

Stainless Steel Swing Check Valve for Cryogenic Service

886 Series

Application

The RegO Goddard 886 Series check valve is designed for handling of cryogenic liquids through bulk tanks, trucks, trailers, ISO-containers and piping configurations. Compatible with Oxygen, Nitrogen, CO2 Argon and LNG.



Features

- Top Entry: This bolted bonnet valve can be permanently installed in the line and service from the top
- Construction: Designed to prevent back flow in cryogenic systems. Higher fluid capacity (C_v) than poppet or lift check valves. 316L stainless steel investment cast body, cap and arm
- Sizes: ½" through 4" (15mm through 100mm)
- Ends: Socket Weld and Butt Weld schedule 10 and 40
- Temperature Rating: -320°F to 150°F (-196°C to +66°C)
- Cleaned for Oxygen service per CGA G-4.1.
- Pressure Rating: (Cold, Non-shock)
 - 400 psig (27 barg) ½" - 2"
 - 275 psig (19 barg) 150# ANSI Class 3" and 4"
 - 720 psig (50 barg) 300# ANSI Class 3" and 4"
 - PED Approved
- Note: Do not use for reciprocating gas service.
- Our investment cast stainless steel is specified by leading industrial gas companies for storage tank and yard operations.
- Ideal for liquid atmospheric gases and LNG storage and handling.
- High cycle life and superior sealing.
- Valves for hydrogen service can be supplied. (-425°F to +350°F) (-254° C to 176° C.)
- Cracking Pressure: 0.5 psig (0.03) barg



886 Series

Ordering Information

886

Stainless Steel Swing Check Valves
Soft Seat

GRAFOIL® Gasket - Hydrogen Service - Socket Weld

Part Number	Valve Size		End Connection	Seat	Pressure Rating	Estimated C _v (Kv)	Weight	
	Inches	mm					Lbs.	Kg
S-886GF-4S	½"	15 mm	Socket Weld	Soft	400 (27.5 barg)	4.50 (3.89)	3	1.36
S-886GF-8S	1"	25 mm				18.00 (15.57)	11	4.98
S-886GF-12S	1½"	40 mm				61.00 (52.76)	17	7.71

PTFE Gasket - Socket Weld

Part Number	Valve Size		End Connection	Seat	Pressure Rating	Estimated C _v (Kv)	Weight	
	Inches	mm					Lbs.	Kg
S-886-4S	½"	15 mm	Socket Weld	Soft	400 (27.5 barg)	4.50 (3.89)	3	1.36
S-886-8S	1"	25 mm				18.00 (15.57)	11	4.98
S-886-12S	1½"	40 mm				61.00 (52.76)	17	7.71

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PTFE Gasket - Butt Weld

Part Number	Valve Size		End Connection	Seat	Butt Weld Schedule	Pressure Rating	Estimated Cv	Weight Lbs.		
	Inches	mm								
S-000886-4WA	1/2"	15 mm	Butt Weld	Soft	10	400 (27.5 barg)	4.50	3 Lbs.		
S-000886-8WA	1"	25 mm					18.00	11 Lbs.		
S-000886-12WA	1 1/2"	40 mm					61.00	17 Lbs.		
S-000886-16W3A	2"	50 mm					99.00	17 Lbs.		
S-000886-24WA	3"	80 mm			40	275 (19 barg)	255.00	47 Lbs.		
S-000886-24WJ	3"	80 mm					225.00	46 Lbs.		
S-000886-32W3J	4"	100 mm					10	720 (50 barg)	475.00	95 Lbs.
S-000886-32WA	4"	100 mm							475.00	95 Lbs.

886M

Stainless Steel Swing Check Valves - Metal Seat

PTFE Gasket - Socket Weld

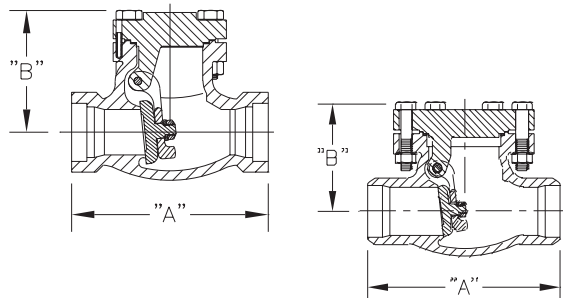
Part Number	Valve Size		End Connection	Seat	Pressure Rating	Estimated Cv	Weight Lbs.
	Inches	mm					
S-00886M-4S3	1/2"	15 mm	Socket Weld	Metal	720 (50 barg)	4.50	3 Lbs.
S-00886M-8S3	1"	25 mm				18.00	11 Lbs.
S-00886M-12S3	1 1/2"	40 mm				61.00	17 Lbs.

Butt Weld Ends

Part Number	Valve Size		End Connection	Seat	Butt Weld Schedule	Pressure Rating	Estimated Cv	Weight Lbs.
	Inches	mm						
S-0886M-16W3A	2"	50 mm	Butt Weld	Metal	10	720 (50 barg)	99.00	17 Lbs.
S-0886M-24W3J	3"	80 mm			40		225.00	46 Lbs.
S-0886M-24W3A	3"				225.00			
S-0886M-32WA	4"	100 mm			10	275 (19 barg)	475.00	95 Lbs.
S-0886M-32W3J	4"				40	720 (50 barg)	475.00	

Butt Weld Ends with GRAFOIL® Gasket for Hydrogen Service

Part Number	Valve Size		End Connection	Seat	Butt Weld Schedule	Pressure Rating	Estimated Cv	Weight Lbs.
	Inches	mm						
S-886MGF-16W3A	2"	50 mm	Butt Weld	Metal	10	720 (50 barg)	99.00	17 Lbs.
S-886MGF-24W3A	3"	80 mm					225.00	46 Lbs.



886

Pressure Rating 300 psig Non-Shock Cold, Temperature Rating +150° F to - 325° F
All Dimensional Data are in inches.

Size	"A"	"B"
1/2"	4 1/4"	2 1/2"
3/4"	5"	3 1/4"
1"		4"
1 1/2"	6 1/2"	4"
2"	8"	4 1/2"

886M

Service 300 Class 720 psig Non-Shock Cold, Temperature Rating +150° F to - 325° F
All Dimensional Data are in inches.

Size	"A"	"B"	Butt Weld End Schedule
1 1/2"	6 1/2"	4"	10
2"	8"	4 1/2"	
3"	9 1/2"	5 3/4"	10 and 40
4"	11 1/2"	8 3/8"	10
4"	14"	8 3/8"	40

Size	"A"	"B"	End	End Dimension
1/2"	2 7/16"	4 1/4"	Socket Weld	SCH 10
				1/2" Pipe Socket