



## Goddard 210 Series Stainless Steel Globe Valve for Cryogenic Service



### Features:

- **Top Entry:** This valve can be permanently installed in the line and serviced from the top
- **Soft Seated:** PCTFE Seat provides a virtually bubble tight seal and is replaceable
- **Construction:** Stainless steel body and bonnet
- **Sizes:** ½" - 6" (15mm - 150mm)
- **Ends:** RF Flange, Butt weld, Socket weld, Threaded (FNPT)
- **Service:** Liquified and vaporized atmospheric gases, LNG
- **Temperature Rating:** -325°F - 150°F (-196°C +65°C)
- **Pressure Rating:** (Cold, Non-shock)  
Class 150 valve - 275 PSIG (19 bar)  
Class 300 valve - 720 PSIG (50 bar)  
  
½" - 4" Class 150  
PED Approved, Approved for US and Canada  
½" - 4" Class 300  
PED Approved, Approved for US and Canada

**Our investment cast stainless steel is specified by leading industrial gas companies for storage tank and yard operations.**

**Special bonnet extensions can be supplied for cold box applications**

**Valves for hydrogen use can be supplied**



# Goddard 210 Series Stainless Steel Globe Valve for Cryogenic Service

## Stainless Body • RF Flange Ends

150# Part Number	300# Part Number	Valve Size		Ends	150# Weight		300# Weight		Estimated CV
		Inches	MM		Lbs.	Kg.	Lbs.	Kg.	
GS-00210W-8F	GS-00210W-8F3	1"	25 mm	Flange	15	6.80	20	9.07	11.50
GS-00210W-16F	GS-00210W-16F3	2"	50 mm		35	15.88	40	18.14	40.00
GS-00210W-24F	GS-00210W-24F3	3"	80 mm		65	29.48	70	31.75	60.00
GS-00210W-32F	GS-00210W-32F3	4"	100 mm		90	40.82	95	43.09	175.00

150# ANSI Class (275 PSIG Cold Working Pressure)  
 300# ANSI Class (720 PSIG Cold Working Pressure)

## Stainless Body • Butt Weld, Socket Weld, Threaded Ends

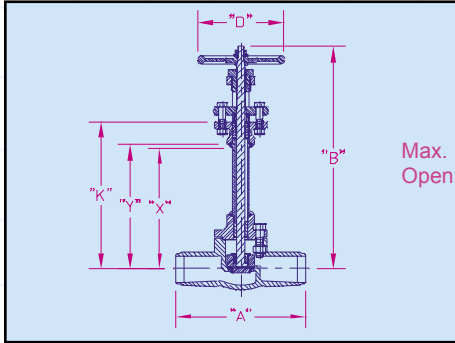
150# Part Number	300# Part Number	Valve Size		Ends	Weight		Estimated CV
		Inches	MM		Lbs.	Kg.	
GS-00210W-4S3	GS-00210W-4S3	½"	15 mm	Socket Weld	15	6.80	3.90
GS-00210W-4T3	GS-00210W-4T3	½"	15 mm	Threaded	15	6.80	3.90
GS-00210W-6S3	GS-00210W-6S3	¾"	20 mm	Socket Weld	15	6.80	7.10
GS-00210W-6T3	GS-00210W-6T3	¾"	20 mm	Threaded	15	6.80	7.10
GS-00210W-8S3	GS-00210W-8S3	1"	25 mm	Socket Weld	15	6.80	11.50
GS-00210W-8T3	GS-00210W-8T3	1"	25 mm	Threaded	15	6.80	11.50
GS-00210W-12S3	GS-00210W-12S3	1½"	40 mm	Socket Weld	25	11.34	29.00
GS-00210W-16W3A	GS-00210W-16W3A	2"	50 mm	Butt Weld SCH10	35	15.88	40.00
GS-00210W-16W3J	GS-00210W-16W3J	2"	50 mm	Butt Weld SCH40	35	15.88	40.00
GS-00210W-24W3A	GS-00210W-24W3A	3"	80 mm	Butt Weld SCH10	55	24.95	60.00
GS-00210W-24W3J	GS-00210W-24W3J	3"	80 mm	Butt Weld SCH40	55	24.95	60.00
GS-00210W-32W3A	GS-00210W-32W3A	4"	100 mm	Butt Weld SCH10	80	36.29	175.00
GS-00210W-32W3J	GS-00210W-32W3J	4"	100 mm	Butt Weld SCH40	80	36.29	175.00

150# ANSI Class (275 PSIG Cold Working Pressure)  
 300# ANSI Class (720 PSIG Cold Working Pressure)

\* Second number indicates valve for 300# part number.  
 Service: 300#-720 PSI Non-shock Cold • Service: 150#-275 PSI Non-shock Cold • Temperature Rating +150°F to -325°F



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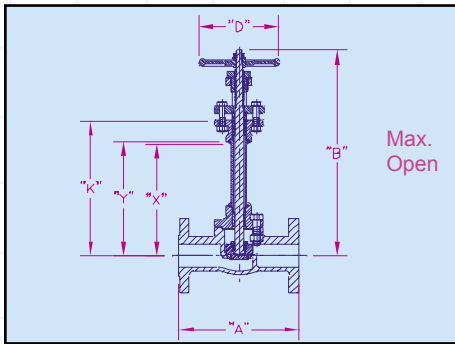
## Butt Weld Ends

