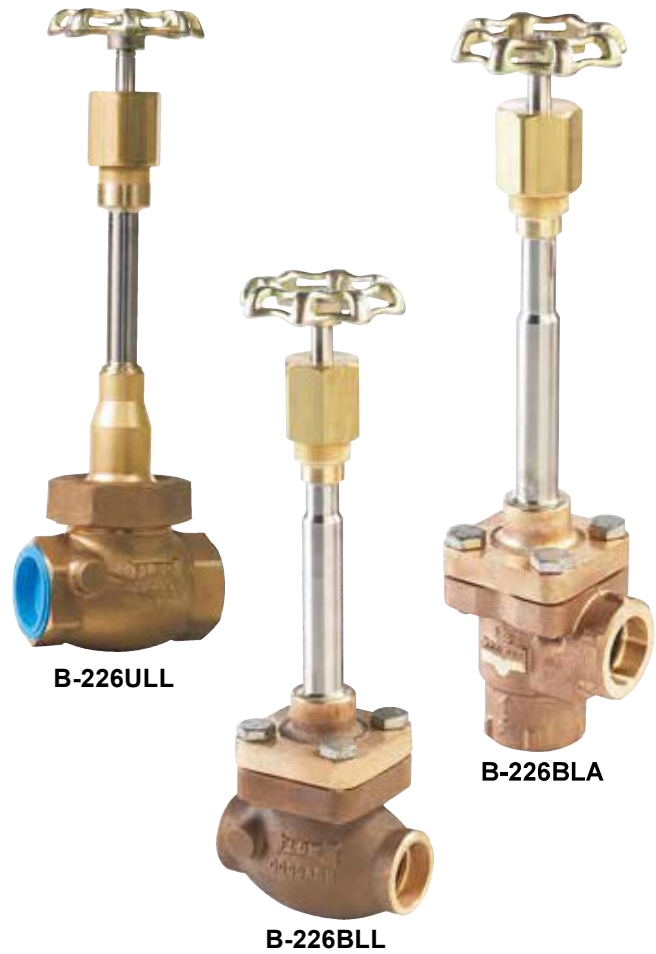


Bronze Globe Valve for Cryogenic Service Goddard 222 Series Including 226LL, 226GF, 226ULL, 226BLL, 222X, 226LL, 226BLL

Features

- **Top Entry:** This union bonnet valve can be permanently installed in the line and serviced from the top. The stainless steel tube prevents stem distortion. Also available in bolted bonnet configuration.
- **Construction:** Bronze cast body and bonnet Rugged construction for long life
- **Designed with the unique Kold-Seal™** and high CV. standard PTFE seat design assures bubble tight seating and high cycle life.
- Oxygen cleaned per CGA G-4.1
- **Sizes:** ¼" through 3" (8mm through 80mm)
- **Ends:** Threaded (FNPT), Sil Braze Tube (SBT), Silver Braze Pipe and back brazed threaded pipe nipples
- **Service:** Liquified and vaporized atmospheric gases, LNG
- **Temperature Rating:** -325°F to 150°F (-196°C to +65°C)
- **Pressure Rating:** (Cold, Non-shock) 400 and 600 PSIG Sizes 1½" to 3" PED approved per EN10204, 3.1
- **Kold-Seal™ Technology assures tight seal preventing cryogen gas loss.**
- **Extended stem suitable for cold box, transport vehicles, pipelines, and customer service applications.**
- **Live (LL) loaded option improves life of asset and minimizes service costs.**
- **Replaceable top works equates to low maintenance costs.**



Ordering Information

222X

Bronze Globe Valves, Extended Stem - Conical Seat, 400 PSIG Cold Working Pressure

