

Stainless Steel Gate Valve for Cryogenic Service

LOX Series

Application

RegO LOX Series gate valves are designed for handling of cryogenic liquids through bulk tanks, trucks, trailers, ASU plants and piping configurations. Compatible with oxygen, nitrogen, CO2, argon and LNG. Specifically designed for liquid oxygen (LOX) service.

Features

- **Top Entry:** This valve can be permanently installed in the line and serviced from the top
- **Soft Seated:** PCTFE Seat provides a bubble tight seal and is replaceable
- **Construction:** Body and Bonnet ASTM A351-CF8 J92600 Stainless steel
- **Sizes:** ½" - 6" (15mm - 150mm)
- **Ends:** RF Flange, Butt weld, Socket weld, Threaded (FNPT)
- **Service:** Liquefied and vaporized atmospheric gases, LNG
- WHZ valves with Grafoil® stem packing available
- **Temperature Rating:** -320°F - 150°F (-196°C +65°C)
- 100% Factory Tested
- Clean for use in oxygen per CGA G-4.1
- **Pressure Rating:** (Cold, Non-shock)
Class 300 valve - 720 psig (50 barg)



LOX Series

Ordering Information Stainless Body • Butt Weld, Socket Weld, Threaded Ends

300# Part Number	Valve Size		Ends	Weight		Estimated Cv (Kv)
	Inches	MM		Lbs.	Kg.	
LOX110W-4S3	½"	15 mm	Socket Weld	15	6.80	7.00 (6.05)
LOX110W-6S3	¾"	20 mm	Socket Weld	15	6.80	23.00 (19.89)
LOX110W-8S3	1"	25 mm	Socket Weld	15	6.80	30.00 (25.95)
LOX110W-12S3	1½"	40 mm	Socket Weld	35	15.88	85.00 (73.52)
LOX110W-16W3A	2"	50 mm	Butt Weld SCH10			100.00 (86.50)
LOX110W-24W3A	3"	80 mm	Butt Weld SCH10	65	29.48	310.00 (268.15)
LOX110W-24W3J			Butt Weld SCH40			
LOX110W-32W3A	4"	100 mm	Butt Weld SCH10	80	40.82	700.00 (605.50)
LOX110W-32W3J			Butt Weld SCH40			
LOX110W-48W3A	6"	150 mm	Butt Weld SCH10	120/150*	54.43/68.04*	850.00 (735.25)
LOX110W-48W3J			Butt Weld SCH40			

300# ANSI Class (720 psig (50 barg) Cold Working Pressure)* Second number indicates valve for 300# part number.

Service: 300#-720 psig (50 barg) Non-shock Cold • Service: 150#-275 psig (19 barg) Non-shock Cold

- Temperature Rating +150°F - 325°F (+65°C -198°F) • Mounting plate option available
- Custom sizes and connections available.

Stainless Steel Globe Valve for Cryogenic Service

210 Series

Features

- **Top Entry:** This valve can be permanently installed in the line and serviced from the top
- **Soft Seated:** PCTFE Seat provides a bubble tight seal and is replaceable
- **Construction:** Body and Bonnet ASTM A351 J92600 Stainless steel
- **Sizes:** ½" - 4" (15mm - 100mm)
- **Ends:** RF Flange, Butt weld, Socket weld, Threaded (FNPT)
- **Service:** Liquefied and vaporized atmospheric gases, LNG
- **100% Factory Tested**
- **Clean for use in oxygen** per CGA G-4.1
- **Temperature Rating:** -320°F - 150°F (-196°C +65°C)
- **Pressure Rating:** (Cold, Non-shock)
Class 150 valve - 275 psig (19 barg)
Class 300 valve - 720 psig (50 barg)

½" - 4" Class 150
PED Approved
½" - 4" Class 300
PED Approved

Our investment cast stainless steel is specified by leading industrial gas companies for storage tank and yard operations. Special order bonnet extensions are available for cold box applications. Valves for hydrogen use can be supplied

Ordering Information

Stainless Body • RF Flange Ends

150# Part Number	300# Part Number	Valve Size		Ends	150# Weight		300# Weight		Estimated Cv (Kv)
		Inches	MM		Lbs.	Kg.	Lbs.	Kg.	
GS-00210W-8F	GS-00210W-8F3	1"	25 mm	Flange	15	6.80	20	9.07	11.50 (9.94)
GS-00210W-16F	GS-00210W-16F3	2"	50 mm		35	15.88	40	18.14	40.00 (34.60)
GS-00210W-24F	GS-00210W-24F3	3"	80 mm		65	29.48	70	31.75	60.00 (51.90)
GS-00210W-32F	GS-00210W-32F3	4"	100 mm		95	43.09	100	45.35	175 (151.37)

150# ANSI Class (275 psig (19 barg) Cold Working Pressure)

300# ANSI Class (720 psig (50 barg) Cold Working Pressure)

Stainless Body • Butt Weld, Socket Weld, Threaded Ends

300# Part Number	Valve Size		Ends	Weight		Estimated Cv (Kv)
	Inches	MM		Lbs.	Kg.	
LOX00210W-24W3A**	3"	80 mm	Butt Weld SCH10	55	24.95	60.00 (51.90)
LOX00210W-32W3A**	4"	100 mm	Butt Weld SCH10	80	36.29	175.00 (151.37)

* Second number indicates part number for 300# valve.

** LOX valves specifically for Liquid Oxygen Service, for more information on LOX valves see page 62

150# ANSI Class (275 psig (19 barg) Cold Working Pressure)

300# ANSI Class (720 psig (50 barg) Cold Working Pressure)



210 Series



Repair Kits

LOX110 Series

Kit Number	Part Number	Kit Contents
LOX110W-08-85	LOX110W-04, LOX110W-06, and LOX110W-08.	(1) Handwheel Assembly, (2) Bolt, (2) Nut, (1) Stem & Wedge Assembly, (4) Bolt, (1) Bonnet & Yoke Assembly, (1) Retaining Ring, (1) Stem Bearing, (1) Gland Flange, (1) Packing Set, (1) Chevron Set, (1) Chevron Adapter, (1) Packing Adapter, (2) Gasket, (1) Seat, (1) Seat Clamp, (2) Socket Head Cap Screw, (1) Set Screw.
LOX110W-16-85	LOX110W-12, and LOX110W-16.	
LOX110W-24-85	LOX110W-24.	
LOX110W-32-85	LOX110W-32.	
LOX110W-48-85	LOX110W-48.	
LOX110WEP-16-85	LOX110WEP-12, and LOX110WEP-16.	
LOX110WEP-32-85	LOX110WEP-32.	
LOX110WEP-48-85	LOX110WEP-48.	