLEX
SINCE 1982

1-888-352-3414
www.thermoflex.ca

GLOBE VALVE: THREADED
Stainless Steel

FEATURES

- 200WOG globe valve
- Working pressure: 200PSI
- Rising stem
- Disc: ASTM A351 CF8M
- Body: ASTM A351 CF8M
- Seat: 316SS
- Threaded bonnet
- Adjustable stem packing
- NPT threaded end connections
- Temperature range: -58°F to 350°F (-50°C to 176°C)
- Test standard: API 598
- Open/close position indicator

OPTION

- Padlocking device
- Graduated open/close position indicator







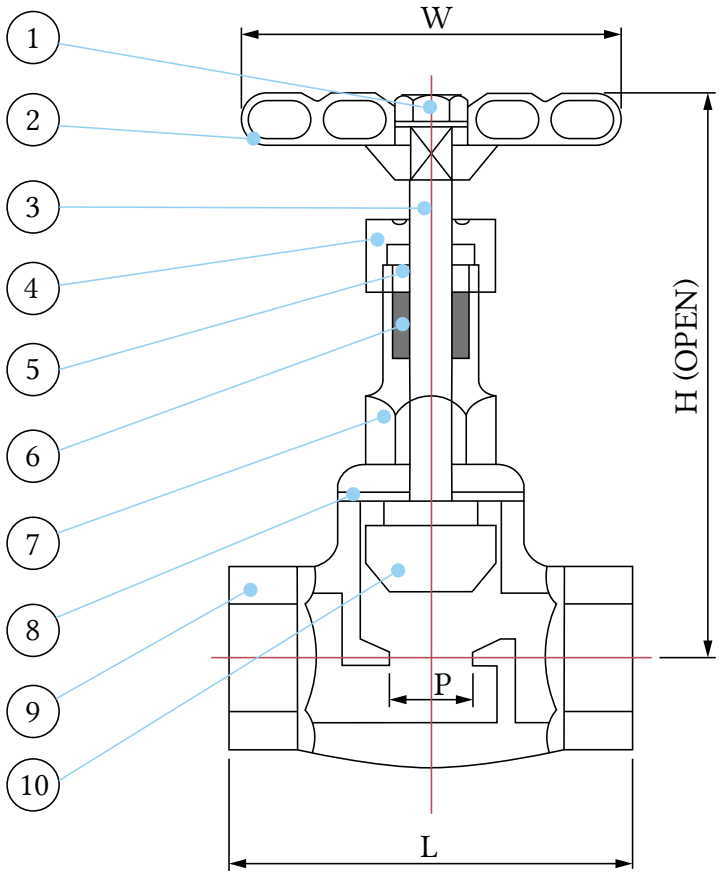


GLOBE VALVE: THREADED
Stainless Steel

DIMENSIONS						
SIZE	P	W	H	L	CV	WT
¼"	10	60	102	52	1	0.73
⅜"	12	60	102	52	1.5	0.68
½"	12	70	95	66	2.5	0.93
¾"	15	70	99	68.5	5.6	1
1"	20	76.5	102	78.3	10.5	1.37
1 ¼"	25	103.5	126	86	17	2.31
1 ½"	33	103.5	136	98	25	3
2"	40	121	156	110.5	46	4.63

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	NUT	304SS	1
2	HANDWHEEL	400SS	1
3	STEM	ASTM A276 316SS	1
4	GLAND NUT	ASTM A351 CF8M	1
5	GLAND	ASTM A351 CF8M	1
6	GLAND PACKING	PTFE	1
7	BONNET	ASTM A351 CF8M	1
8	GASKET	PTFE	1
9	BODY	ASTM A351 CF8M	1
10	DISC	ASTM A351 CF8M	1



THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

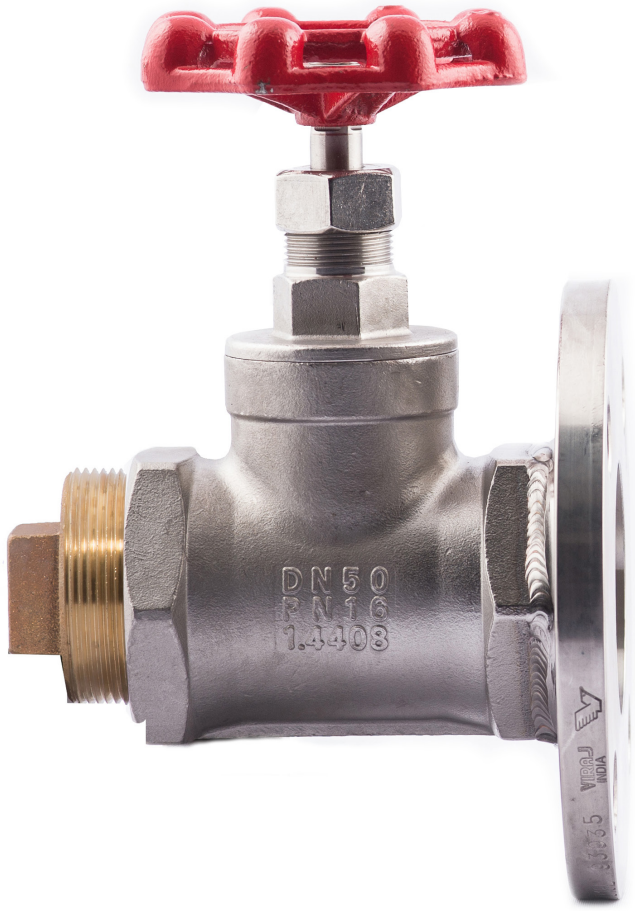
DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GLOBE VALVE: THREADED X FLANGED (B16.5)

Stainless Steel

FEATURES

- 200WOG globe valve
- Working pressure: 200PSI*
- Rising stem
- Disc: ASTM A351 CF8M
- Body: ASTM A351 CF8M
- Seat: 316SS
- Threaded bonnet
- Flange: 316SS Class 150 ANSI B16.5
- Square-head pipe plug: brass
- Adjustable stem packing
- Temperature range: -58°F to 350°F (-50°C to 176°C)
- Test standard: API 598
- Open/close position indicator



OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS
- Padlocking device
- Graduated open/close position indicator

** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

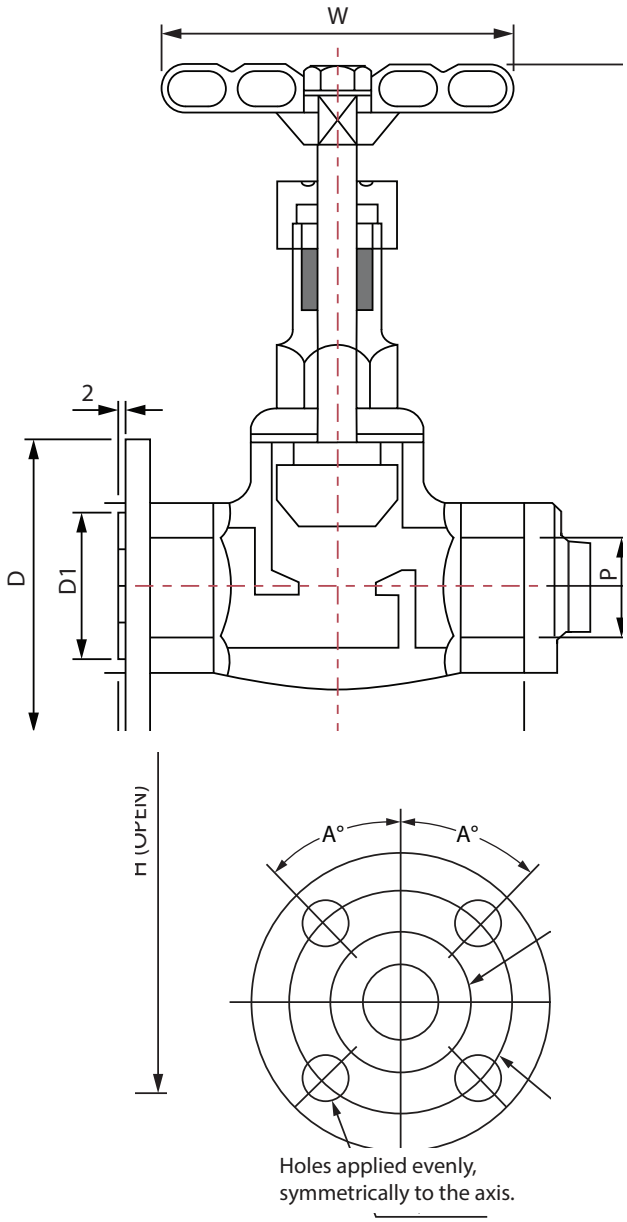
GLOBE VALVE: THREADED X FLANGED (B16.5)