Threaded End

Part Number	NPT size Inches	NPT Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-00222X-2T4	¼"	8 mm	Threaded	1.50 Lbs.	0.70 Kgs.	1.30
B-00222X-4T4	½"	15 mm	Threaded	1.50 Lbs.	0.70 Kgs.	3.25
B-00222X-6T4	¾"	20 mm	Threaded	3.00 Lbs.	1.40 Kgs.	6.25
B-00222X-8T4	1"	25 mm	Threaded	4.00 Lbs.	1.80 Kgs.	10.00
B-00222X-12T4	1½"	40 mm	Threaded	7.75 Lbs.	3.50 Kgs.	26.00
B-00222X-16T4	2"	50 mm	Threaded	12.50 Lbs.	5.70 Kgs.	45.00
B-00222X-20T4	2½"	63.5 mm	Threaded	61.00 Lbs.	27.70 Kgs.	50.00
B-00222X-24T4	3"	80 mm	Threaded	61.00 Lbs.	27.70 Kgs.	100.00

Ordering Information

SB-222X

Stainless Steel Body, Bronze Topworks, Conical Seat, 450 PSIG Cold Working Pressure

Part Number	NPT size Inches	NPT Size mm	Ends
SB00222X-12SW	1½"	40 mm	Socket Weld

Bronze Globe Valve for Cryogenic Service Goddard 222 Series Including 226LL, 226GF, 226ULL, 226BLL, 222X, 226LL, 226BLL

Sil Brazed End

Part Number	SBT size Inches	SBT Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-00222X-4S4	½"	15 mm	Silver Braze	2.00 Lbs.	0.90 Kgs.	3.25
B-00222X-6S4	¾"	20 mm	Silver Braze	2.75 Lbs.	1.30 Kgs.	6.25
B-00222X-8S4	1"	25 mm	Silver Braze	3.75 Lbs.	1.70 Kgs.	10.00
B-00222X-12S4	1½"	40 mm	Silver Braze	7.25 Lbs.	3.30 Kgs.	26.00
B-00222X-16S4	2"	50 mm	Silver Braze	11.50 Lbs.	5.20 Kgs.	45.00
B-00222X-24S4	3"	80 mm	Silver Braze	58.00 Lbs.	26.40 Kgs.	100.00

226LL

Bronze Globe Valves, Live Load Packing, Extended Stem, 600 PSIG Cold Working Pressure

Threaded End

Part Number	NPT size Inches	NPT Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-0226LL-2T6	¼"	8 mm	Threaded	1.50 Lbs.	0.70 Kgs.	1.30
B-0226LL-3T6	⅜"	10 mm	Threaded	1.50 Lbs.	0.70 Kgs.	2.40
B-0226LL-4T6	½"	15 mm	Threaded	1.50 Lbs.	0.70 Kgs.	3.25
B-0226LL-6T6	¾"	20 mm	Threaded	3.00 Lbs.	1.40 Kgs.	6.25
B-0226LL-8T6	1"	25 mm	Threaded	4.00 Lbs.	1.80 Kgs.	10.00

Sil Brazed Ends

Part Number	SBT size Inches	SBT Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-0226LL-4S6	½"	15 mm	Silver Braze	2.00 Lbs.	0.90 Kgs.	3.25
B-0226LL-6S6	¾"	20 mm	Silver Braze	2.75 Lbs.	1.30 Kgs.	6.25
B-0226LL-8S6	1"	25 mm	Silver Braze	5.8 Lbs.	1.70 Kgs.	10.00

226ULL

Bronze Globe Valves, Live Loaded Packing - Union Bonnet, Extended Stem, 600 PSIG Cold Working Pressure

Threaded End

Part Number	NPT size Inches	NPT Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-226ULL-12T6	1½"	40 mm	Threaded	7.75 Lbs.	3.50 Kgs.	26.00
B-226ULL-16T6	2"	50 mm	Threaded	12.50 Lbs.	5.70 Kgs.	45.00

Sil Brazed Ends

Part Number	SBT size Inches*	SBT Size mm*	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-226ULL-12S6	1½"	40 mm	Silver Braze	7.25 Lbs.	3.30 Kgs.	26.00
B-226ULL-16S6	2"	50 mm	Silver Braze	11.50 Lbs.	5.20 Kgs.	45.00

