

# Extended Bonnet Bronze Gate Valve for Cryogenic Service 322 and 326 Series

## Application

The RegO Goddard 322 and 326 Series gate valves are designed for handling of cryogenic liquids through bulk tanks, trucks, trailers, ASU plants and piping configurations. Compatible with oxygen, nitrogen, CO<sub>2</sub>, and argon.

## Features

- **Top Entry:** This union bonnet valve can be permanently installed in the line and serviced from the top
- **Construction:**
  - Bronze cast body and Internals
  - Rugged construction for long life
  - Straight through construction for high CV
  - Designed with unique KOLD-SEAL™ packing
  - Standard split wedge design provides better sealing and cycle life
- **Sizes:** ½" - 3" (15mm - 80mm)
- **Ends:** Threaded (FNPT), Sil Braze Tube (SBT), Silver Brazed Pipe (SBP) or with stainless steel pipe nipples brazed in
- **Service:** Liquefied and vaporized atmospheric gases, LNG
- **Temperature Rating:** -320°F to +150°F (-196°C + 65°C)
- **Pressure Rating:** (Cold, Non-shock)
  - 322 Series 400 psig (28 barg)
  - 326 Series 600 psig (42 barg)
- Cleaned for Oxygen Service per CGA G-4.1

Designed to MSS SP-80 and ASME B31.3  
Series 1.5" to 3" PED Approved per EN 10204, 3.1

**Ideal for cryogenic supply and storage handling applications.  
Straight-through flow for highest CV rating in the industry.**

Also available with GRAFOIL® packing



**322 Series**

# Extended Bonnet Bronze Gate Valve for Cryogenic Service 322 and 326 Series

## Ordering Information

### 322 Series

Bronze Gate Valves  
400 psig (28 barg) COLD WORKING PRESSURE

Part Number	NPT Size Inches	NPT Size DN	Ends	Weight Lbs.	Weight Kg	Estimated Cv (Kv)
<b>B-322-20T4</b>	2½"	65	Threaded	19.00	8.64	372.00 (321.78)
<b>B-322-24T4</b>	3"	80		28.00	121.73	588.00 (508.62)

Part Number	SBT Size Inches*	SBT Size DN	Ends	Weight Lbs.	Weight Kg	Estimated Cv (Kv)
<b>B-322-4S4</b>	½"	15	Silver Braze	1.75	0.80	19.80 (17.12)
<b>B-322-6S4</b>	¾"	20		2.25	1.02	36.00 (31.14)
<b>B-322-8S4</b>	1"	25		3.50	1.59	60.80 (52.59)
<b>B-322-12S4</b>	1½"	40		7.50	3.41	152.00 (131.48)
<b>B-322-16S4</b>	2"	50		11.25	5.11	245.00 (211.92)
<b>B-322-20S4</b>	2½"	65		17.00	7.73	372.00 (321.78)
<b>B-322-24S4</b>	3"	80		24.00	10.91	588.00 (508.62)

\*Nominal Size

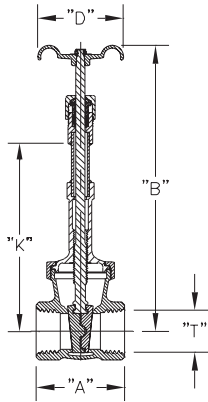
### 326 Series

Bronze Gate Valves  
600 psig (42 barg) COLD WORKING PRESSURE

Part Number	NPT Size Inches	NPT Size DN	Ends	Weight Lbs.	Weight Kg	Estimated Cv (Kv)
<b>B-326-4T6</b>	½"	15	Threaded	1.75	0.80	19.80 (17.12)
<b>B-326-6T6</b>	¾"	20		2.25	1.02	36.00 (31.14)
<b>B-326-8T6</b>	1"	25		4.00	1.82	60.80 (52.59)
<b>B-326-12T6</b>	1½"	40		8.25	3.75	152.00 (131.48)
<b>B-326-16T6</b>	2"	50		12.50	5.68	245.00 (211.92)

# Extended Bonnet Bronze Gate Valve for Cryogenic Service

## 322 and 326 Series

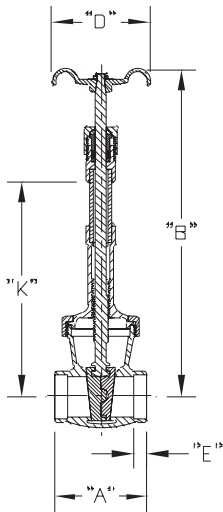


### 322 Series

MAWP: 400 psig (28 barg) Non-Shock Cold  
 Temperature Rating +150° F to -325° F (+65°C to -198°C)  
 Dimensional Data

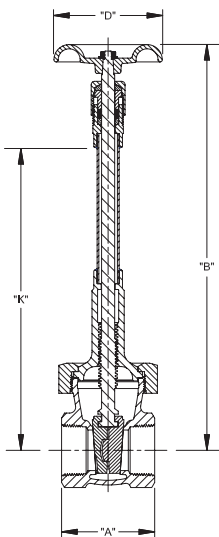
#### Threaded End (NPT)

Size		"A"		"B"		"D"		"K"		"T"	
Inches	DN	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
2½"	65	4.68"	119	22.5"	571	5.25"	133	14.5"	368	2½"	63
3"	80	5.12"	130	24.87"	632	6.12"	155	16.31"	414	3"	76



#### Sil Bronze End

Size		"A"		"B"		"D"		"K"		"E"	
Inches	DN	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
½"	15	2.5"	63	9.38"	238	2.37"	60	5.5"	140	.38"	10
¾"	20	3"	76	10.56"	268	2.75"	70	6.12"	155	.40"	10
1"	25	3.25"	83	12.38"	314	3"	76	7.68"	195	.43"	11
1½"	40	4"	102	17"	432	4"	102	10.87"	276	.62"	16
2"	50	4.5"	114	19.62"	498	4.75"	121	12.38"	314	.65"	16
2½"	66	5.25"	133	22.5"	571	5.25"	133	14.5"	368	.78"	20
3"	80	6"	152	24.87"	632	6.12"	155	16.31"	414	.82"	21



### 326 Series

MAWP: 600 psig (42 barg) Non-Shock Cold  
 Temperature Rating +150° F to -325° F (+65°C to -198°C)  
 Dimensional Data

#### Threaded End (NPT)

Size		"A"		"B"		"D"		"K"	
Inches	DN	Inches	mm	Inches	mm	Inches	mm	Inches	mm
½"	15	2.34"	59	9.37"	238	2¼"	57	5.5"	140
¾"	20	2.5"	63	10.56"	268	2¾"	70	6.12"	155
1"	25	2.34"	59	12.37"	314	3"	76	7.6"	193
1½"	40	3.43"	87	17"	432	4"	102	10.87"	276
2"	50	3.81"	97	19.62"	498	4¾"	121	12.37"	314