Stainless Steel

DIMENSIONS											
SIZE	L+/-5	D	K	D1	H	N	D2	P	W	T	a
½"	77	89	60.4	35	66	4	16	NPT ½"	70	11.2	45
¾"	81	98.5	70	42.9	99	4	16	NPT ¾"	70	12.7	45
1"	92.5	108	79	50.8	102	4	16	NPT 1"	76.5	14.2	45
1 ½"	115	127	99	73.1	136	4	16	NPT 1 ½"	103.5	17.2	45
2"	130	152.4	120.6	92	156	4	19	NPT 2"	121	19	45

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	NUT	304SS	1
2	HANDWHEEL	400SS	1
3	STEM	ASTM A276 316SS	1
4	GLAND NUT	ASTM A351 CF8M	1
5	GLAND	ASTM A351 CF8M	1
6	GLAND PACKING	PTFE	1
7	BONNET	ASTM A351 CF8M	1
8	GASKET	PTFE	1
9	BODY	ASTM A351 CF8M	1
10	DISC	ASTM A351 CF8M	1
11	PIPE PLUG	BRASS	1
12	FLANGE	316SS	1



THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GLOBE VALVE: THREADED X FLANGED (B16.24)

Stainless Steel

FEATURES

- 200WOG globe valve
- Working pressure: 200PSI*
- Rising stem
- Disc: ASTM A351 CF8M
- Body: ASTM A351 CF8M
- Seat: 316SS
- Threaded bonnet
- Flange: 316SS Class 150 ANSI B16.24
- Square-head pipe plug: brass
- Adjustable stem packing
- Temperature range: -58°F to 350°F (-50°C to 176°C)
- Test standard: API 598
- Open/close position indicator



OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS
- Padlocking device
- Graduated open/close position indicator

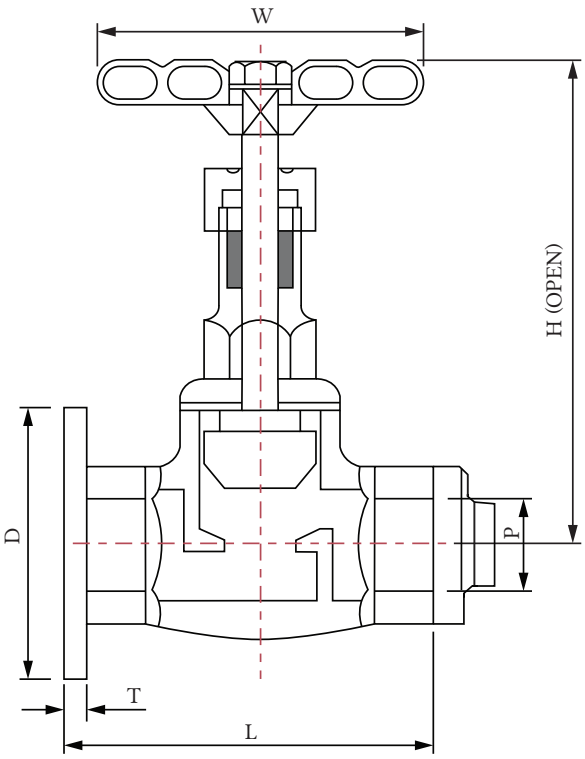
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

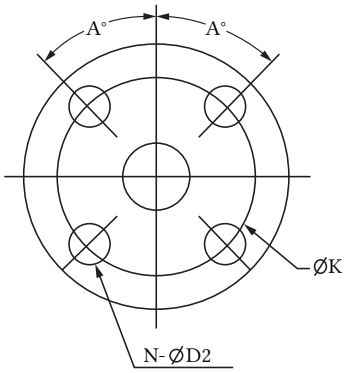
GLOBE VALVE: THREADED X FLANGED (B16.24)
Stainless Steel

DIMENSIONS										
SIZE	L+/-5	D	K	H	N	D2	P	W	T min	a
½"	74	89	60.4	66	4	16	NPT ½"	70	8	45
¾"	77	98.5	70	99	4	16	NPT ¾"	70	8.75	45
1"	88	108	79	102	4	16	NPT 1"	76.5	9.5	45
1 ½"	109	127	99	136	4	16	NPT 1 ½"	103.5	11	45
2"	124	152.4	120.6	156	4	19	NPT 2"	121	12.75	45

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	NUT	304SS	1
2	HANDWHEEL	400SS	1
3	STEM	ASTM A276 316SS	1
4	GLAND NUT	ASTM A351 CF8M	1
5	GLAND	ASTM A351 CF8M	1
6	GLAND PACKING	PTFE	1
7	BONNET	ASTM A351 CF8M	1
8	GASKET	PTFE	1
9	BODY	ASTM A351 CF8M	1
10	DISC	ASTM A351 CF8M	1
11	PIPE PLUG	BRASS	1
12	FLANGE	316SS	1





Holes applied evenly, symmetrically to the axis.

THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GLOBE VALVE: THREADED X FLANGED (B16.5) SAMPLER

Stainless Steel

FEATURES

- 200WOG globe valve
- Working pressure: 200PSI*
- Rising stem
- Disc: ASTM A351 CF8M
- Body: ASTM A351 CF8M
- Seat: 316SS
- Threaded bonnet
- Flange: 316SS Class 150 ANSI B16.5
- Sampler: 3/8” 304SS
- Square-head pipe plug: brass
- Adjustable stem packing
- Temperature range: -58°F to 350°F (-50°C to 176°C)
- Test standard: API 598
- Open/close position indicator



OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS
- Padlocking device
- Graduated open/close position indicator

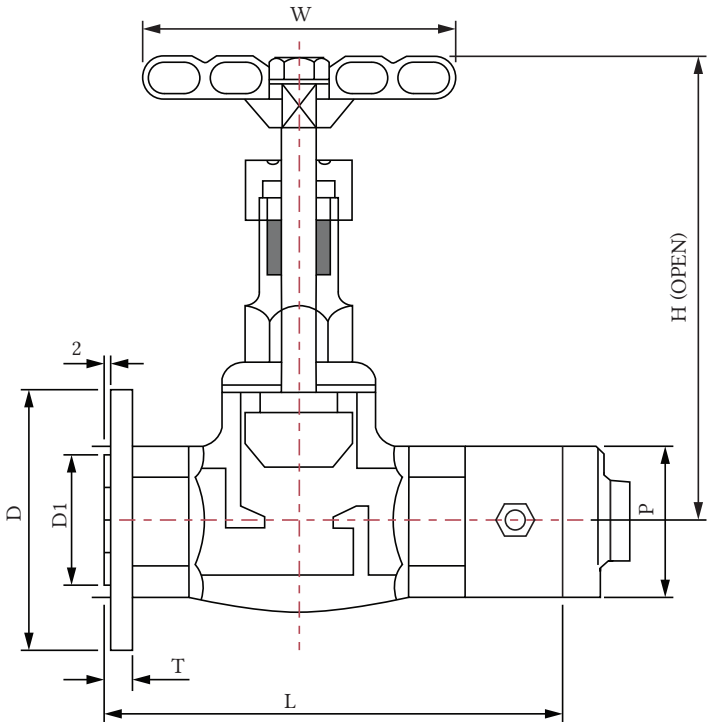
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