*Nominal Size

226XGF

Bronze Globe Valves, Extended Stem - Conical Seat Grafoil® Packing, Gasket and PFA Seat
600 PSIG Cold Working Pressure

Threaded End

Part Number	NPT size Inches	NPT Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
VB-226XGF-4T6	½"	15 mm	Threaded	1.50 Lbs.	0.70 Kgs.	3.25
VB-226XGF-6T6	¾"	20 mm	Threaded	3.00 Lbs.	1.40 Kgs.	6.25
VB-226XGF-8T6	1"	25 mm	Threaded	4.00 Lbs.	1.80 Kgs.	10.00
VB-226XGF-12T6	1½"	40 mm	Threaded	7.75 lbs.	3.5 Kgs.	26.00

226BLL

Bronze Globe Valves, Live Loaded Packing - Bolted Bonnet, Extended Stem, 600 PSIG Cold Working Pressure

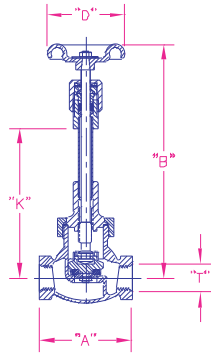
Threaded End

Part Number	NPT size Inches	NPT Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-226BLL-12T6	1½"	40 mm	Threaded	7.75 Lbs.	3.50 Kgs.	26.00
B-226BLL-16T6	2"	50 mm	Threaded	12.50 Lbs.	5.70 Kgs.	45.00

Bronze valves standard connection are for tube, not pipe.



Bronze Globe Valve for Cryogenic Service Goddard 222 Series Including 226LL, 226GF, 226ULL, 226BLL, 222X, 226LL

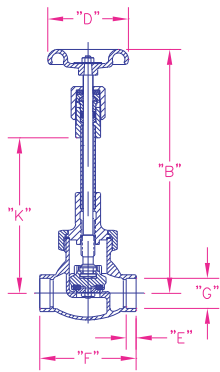


226ULL
Pressure Rating 600 PSIG
Temperature Rating -325°F to +150°F

Dimensional data
All Dimensional Data are in inches.

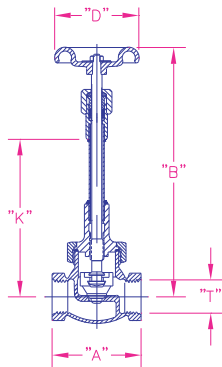
THREADED ENDS

Size	"A"	"B"	"D"	"T" NPT	"K"
1½"	4¾"	14⅝"	4"	1½"	9⅛"
2"	5¾"	15⅝"	4¾"	2"	9⅛"



SIL BRAZED END

Size	"B"	"D"	"E"	"F"	"G"	"K"
1½"	14⅝"	4"	⅝"	5¼"	1.63"	9⅛"
2"	15⅝"	4¾"	⅜"	6½"	2.13"	9⅛"

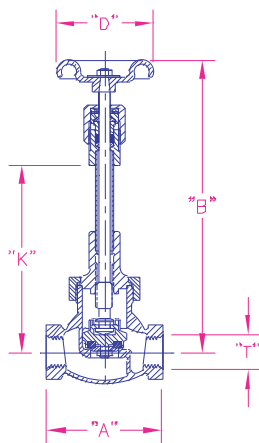


226XGF
Pressure Rating 600 PSIG
Temperature Rating -325°F to +150°F

Dimensional data
All Dimensional Data are in inches.