Size	"A"	"B"	"D"	"K"	"X"	"Y"
2"	10 $\frac{1}{2}$ "	22 $\frac{1}{4}$ "	7"	15"	12 $\frac{3}{4}$ "	13 $\frac{1}{16}$ "
3"	$\Delta$ 12"	30 $\frac{1}{2}$ "	10"	21 $\frac{1}{2}$ "	19 $\frac{1}{16}$ "	19 $\frac{3}{8}$ "
4"	$\Theta$ 13 $\frac{1}{2}$ "	36 $\frac{3}{4}$ "	12"	24 $\frac{1}{4}$ "	21 $\frac{1}{16}$ "	22"
6"	17 $\frac{1}{2}$ "	43 $\frac{3}{4}$ "	18"	33 $\frac{3}{16}$ "	28 $\frac{13}{16}$ "	29 $\frac{3}{16}$ "

$\Delta$  For SCH. 40 A=12 $\frac{1}{2}$ "

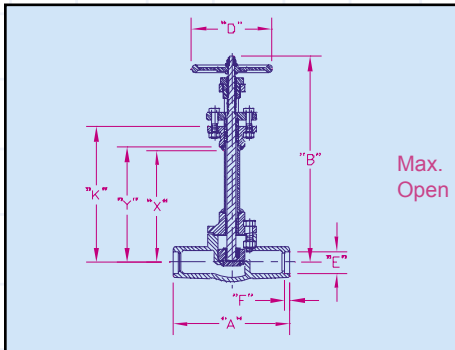
$\Theta$  For SCH. 40 A=14"

\* Unless otherwise specified, SOH 10 weld ends are supplied



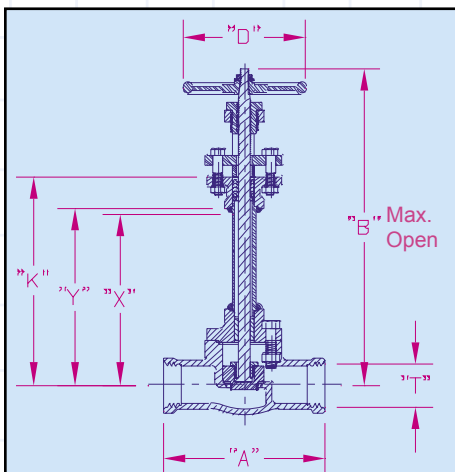
## Raised Face Flange Ends\*

Size	"A" 150#	"A" 300#	"B"	"D"	"K"	"X"	"Y"
1"	6 $\frac{1}{2}$ "	8"	18 $\frac{1}{8}$ "	5"	12 $\frac{3}{4}$ "	11 $\frac{1}{16}$ "	11 $\frac{3}{8}$ "
2"	8"	10 $\frac{1}{2}$ "	22 $\frac{1}{4}$ "	7"	15"	12 $\frac{3}{4}$ "	13 $\frac{1}{16}$ "
3"	9 $\frac{1}{2}$ "	12 $\frac{1}{2}$ "	30 $\frac{1}{2}$ "	10"	21 $\frac{1}{2}$ "	19 $\frac{1}{16}$ "	19 $\frac{3}{8}$ "
4"	11 $\frac{1}{2}$ "	14"	36 $\frac{3}{4}$ "	12"	24 $\frac{1}{4}$ "	21 $\frac{1}{16}$ "	22"



## Socket Weld Ends

Size	"A"	"B"	"D"	"E"	"F"	"K"	"X"	"Y"
$\frac{1}{2}$ "	5"	18 $\frac{1}{8}$ "	5"	.855	$\frac{3}{8}$ "	12 $\frac{3}{4}$ "	11 $\frac{1}{16}$ "	11 $\frac{3}{8}$ "
$\frac{3}{4}$ "	5"	18 $\frac{1}{8}$ "	5"	1.065	$\frac{1}{2}$ "	12 $\frac{3}{4}$ "	11 $\frac{1}{16}$ "	11 $\frac{3}{8}$ "
1"	5"	18 $\frac{1}{8}$ "	5"	1.330	$\frac{1}{2}$ "	12 $\frac{3}{4}$ "	11 $\frac{1}{16}$ "	11 $\frac{3}{8}$ "
1 $\frac{1}{2}$ "	10 $\frac{1}{4}$ "	22 $\frac{1}{4}$ "	7"	1.915	$\frac{1}{2}$ "	15"	12 $\frac{3}{4}$ "	13 $\frac{1}{16}$ "



## Threaded Ends

Size	"T" - NPT	"A"	"B"	"D"	"K"	"X"	"Y"
$\frac{1}{2}$ "	$\frac{1}{2}$ "-14	5"	18 $\frac{1}{8}$ "	5"	12 $\frac{3}{4}$ "	11 $\frac{1}{16}$ "	11 $\frac{3}{8}$ "
$\frac{3}{4}$ "	$\frac{3}{4}$ "-14	5"	18 $\frac{1}{8}$ "	5"	12 $\frac{3}{4}$ "	11 $\frac{1}{16}$ "	11 $\frac{3}{8}$ "
1"	1"-11 $\frac{1}{2}$	5 $\frac{3}{4}$ "	18 $\frac{1}{8}$ "	5"	12 $\frac{3}{4}$ "	11 $\frac{1}{16}$ "	11 $\frac{3}{8}$ "

Vented body and bonnet. Special B,K,X & Y dimensions available.