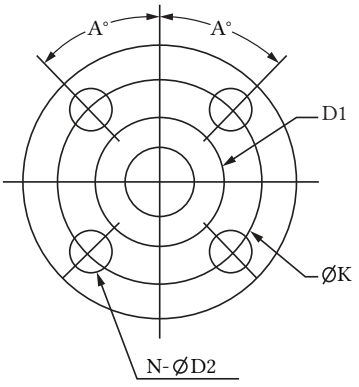
GLOBE VALVE: THREADED X FLANGED (B16.5) SAMPLER
Stainless Steel

DIMENSIONS											
SIZE	L+/-5	D	K	D1	H	N	D2	P	W	T	a
1"	136.5	108	79	50.8	102	4	16	NPT 1"	76.5	14.2	45
1 ½"	164	127	99	73.1	136	4	16	NPT 1 ½"	103.5	17.2	45
2"	187	152.4	120.6	92	156	4	19	NPT 2"	121	19	45

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	NUT	304SS	1
2	HANDWHEEL	400SS	1
3	STEM	ASTM A276 316SS	1
4	GLAND NUT	ASTM A351 CF8M	1
5	GLAND	ASTM A351 CF8M	1
6	GLAND PACKING	PTFE	1
7	BONNET	ASTM A351 CF8M	1
8	GASKET	PTFE	1
9	BODY	ASTM A351 CF8M	1
10	DISC	ASTM A351 CF8M	1
11	PIPE PLUG	BRASS	1
12	FLANGE	316SS	1
13	SAMPLER	304SS	1
14	EXTENSION	316SS	1





Holes applied evenly, symmetrically to the axis.

THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GLOBE VALVE: THREADED X FLANGED (B16.24) SAMPLER

Stainless Steel

FEATURES

- 200WOG globe valve
- Working pressure: 200PSI*
- Rising stem
- Disc: ASTM A351 CF8M
- Body: ASTM A351 CF8M
- Seat: 316SS
- Threaded bonnet
- Flange: 316SS Class 150 ANSI B16.24
- Sampler: 3/8” 304SS
- Square-head pipe plug: brass
- Adjustable stem packing
- Temperature range: -58°F to 350°F (-50°C to 176°C)
- Test standard: API 598
- Open/close position indicator



OPTION

- Square-head pipe plug: available in 304SS/316SS
- Flange: available in 304SS
- Padlocking device
- Graduated open/close position indicator

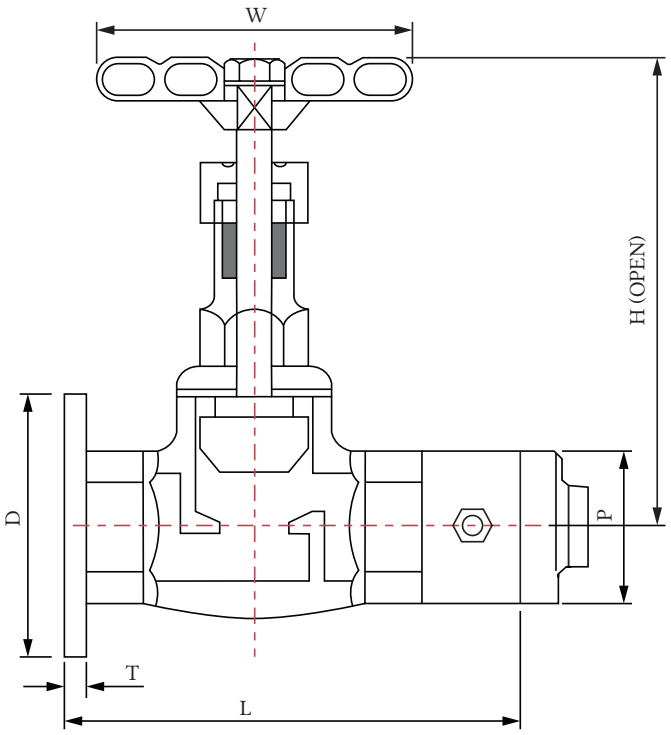
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

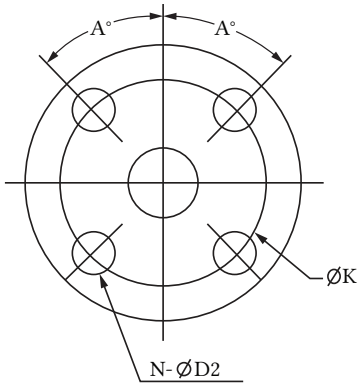
GLOBE VALVE: THREADED X FLANGED (B16.24) SAMPLER
Stainless Steel

DIMENSIONS										
SIZE	L+/-5	D	K	H	N	D2	P	W	T	a
1"	132	108	79	102	4	16	NPT 1"	76.5	9.5	45
1 ½"	158	127	99	136	4	16	NPT 1 ½"	103.5	11	45
2"	181	152.4	120.6	156	4	19	NPT 2"	121	12.75	45

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	NUT	304SS	1
2	HANDWHEEL	400SS	1
3	STEM	ASTM A276 316SS	1
4	GLAND NUT	ASTM A351 CF8M	1
5	GLAND	ASTM A351 CF8M	1
6	GLAND PACKING	PTFE	1
7	BONNET	ASTM A351 CF8M	1
8	GASKET	PTFE	1
9	BODY	ASTM A351 CF8M	1
10	DISC	ASTM A351 CF8M	1
11	PIPE PLUG	BRASS	1
12	FLANGE	316SS	1
13	SAMPLER	304SS	1
14	EXTENSION	316SS	1





Holes applied evenly, symmetrically to the axis.

THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

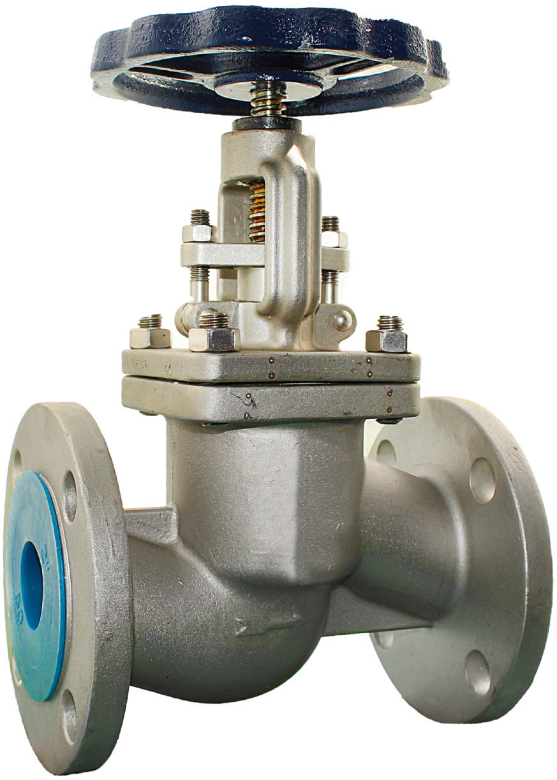
DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GLOBE VALVE: FLANGED X FLANGED – CLASS 150 (B16.5/B16.10)

Stainless Steel

FEATURES

- Class 150 globe valve
- Steam rating: 125PSI WSP
- Rising stem OS&Y
- Disc: ASTM A351 CF8M
- Body: ASTM A351 CF8M
- Stem: 316SS
- Packing: PTFE
- Temperature range: -58°F to 450°F (-50°C to 232°C)
- Test standard: API 598
- Face to face: ANSI B16.10
- Flange: Class 150 ANSI B16.5
- Open/close position indicator
- NACE MR-0175 full compliance