THREADED ENDS

Size	"A"	"B"	"D"	"T" NPT	"K"
½"	2⅝"	8¼"	2⅜"	½"	4⅞"
¾"	3 ⅜"	8⅝"	2¾"	¾"	4 13/16"
1"	3¾"	10½"	3"	1"	6½"



226LL
Pressure Rating 600 PSIG
Temperature Rating +150° F to -325° F

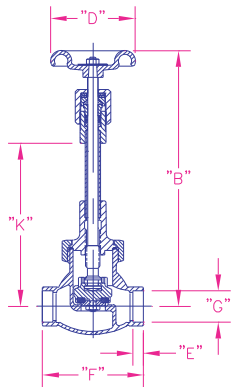
Dimensional Data
All Dimensions are in Inches

THREADED ENDS

Size	"A"	"B"	"D"	"T" NPT	"K"
¼"	2 5/16 "	7 9/16 "	2"	¼"	4 19/32 "
⅜"	2 5/16 "	7 9/16 "	2"	⅜"	4 19/16 "
½"	2⅝"	8¼"	2⅜"	½"	4⅞"
¾"	3 ⅜"	8⅝"	2¾"	¾"	4 13/16 "
1"	3¾"	10½"	3"	1"	6½"

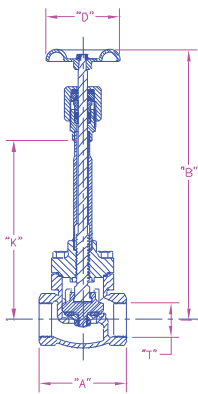
*Bolted Bonnet

Bronze Globe Valve for Cryogenic Service Goddard 222 Series Including 226LL, 226GF, 226ULL, 222X, 226LL



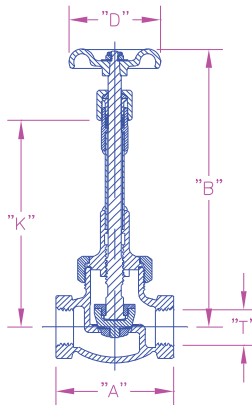
SIL BRAZED ENDS

Size	"B"	"D"	"E"	"F"	"G"	"K"
1/2"	8 1/4"	2 3/8"	3/8"	3 1/4"	.63	4 7/8"
3/4"	8 5/8"	2 3/4"	13/32"	3 3/4"	.88	4 13/16"
1"	10 1/2"	3"	7/16"	4 1/4"	1.13	6 1/2"



226BLL THREADED ENDS - BOLTED BONNET

Size	"A"	"B"	"D"	"T" NPT	"K"
1 1/2"	4 3/4"	14 5/8"	4"	1 1/2"	9 1/16"
2"	5 3/4"	14 15/16"	4 3/4"	2"	

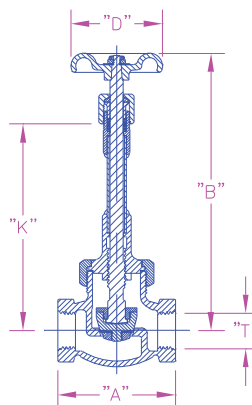


222X

Pressure Rating 400 PSIG

Temperature Rating -325°F to +150°F

Part #	Size	"A"	"B"	"D"	"T" NPT	"K"
B-222X-2T4	1/4"	2.63"	8.38"	2.38"	1/4"	4.8"
B-222X-4T4	1/2"		15.54"		1/2"	
B-222X-4T4A						12.2"
B-222X-6T4	3/4"	3.19"	8.63"	2.75"	3/4"	4.9"
B-222X-6T4A			15.79"			12"
B-222X-8T4	1"	3.75"	10.50"	3"	1"	6.5"
B-222X-8T4A			16.01"			12"
B-222X-12T4	1 1/2"	4.75"	14.63"	4"	1 1/2"	9.7"
B-222X-12T4A			18.44"			13.5"
B-222X-16T4	2"	5.75"	15.13"	4.75"	2"	9.7"
B-222X-16T4A			22.43"			14.2"
B-222X-20T4	2 1/2"	8.5"	22.75"	8"	2 1/2"	16"
B-222X-24T4	3"				3"	



SB-222X

Pressure Rating 400 PSIG

Temperature Rating -325°F to +150°F

Size	"A"	"B"	"D"	"BB"	"K"
1 1/2"	4 3/4"	14 5/8"	4"	3"	9.7"

