

Bronze Globe Valve for Cryogenic Service

Goddard 202X Series Including 206LL, 206GF, 206ULL, 206BLL

This union bonnet valve can be permanently installed in line and serviced from the top.

- Bronze cast body and bonnet; rugged construction for long life
- Designed with unique Kold-Seal™ and high CV
- Standard PTFE 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 w/ stainless steel pipe nipples brazed in
- Service: Liquefied 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 cryo gas loss
- Non-extended stem for selective cold gas service



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

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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	1/4"	8 mm	Threaded	1.25 Lbs.	0.6 Kgs.	1.30
VB-0206GF-4T6	1/2"	15 mm	Threaded	1.50 Lbs.	0.70 Kgs.	3.90
VB-0206GF-6T6	3/4"	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	1 1/2"	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	1/4"	8 mm	1/4" NPT	1.25 Lbs.	0.6 Kgs.	1.30
B-0206LL-3T6	3/8"	10 mm	3/8" NPT	1.25 Lbs.	0.6 Kgs.	2.40
B-0206LL-4T6	1/2"	15 mm	1/2" NPT	1.75 Lbs.	0.8 Kgs.	3.90
B-0206LL-6T6	3/4"	20 mm	3/4" 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
B-0206LL-12T6	1 1/2"	40 mm	1 1/2" NPT	7 Lbs.	3.2 Kgs.	29.00
B-2060LL-16T6	2"	50 mm	2" NPT	11.75 LBS	5.3 Kgs.	60.00

Sil Brazed Ends

Part Number	SBT Valve size Inches *	SBT Valve Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-0206LL-4S6	1/2"	10 mm	Silver Braze	1.25 Lbs.	0.6 Kgs.	3.90
B-0206LL-6S6	3/4"	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	1 1/2"	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,

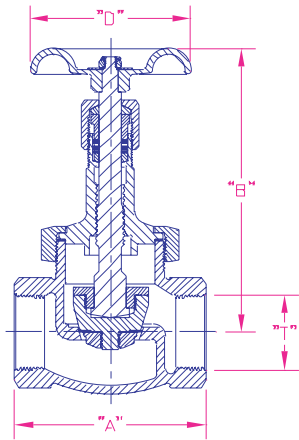
600 PSIG Cold Working Pressure For Selective Cold Gas Applications

Sil Brazed Ends

Part Number	SBT Valve size Inches	SBT Valve Size mm	Ends	Weight Lbs.	Weight Kgs.	Estimated Cv
B-206BLL-12S6	1 1/2"	40 mm	Silver Braze	7 Lbs.	3.2 Kgs.	29.00

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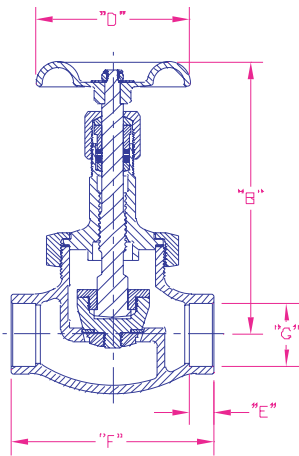


202 Series
202X
Pressure Rating 400 PSIG
Temperature Rating +150°F to -325°F
Non-Extended Valve for Cold Gas
Applications Conical Seat

Dimensional data in inches.

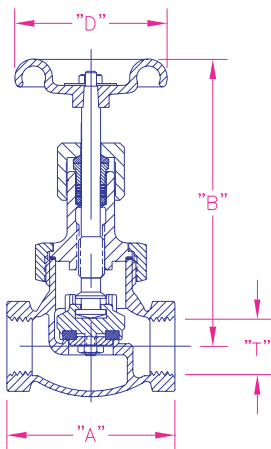
THREADED ENDS

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	¾"	.628/1.630
1"	4⅝"	2"	.44	1¼"	1.129/1.131
1½"	5"	2⅜"	.62	5¼"	1.629/1.632
2"	5¾"	2¾"	.66	6½"	2.129/2.132



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

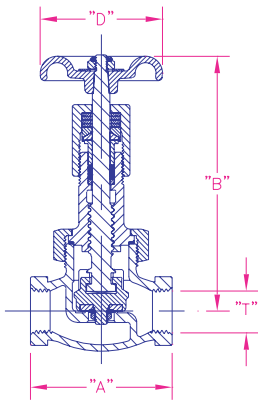
Dimensional data in inches.

THREADED ENDS

Size	"A"	"B"	"D"	"T" NPT
¼"	2⅝"	4⅝"	2"	¼"
½"	2⅝"	5"	2⅜"	½"
¾"	3⅜"	5¾"	2¾"	¾"
1"	3¾"	6¾"	3"	1"
1½"	4¾"	8⅝"	4"	1½"
2"	5¾"	9½"	4¾"	2"

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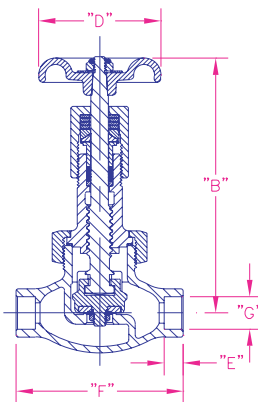


206LL
Pressure Rating 600 PSIG
Temperature Rating +150° F to
-325° F Live Load Packing

Dimensions in inches

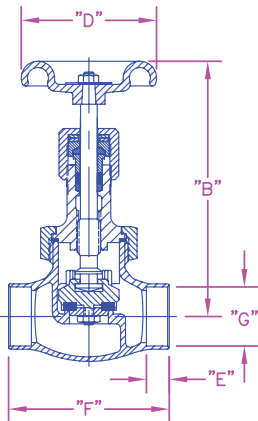
THREADED ENDS

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 "	.378/.380	.26	2 ³ / ₈ "
1/2"	5"	2 ³ / ₈ "	.628/.630	.38	3 ¹ / ₄ "
3/4"	5 ³ / ₄ "	2 ³ / ₄ "	.878/.880	.41	4 ¹ / ₄ "

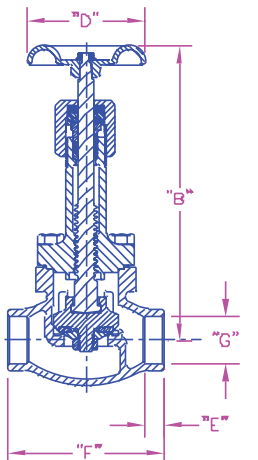


206ULL
Pressure Rating 600 PSIG
Temperature Rating +150° F to
-325° F Live Load Packing -
Union Bonnet

Dimensions in inches

SIL BRAZED ENDS

Size	"A"	"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

Dimensions in inches

SIL BRAZED ENDS

Size	"B"	"D"	"G"	"E"	"F"
1 1/2"	8 ⁵ / ₈ "	4"	1.625/1.638	.63	5 ¹ / ₄ "