OPTION

- Padlocking device
- Graduated open/close position indicator
- Class 300

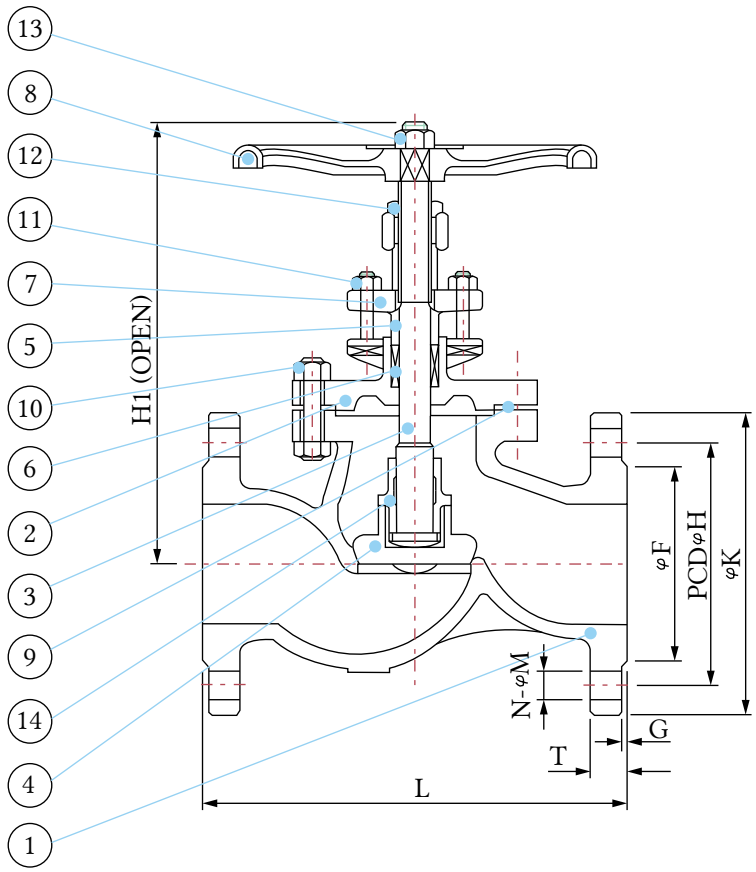
These valves are also available in cast steel; dimensions can be specified in Metric, U.S. Standard or JIS.

GLOBE VALVE: FLANGED X FLANGED – CLASS 150 (B16.5/B16.10)
Stainless Steel

DIMENSIONS												
SIZE	d	L	H1	K	H	F	T	G	M	N	CV	WT
½"	15	108	172	89	60.5	35	11.2	1.6	15.7	4	5	6.5
¾"	20	117	172	98.5	70	43	11.2	1.6	15.7	4	8.5	7.75
1"	25	127	175	108	79.5	51	11.2	1.6	15.7	4	11	9.75
1 ¼"	32	140	223	117.5	89	64	12.7	1.6	15.7	4	16	15
1 ½"	40	165	207	127	98.5	73	14.3	1.6	15.7	4	19	17.5
2"	50	203	232	152.5	120.5	92	15.9	1.6	19	4	32	25
2 ½"	65	216	273	178	139.5	105	17.5	1.6	19	4	48	37.5
3"	80	241	303	190.5	152.5	127	19.1	1.6	19	4	80	45
4"	100	292	340	229	190.5	157	23.9	1.6	19	8	110	68.25
5"	125	356	385	254	216.5	186	23.9	1.6	22.3	8	190	99
6"	150	406	448	279.5	241.5	216	25.4	1.6	22.3	8	450	132
8"	200	495	545	343	298.5	270	28.6	1.6	22.3	8	800	220
10"	250	622	666	406.5	362	324	30.2	1.6	25.4	12	1200	380

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	ASTM A351 CF8M	1
2	BONNET	ASTM A351 CF8M	1
3	STEM	ASTM A276 316	1
4	DISC	ASTM A351 CF8M	1
5	GLAND	ASTM A351 CF8M	1
6	GLAND PACKING	PTFE	1
7	GLAND FLANGE	ASTM A351 CF8M	1
8	HAND WHEEL	ASTM A536 B65-45-12	1
9	GASKET	PTFE	1
10	BONNET BOLT/NUT	ASTM A193 B8/ ASTM A194 GR8	4-16
11	GLAND BOLT/NUT	ASTM A193 B8/ ASTM A194 GR8	2
12	YOKE SLEEVE	BRONZE	1
13	HAND WHEEL NUT	STEEL	1
14	DISC GLAND	316SS	1
15	LOCKING DEVICE OPTION*	304SS	1



THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

THERMOFLEX
SINCE 1982

Section F

GLOBE VALVES

Brass

THERMOFLEX
SINCE 1982

1-888-352-3414
www.thermoflex.ca

GLOBE VALVE: THREADED
Brass

FEATURES

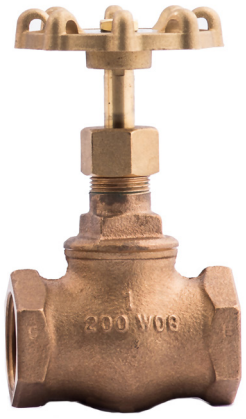
- 200WOG globe valve
- Rising stem
- Disc: teflon
- Body: ASTM B62
- Threaded bonnet
- Gland packed
- NPT threaded end connections Class 125
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Test standard: MSS SP-80
- Open/close position indicator



OPTION

- Padlocking device
- Graduated open/close position indicator



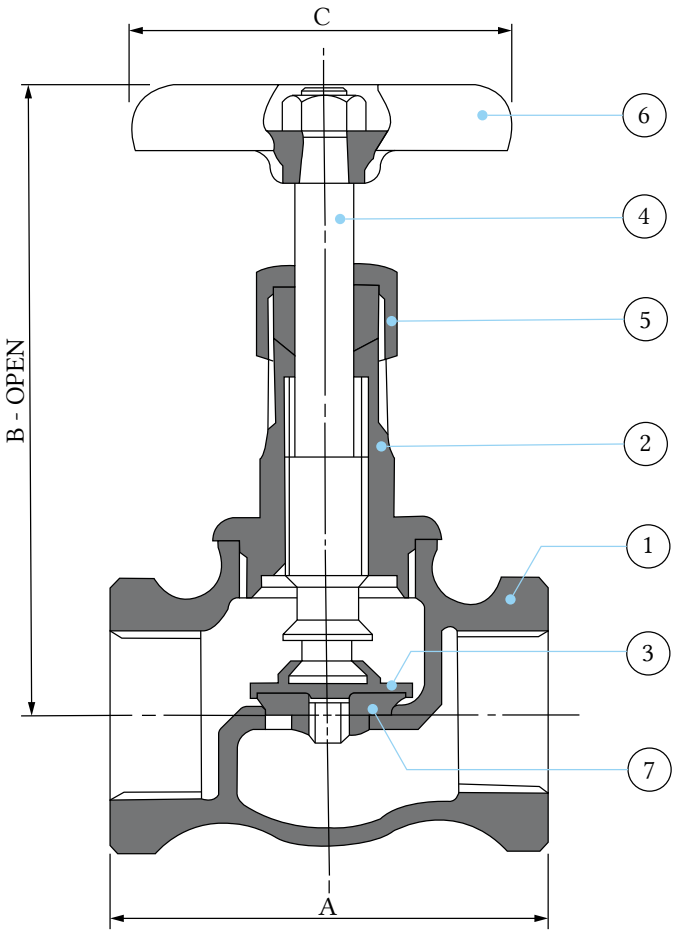


GLOBE VALVE: THREADED
Brass

DIMENSIONS			
SIZE	A	B	C
½”	51.6	92	54
¾”	65	84	70
1”	74.6	111	70
1 ½”	93.6	146	95
2”	112.7	171.5	101.6

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	BRONZE ASTM B62	1
2	BONNET	BRONZE ASTM B62	1
3	DISC HOLDER	BRASS ASTM B283 C37700	1
4	STEM	BRASS ASTM B283 C37700	1
5	STUFF NUT	BRASS ASTM B283 C37700	1
6	HAND WHEEL	BRONZE ASTM B62	1
7	DISC	PTFE	1
8	NAME PLATE	ALUMINUM	1