Bronze Globe Valve for Cryogenic Service Goddard 202X Series Including 206LL, 206GF, 206ULL, 206BLL

Features

- **Top Entry:** This union bonnet valve can be permanently installed in the line and serviced from the top
- **Construction:** Rugged construction for long life, bronze cast body and bonnet
- **Designed with the unique Kold-Seal™** and high CV. Standard PCTFE seat design assures bubble tight seating and high cycle life
- **Sizes:** ¼" through 2" (8mm through 50mm)
- **Ends:** Threaded (FNPT), Sil Braze Tube (SBT), or with stainless steel pipe nipples brazed in.
- **Service:** Liquified and vaporized atmospheric gases, LNG
- **Temperature Rating:** -325°F to 150°F (-196°C to +65°C)
- **Pressure Rating:** (Cold, Non-shock)
202 Series Rated for 400 PSIG
206 Series Rated for 600 PSIG
Sizes 1.5" to 2.0" PED approved per EN10204, 3.1
- **Kold-Seal™ Technology assures tight seal preventing cryogen gas loss. Non-extended stem for selective cold gas service.**



206ULL



206BLL

Ordering Information

202X

Bronze Globe Valves
Non-Extended Stem - Conical Seat
400 PSIG Cold Working Pressure
For selective Cold Gas Applications

Threaded End

Part Number	NPT Valve size Inches	NPT Valve Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-00202X-12T4	1½"	40 mm	Threaded	6.50 Lbs.	3.00 Kgs.	29.00
B-00202X-16T4	2"	50 mm	Threaded	10.50 Lbs.	4.80 Kgs.	50.00

Sil Braze Ends

Part Number	SBT Valve size Inches *	SBT Valve Size mm *	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-00202X-4S4	½"	15 mm	Silver Braze	1.50 Lbs.	0.7 Kgs.	3.90
B-00202X-8S4	1"	25 mm	Silver Braze	3.25 Lbs.	1.50 Kgs.	11.50
B-00202X-12S4	1½"	40 mm	Silver Braze	6.50 Lbs.	3.00 Kgs.	29.00
B-00202X-16S4	2"	50 mm	Silver Braze	10.50 Lbs.	4.80 Kgs.	50.00

* Nominal Size

Bronze Globe Valve for Cryogenic Service Goddard 202X Series Including 206LL, 206GF, 206ULL, 206BLL

206GF

Bronze Globe Valves

Non-Extended Stem - PFA seat with high temperature, low permeability GRAFOIL® packing and gasket.

600 PSIG Cold Working Pressure, For Selective Cold Gas Applications, High Temperature Service Rating +350°F

Threaded Ends

Part Number	NPT Valve size Inches	NPT Valve Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
VB-0206GF-2T6	¼"	8 mm	Threaded	1.25 Lbs.	0.6 Kgs.	1.30
VB-0206GF-4T6	½"	15 mm	Threaded	1.50 Lbs.	0.70 Kgs.	3.90
VB-0206GF-6T6	¾"	20 mm	Threaded	2.50 Lbs.	1.10 Kgs.	7.10
VB-0206GF-8T6	1"	25 mm	Threaded	3.50 Lbs.	1.60 Kgs.	11.50
VB-0206GF-12T6	1½"	40 mm	Threaded	7.00 Lbs.	3.20 Kgs.	29.00
VB-0206GF-16T6	2"	50 mm	Threaded	11.75 Lbs.	5.30 Kgs.	50.00

206LL

Bronze Globe Valves, Non-Extended Stem, Live Loaded Packing, 600 PSIG Cold Working Pressure

For Selective Cold Gas Applications

Threaded Ends

Part Number	NPT Valve size Inches	NPT Valve Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-0206LL-2T6	¼"	8 mm	¼" NPT	1.25 Lbs.	0.6 Kgs.	1.30
B-0206LL-3T6	⅜"	10 mm	⅜" NPT	1.25 Lbs.	0.6 Kgs.	2.40
B-0206LL-4T6	½"	15 mm	½" NPT	1.75 Lbs.	0.8 Kgs.	3.90
B-0206LL-6T6	¾"	20 mm	¾" NPT	2.5 Lbs.	1.1 Kgs.	7.10
B-0206LL-8T6	1"	25 mm	1" NPT	3.5 Lbs.	1.6 Kgs.	11.50

Sil Brazed Ends

Part Number	SBT Valve size Inches *	SBT Valve Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-0206LL-4S6	½"	10 mm	Silver Braze	1.25 Lbs.	0.6 Kgs.	3.90
B-0206LL-6S6	¾"	15 mm	Silver Braze	1.75 Lbs.	0.8 Kgs.	7.10
B-0206LL-8S6	1"	20 mm	Silver Braze	2.5 Lbs.	1.1 Kgs.	11.50

* Nominal Size

206ULL

Bronze Globe Valves, Non-Extended Stem, Live Loaded Packing - Union Bonnet,

600 PSIG Cold Working Pressure For Selective Cold Gas Applications

Sil Brazed Ends

Part Number	SBT Valve size Inches	SBT Valve Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-206ULL-12S6	1½"	40 mm	Silver Braze	7 Lbs.	3.2 Kgs.	29.00
B-206ULL-16S6	2"	50 mm	Silver Braze	11.75 Lbs.	5.3 Kgs.	50.00

206BLL

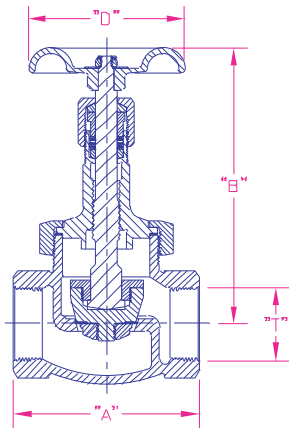
Bronze Globe Valves, Non-Extended Stem, Live Loaded Packing - Bolted Bonnet,

600 PSIG Cold Working Pressure For Selective Cold Gas Applications

Sil Brazed Ends

Part Number	SBT Valve size Inches	SBT Valve Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-206BLL-12S6	1½"	40 mm	Silver Braze	7 Lbs.	3.2 Kgs.	29.00

Bronze Globe Valve for Cryogenic Service Goddard 202X Series Including 206LL, 206GF, 206ULL, 206BLL

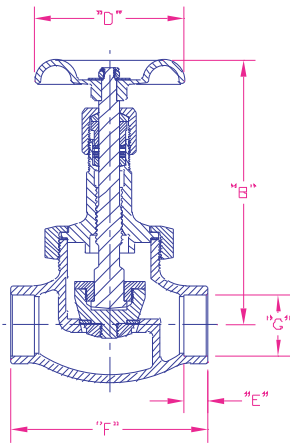


**202 Series
202X**
Pressure Rating 400 PSIG
Temperature Rating +150°F to -325°F
Non-Extended Valve for Cold Gas Applications
Conical Seat

Dimensional data
All Dimensional Data are in inches.

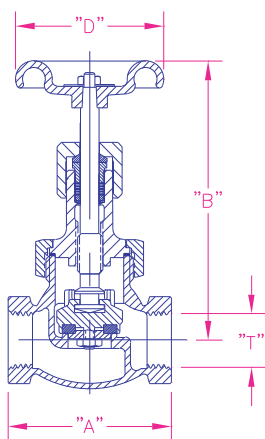
THREADED ENDS

Size	"A"	"B"	"D"	"T" NPT
1½"	4¾"	8⅝"	4"	1½"
2"	5¾"	9½"	4¾"	2"



SILVER BRAZED ENDS

Size	"B"	"D"	"E"	"F"	"G"
½"	4⅝"	2"	.38	3¼"	.63/.63
1"	4⅝"	2"	.44	4¼"	1.13/1.13
1½"	5"	2⅜"	.62	5¼"	1.63/1.63
2"	5¾"	2¾"	.66	6½"	2.13/2.13