THERMOFLEX SINCE 1982
Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GLOBE VALVE: THREADED SAMPLER
Brass

FEATURES

- 200WOG globe valve
- Rising stem
- Disc: teflon
- Body: ASTM B62
- Threaded bonnet
- Gland packed
- NPT threaded end connections Class 125
- 3/8” sampler boss
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Test standard: MSS SP-80
- Open/close position indicator



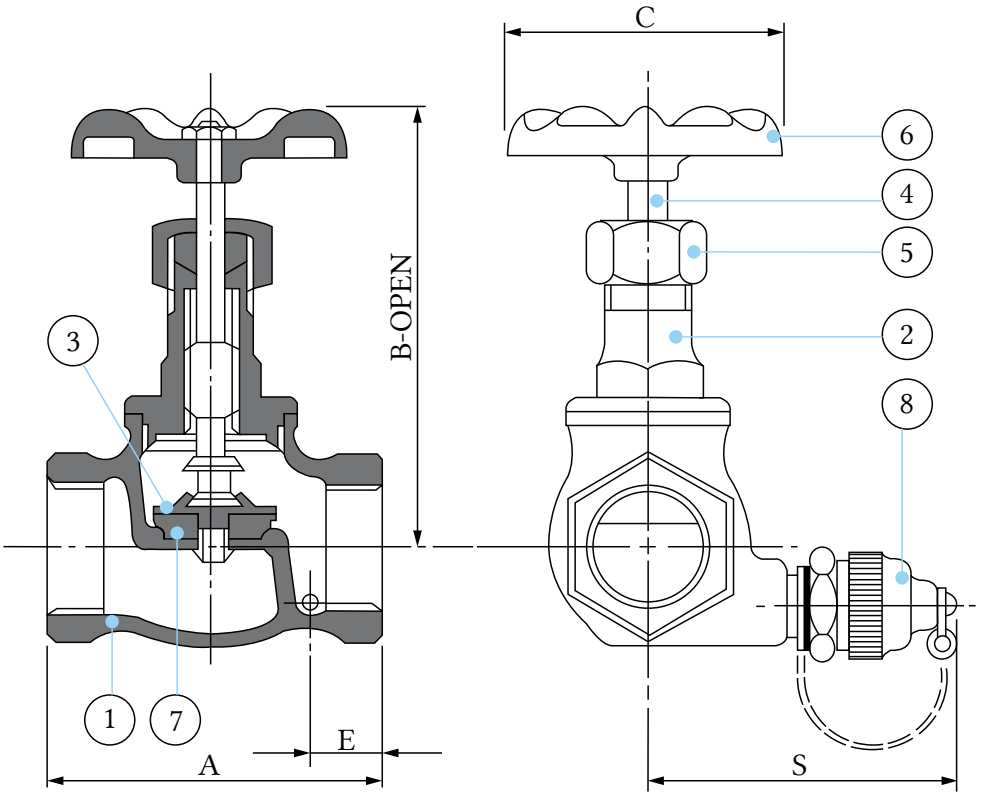
OPTION

- Padlocking device
- Graduated open/close position indicator
- 3/8” brass sampling device
- 3/8” brass pipe plug

GLOBE VALVE: THREADED SAMPLER
Brass

DIMENSIONS					
SIZE	A	B	C	S	E
1”	74.6	111	70	81	17.5
1 ½”	93.6	146	95.25	87.3	19
2”	112.7	171.5	108	93	20.6

** All dimensions recorded in millimeters*



MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	BRONZE ASTM B62	1
2	BONNET	BRONZE ASTM B62	1
3	DISC HOLDER	BRASS ASTM B283 C37700	1
4	STEM	BRASS ASTM B283 C37700	1
5	STUFF NUT	BRASS ASTM B283 C37700	1
6	HAND WHEEL	BRONZE ASTM B62	1
7	DISC	PTFE	1
8	NAME PLATE	ALUMINUM	1
9	SAMPLING DEVICE OPTION*	BRASS PRECISION MACHINED	1

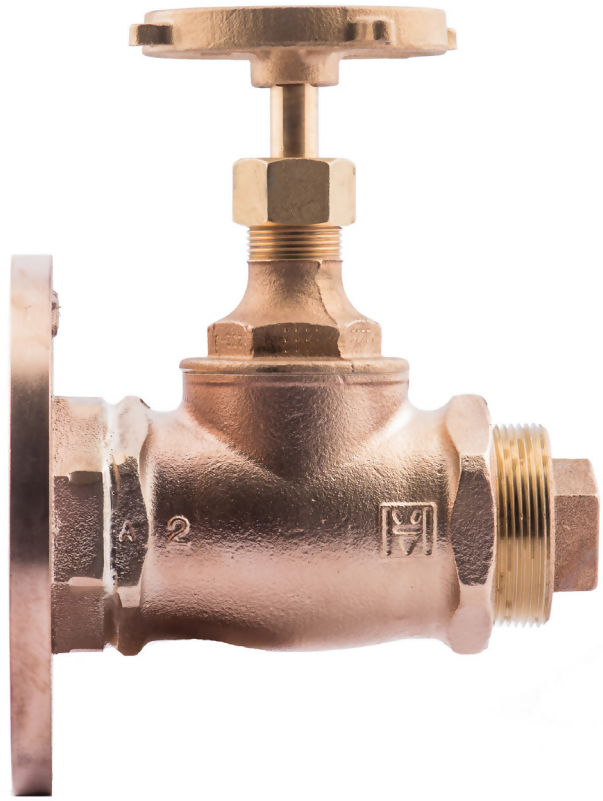
DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GLOBE VALVE: THREADED X FLANGED (B16.24)

Brass

FEATURES

- 200WOG globe valve
- Rising stem
- Disc: teflon
- Body: ASTM B62
- Threaded bonnet
- Gland packed
- Flange: brass/cast bronze Class 150 ANSI 16.24
- Square head pipe plug: brass
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Test standard: MSS SP-80
- Open/close position indicator



OPTION

- Padlocking device
- Graduated open/close position indicator

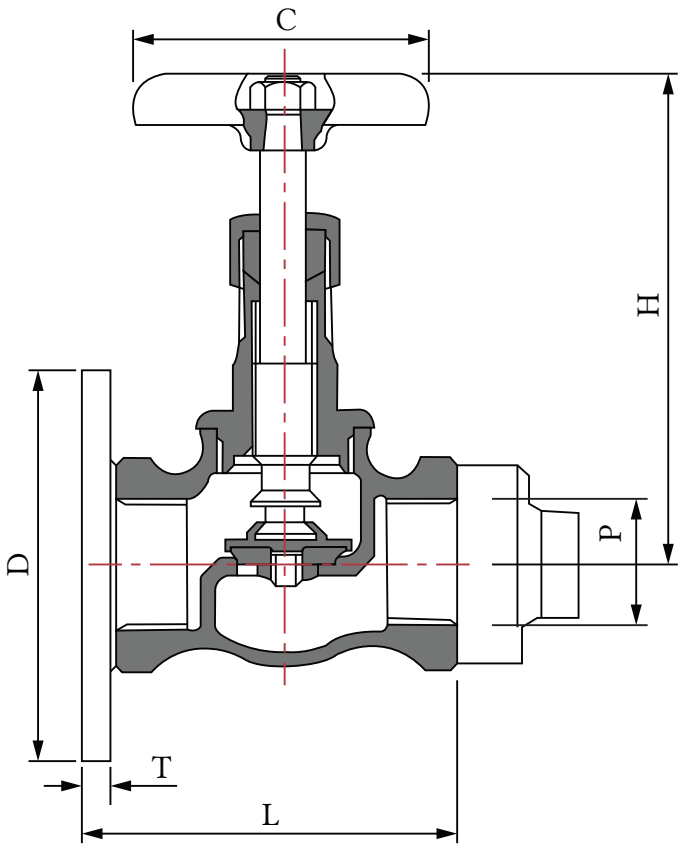
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

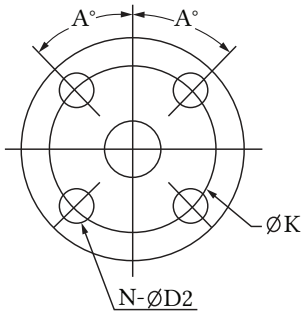
GLOBE VALVE: THREADED X FLANGED (B16.24)
Brass

DIMENSIONS										
SIZE	L+/-5	D	K	H	N	D2	P	C	T min	a
½"	81	89	60.4	92	4	16	NPT ½"	54	8	45
¾"	93	99	70	84	4	16	NPT ¾"	70	8.75	45
1"	103	108	79	111	4	16	NPT 1"	70	9.5	45
1 ½"	115	127	99	146	4	16	NPT 1 ½"	95	11	45
2"	140	152	120.6	171.5	4	19	NPT 2"	101.6	12.75	45

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	BRONZE ASTM B62	1
2	BONNET	BRONZE ASTM B62	1
3	DISC HOLDER	BRASS ASTM B283 C37700	1
4	STEM	BRASS ASTM B283 C37700	1
5	STUFF NUT	BRASS ASTM B283 C37700	1
6	HAND WHEEL	BRONZE ASTM B62	1
7	DISC	PTFE	1
8	NAME PLATE	ALUMINUM	1





Holes applied evenly, symmetrically to the axis.

THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

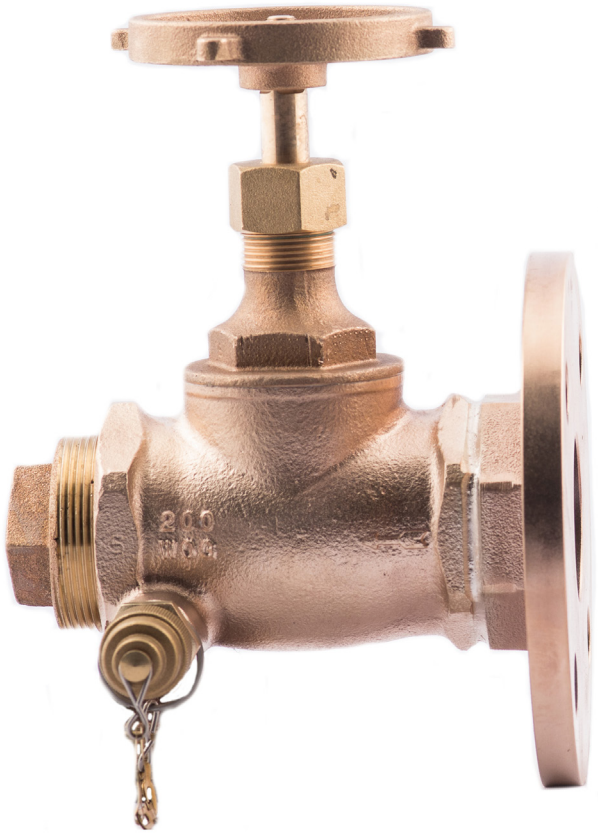
DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GLOBE VALVE: THREADED X FLANGED (B16.24) SAMPLER

Brass

FEATURES

- 200WOG globe valve
- Rising stem
- Disc: teflon
- Body: ASTM B62
- Threaded bonnet
- Gland packed
- Flange: brass/cast bronze Class 150 ANSI 16.24
- Square head pipe plug: brass
- 3/8” sampler boss
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Test standard: MSS SP-80
- Open/close position indicator



OPTION

- Padlocking device
- Graduated open/close position indicator
- 3/8” brass sampling device
- 3/8” brass pipe plug

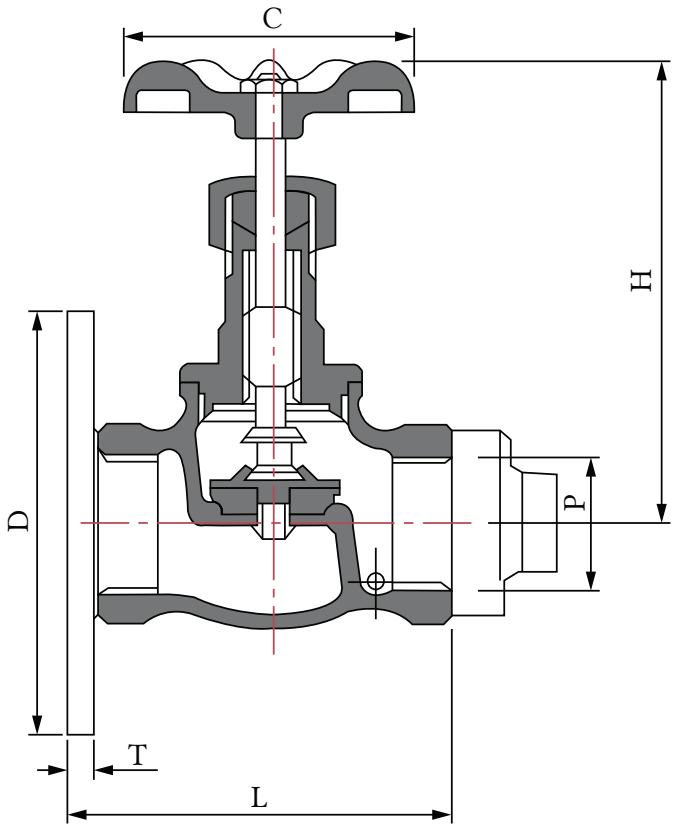
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

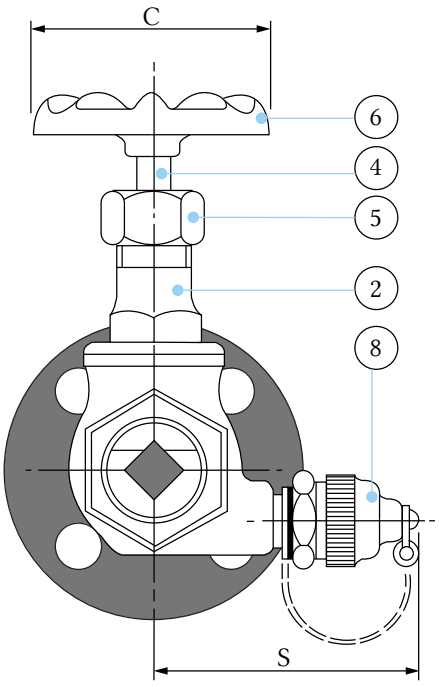
GLOBE VALVE: THREADED X FLANGED (B16.24) SAMPLER
Brass

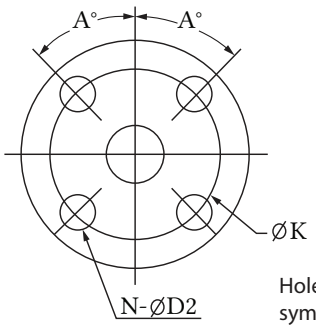
DIMENSIONS											
SIZE	L+/-5	D	K	H	N	D2	P	C	T min	a	S
1”	103	108	79	111	4	16	NPT 1”	70	9.5	45	81
1 ½”	115	127	99	146	4	16	NPT 1 ½”	95	11	45	87.3
2”	140	152	120.6	171.5	4	19	NPT 2”	101.6	12.75	45	93

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	BRONZE ASTM B62	1
2	BONNET	BRONZE ASTM B62	1
3	DISC HOLDER	BRASS ASTM B283 C37700	1
4	STEM	BRASS ASTM B283 C37700	1
5	STUFF NUT	BRASS ASTM B283 C37700	1
6	HAND WHEEL	BRONZE ASTM B62	1
7	DISC	PTFE	1
8	NAME PLATE	ALUMINUM	1
9	SAMPLING DEVICE OPTION*	BRASS PRECISION MACHINED	1







Holes applied evenly, symmetrically to the axis.

THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

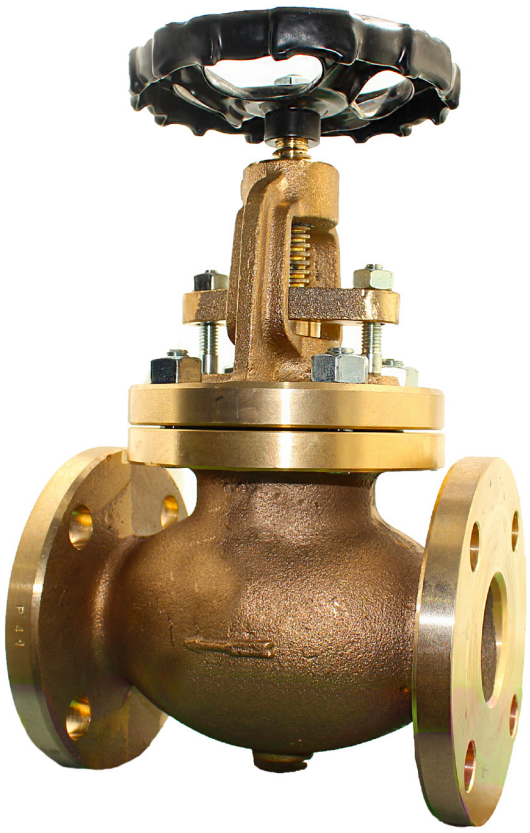
DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GLOBE VALVE OS&Y: FLANGED X FLANGED - CLASS 150 (B16.24/B16.10)

Brass

FEATURES

- Class 150 globe valve
- Rising stem (RS) bolted bonnet OS&Y
- Disc: ASTM B62
- Body: ASTM B62
- Stem: high tensile bronze
- Bonnet: ASTM B62
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Face to face: ANSI B16.10
- Flange: Class 150 ANSI 16.24
- Open/close position indicator



OPTION

- Padlocking device
- Graduated open/close position indicator
- Sampling device

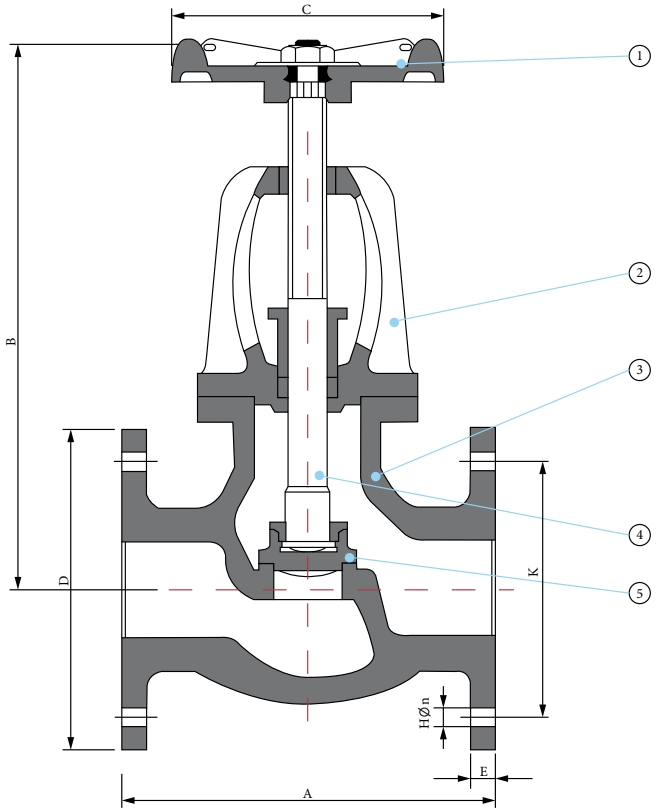
These valves are also available in cast steel; dimensions can be specified in Metric, U.S. Standard or JIS.

GLOBE VALVE OS&Y: FLANGED X FLANGED - CLASS 150 (B16.24/B16.10)
Brass

DIMENSIONS								
SIZE	A	B	C	D	E	H	n	K
½"	140	168.2	89	89	7.9	16	4	60.3
¾"	140	168.2	89	99	8.75	16	4	69.9
1"	152.4	184	101.6	108	9.5	16	4	79.4
1 ¼"	165	184	101.6	118	10.3	16	4	88.9
1 ½"	178	203.2	114	127	11	16	4	98.4
2"	203	219	140	152.4	12.7	19	4	120.7
2 ½"	216	246	140	178	14.25	19	4	139.7
3"	241	260.3	152.4	190.5	15.875	19	4	152.4
3 ½"	266.7	260.3	203.2	216	17.5	19	4	177.8
4"	292	311	203.2	228.6	17.5	19	8	190.5
5"	330.2	409.5	228.6	254	19	22	8	215.9
6"	406.4	431.8	254	279.4	20.6	22	8	241.3
8"	495	571.5	305	342.9	23.8	22	8	298.5
10"	622	673	355.5	406.4	25.4	25.4	12	362
12"	698.5	736.5	457.2	482.6	27	25.4	12	432

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	HAND WHEEL	STEEL ALLOY	1
2	BONNET	BRONZE ASTM B62	1
3	BODY	BRONZE ASTM B62	1
4	SPINDLE	HIGH TENSILE BRONZE	1
5	DISC	BRONZE ASTM B62	1



THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

GLOBE VALVE RS: FLANGED X FLANGED – CLASS 150 (B16.24/B16.10)

Brass

FEATURES

- Class 150 globe valve
- Rising stem (RS) screw bonnet
- Disc: JIS BC6
- Body: JIS BC6
- Stem: JIS 3771BD
- Packing: non-asbestos
- Temperature range: -50°F to 250°F (-45.5°C to 121°C)
- Face to face: ANSI B16.10
- Flange: Class 150 ANSI 16.24
- Open/close position indicator

OPTION

- Padlocking device
- Graduated open/close position indicator
- Sampling device



These valves are also available in cast steel; dimensions can be specified in Metric, U.S. Standard or JIS.