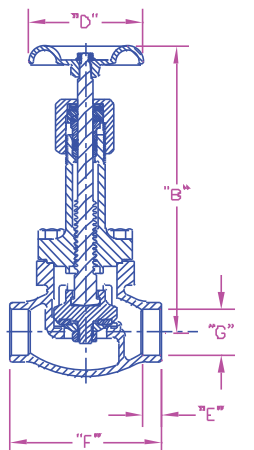
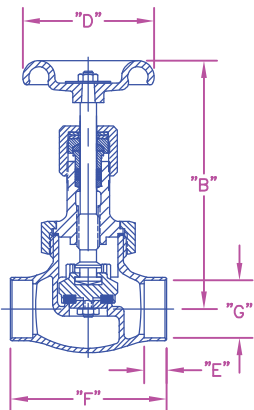
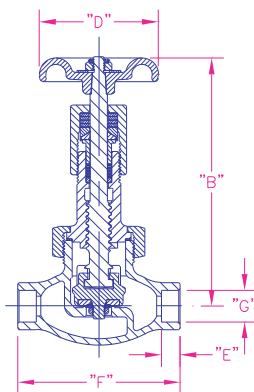
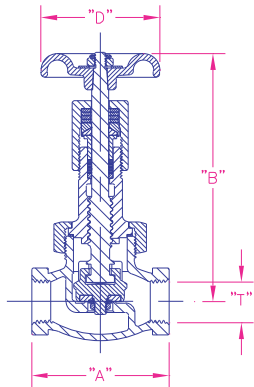


206GF
Pressure Rating 600 PSIG
Temperature Rating +350°F to -325°F
Non-Extended Stem - GRAFOIL® Packing, Gasket and PFA Seat
Dimensional data
All Dimensional Data are in inches.

THREADED ENDS

Size	"A"	"B"	"D"	"T" NPT
¼"	2⅝"	4⅝"	2"	¼"
½"	2⅝"	5"	2⅜"	½"
¾"	3⅜"	5¼"	2¾"	¾"
1"	3¾"	6¼"	3"	1"
1½"	4¾"	8⅝"	4"	1½"
2"	5¾"	9½"	4¾"	2"

Bronze Globe Valve for Cryogenic Service Goddard 202X Series Including 206LL, 206GF, 206ULL, 206BLL



206LL

Pressure Rating 600 PSIG
Temperature Rating +150° F to -325° F
Live Load Packing
Union Bonnet

Dimensional Data
All Dimensions are in Inches

THREADED ENDS

Size	"A"	"B"	"D"	"T" NPT
1/4"	2 5/8"	5"	2 3/8"	1/4"
3/8"	2 5/8"	5"	2 3/8"	3/8"
1/2"	2 5/8"	5"	2 3/8"	1/2"
3/4"	3 3/16"	5 3/4"	2 3/4"	3/4"
1"	3 3/4"	5 3/4"	3"	1"

SIL BRAZED ENDS

Size	"B"	"D"	"G"	"E"	"F"
1/4"	5"	2 3/8"	.38/.38	.26	2 3/8"
1/2"	5"	2 3/8"	.63/.63	.38	3 1/4"
1"	6 3/4"	3"	1.13/1.13	.44	4 1/4"

206ULL

Pressure Rating 600 PSIG
Temperature Rating +150° F to -325° F
Live Load Packing - Union Bonnet

Dimensional Data
All Dimensions are in Inches

SIL BRAZED ENDS

Size	"F"	"B"	"D"	"T" NPT
1 1/2"	4 3/4"	8 5/8"	4"	1 1/2"
2"	5 3/4"	11 3/4"	4 3/4"	2"

206BLL

Pressure Rating 600 PSIG
Temperature Rating +150° F to -325° F
Live Load Packing - Bolted Bonnet

Dimensional Data
All Dimensions are in Inches

SIL BRAZED ENDS

Size	"B"	"D"	"G"	"E"	"F"
1 1/2"	8 5/8"	4"	1.62/1.64	.63	5 1/4"