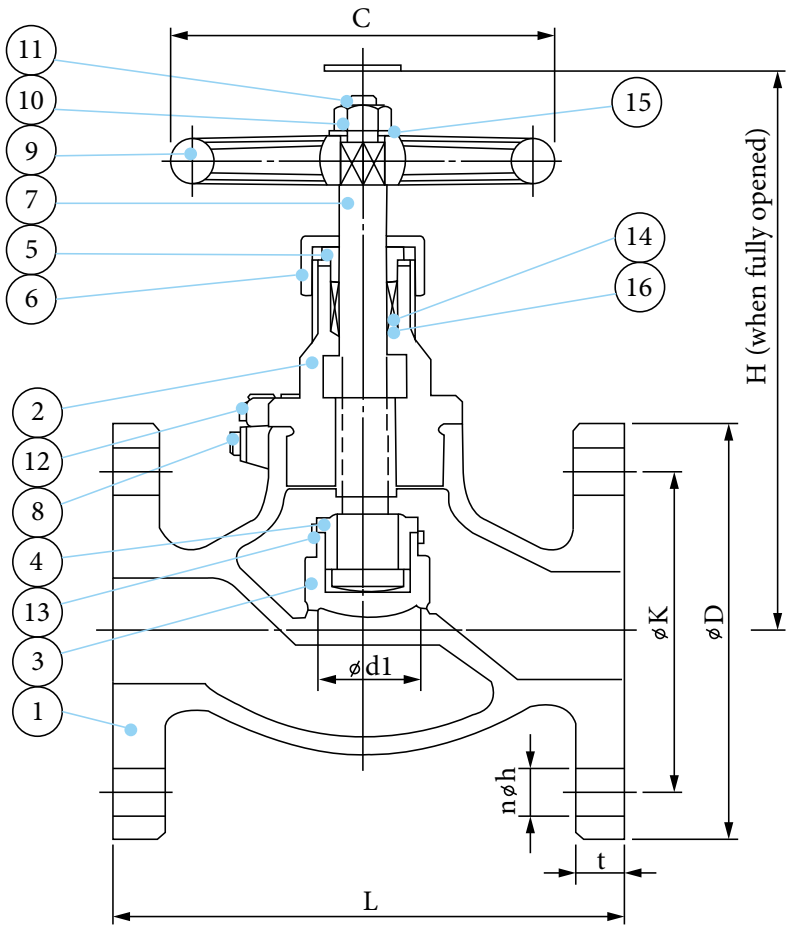
** Flanged assemblies: the pressure capacity of valve and flange assembly is restricted to the flange and not the valve.*

GLOBE VALVE RS: FLANGED X FLANGED – CLASS 150 (B16.24/B16.10)
Brass

DIMENSIONS								
SIZE	D1	D	L	K	n	h	t	C
½"	20	89	108	60.3	4	15.9	7.9	48
¾"	25	98	118	69.9	4	15.9	8.7	48
1"	30	108	127	79.4	4	15.9	9.5	55
1 ¼"	37	117	140	88.9	4	15.9	10.3	68
1 ½"	45	127	165	98.4	4	15.9	11.1	68

** All dimensions recorded in millimeters*

MATERIALS LIST			
No	PART	MATERIAL	QTY
1	BODY	BC6	1
2	BONNET	BC6	1
3	DISC	BC6	1
4	DISC NUT	C3771BD	1
5	PACKING GLAND	C3771BD	1
6	PACKING GLAND NUT	C3604BD	1
7	STEM	C3771BD	1
8	SET SCREW	C2700W	2
9	HANDWHEEL	FC200	1
10	HEXAGON NUT	C3604BD	1
11	SPLIT PIN	C2600W	1
12	LOCK PLATE	C2600P	1
13	DISC LOCK WASHER	C2600P	1
14	PACKING	NON ASBESTOS	1
15	NAME PLATE	C2801P	1
16	BONNET BUSH	C3771BD	1



THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

THERMOFLEX
SINCE 1982

Section G

EXPANSION JOINTS

THERMOFLEX
SINCE 1982

1-888-352-3414
www.thermoflex.ca

EXPANSION JOINTS



Expansion joints are designed to relieve stress in piping and ducting systems by absorbing dimensional changes on the axial plane caused by thermal expansion and vibration.

Due to the numerous applications and specification options, we've developed this checklist of information required to proceed with your request.

APPLICATION: Identify what will flow through the expansion joint(s): *(check one)*

☐ Water ◯ Oil ◯ Gas ◯ Other *(specify):* _____

Is this for an ☐ existing or ◯ new installation? *(check one)*

Is there an overall length restriction? ☐ Yes ◯ No

If yes, specify: _____ inches or _____ mm

**Overall length restriction may limit capacity to achieve desired axial compression/expansion.*

Should the length be designed in function of the desired movement(s)? ☐ Yes ◯ No

SPECIFY SYSTEM PRESSURE:

Design pressure: _____ PSI Operating pressure: _____ PSI

SPECIFY SYSTEM TEMPERATURE:

Design temperature: _____ ºF or _____ ºC

Operating temperature: _____ ºF or _____ ºC

END CONNECTIONS:

Flange(s): ☐ ANSI B16.5 ◯ Metric ◯ Made-to-measure *(attach drawing)*
◯ Other *(specify)* _____

Material: ◯ Carbon steel ◯ 304SS ◯ 316SS
☐ Other *(specify)* _____

Pressure capacity: ☐ #150 ◯ #300 ◯ Other *(specify)* _____

Other: ◯ Fixed flange(s) ◯ Floating(s) ☐ Other *(specify)* _____

SPECIFY MOVEMENTS:

Axial expansion: _____ inches or _____ mm

Axial compression: _____ inches or _____ mm

Lateral* Offset: _____ inches or _____ mm

**If not specified it is assumed that capacity for lateral offset is a secondary derivation of the design.*

SPECIFY FLOW RATE:

Flow Rate of application: _____ FPS *(ft. per sec.)*

Depending on the flow rate (Cv), internal corrugations can generate resistance reducing the expansion joint's capacity for movement. In high flow applications, a liner may be required.

Thermoflex bellows elements are sourced from suppliers who manufacture in Canada and the U.S.

Thermoflex expansion joints are made-to-measure, assembled and welded at our facility in Canada and each unit is pressure tested prior to delivery.

Flanged Thermoflex expansion joints are supplied with steel support rods to keep flange faces parallel; these support rods are to be removed after installation.

All expansion joints must be properly anchored and guided upon installation by a third party.

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.

THERMOFLEX
SINCE 1982

Section H

FLEXIBLE HOSES

THERMOFLEX
SINCE 1982

1-888-352-3414
www.thermoflex.ca

FLEXIBLE HOSES



Flexible hoses are designed to absorb vibration and noise, compensate for thermal expansion and contraction and to relieve piping stress due to minor outlet misalignments. They are easy to install and eliminate the need for many fittings and extreme accuracy when roughing in. Flexible hoses are available in standard sizes: ¼" – 30".

Due to the numerous applications and specification options, we've developed this checklist of information required to proceed with your request.

APPLICATION: *(identify use: check one)*

◯ Water ◯ Oil ◯ Gas ◯ Other *(specify):* _____

SPECIFY SYSTEM PRESSURE:

Design pressure: _____ PSI Operating pressure: _____ PSI

Subject to system pressure, a double-braid may be required.

SPECIFY SYSTEM TEMPERATURE:

Design temperature: _____ ºF or _____ ºC

Operating temperature: _____ ºF or _____ ºC

END CONNECTIONS:

Flange(s): ◯ ANSI B16.5 ◯ Metric ◯ JIS ◯ Made-to-measure *(attach drawing)*

Material: ◯ Carbon steel ◯ 304SS ◯ 316SS

◯ Other *(specify)* _____

Pressure capacity: ◯ #150 ◯ #300 ◯ Other *(specify)* _____

Butt-weld ends: ☐ Yes ◯ No

Threaded ends (NPT): ☐ Male ◯ Female ◯ Other *(specify)* _____

Other: ◯ Fixed flange(s) ◯ Floating(s) ◯ Other *(specify)* _____

Please provide details specific to your application:

LATERAL OFFSET REQUIRED:

_____ inches or _____ mm

OVERALL (FACE-TO-FACE) HOSE LENGTH:

_____ inches or _____ mm

Thermoflex flexible hoses and braid are sourced from suppliers who manufacture in Canada and the U.S.

Thermoflex pump connectors and flexible hoses are made-to-measure, assembled and welded at our facility in Canada and each unit is pressure tested prior to delivery.

All flanged hoses and pump connectors are supplied with steel support rods to keep flange faces parallel; these support rods are to be removed after installation.

THERMOFLEX SINCE 1982

Thermoflex 1205 1re Avenue, Sainte-Catherine, Québec, J5C 1C5, Canada
1-888-352-3414 514-367-1444
sales@thermoflex.ca thermoflex.ca

DISCLAIMER: While every effort has been made to ensure the accuracy of the data herein, the data cited are subject to change without notice or liability.