

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 services 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, according to ASME B16.34
- **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	DN					Lbs.	Kg
S-886GF-4S	½"	15	Socket Weld	Soft	400 (27.5 barg)	4.50 (3.89)	3	1.36
S-886GF-8S	1"	25				18.00 (15.57)	11	4.98
S-886GF-12S	1½"	40				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	DN					Lbs.	Kg
S-886-4S	½"	15	Socket Weld	Soft	400 (27.5 barg)	4.50 (3.89)	3	1.36
S-886-8S	1"	25				18.00 (15.57)	11	4.98
S-886-12S	1½"	40				61.00 (52.76)	17	7.71

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886 Series

PTFE Gasket - Butt weld

Part Number	Valve Size		End Connection	Seat	Butt Weld Schedule	Pressure Rating	Estimated Cv (Kv)	Weight	
	Inches	DN						Lbs.	Kg
S-886-4WA	½"	15	Butt Weld	Soft	10	400 (27.5 barg)	4.50 (3.89)	3	1.36
S-886-8WA	1"	25					18.00 (15.57)	11	4.98
S-886-12WA	1½"	40				61.00 (52.76)	17	7.71	
S-886-16W3A	2"	50				99.00 (85.63)			
S-886-24WA	3"	80			40	275 (19 barg)	225.00 (194.62)	47	21.31
S-886-24WJ						46	20.86		
S-886-32W3J	4"	100			10	720 (50 barg)	475.00 (410.87)	95	43.09
S-886-32WA						275 (19 barg)			

886M

Stainless Steel Swing Check Valves - Metal Seat

PTFE Gasket - Socket Weld

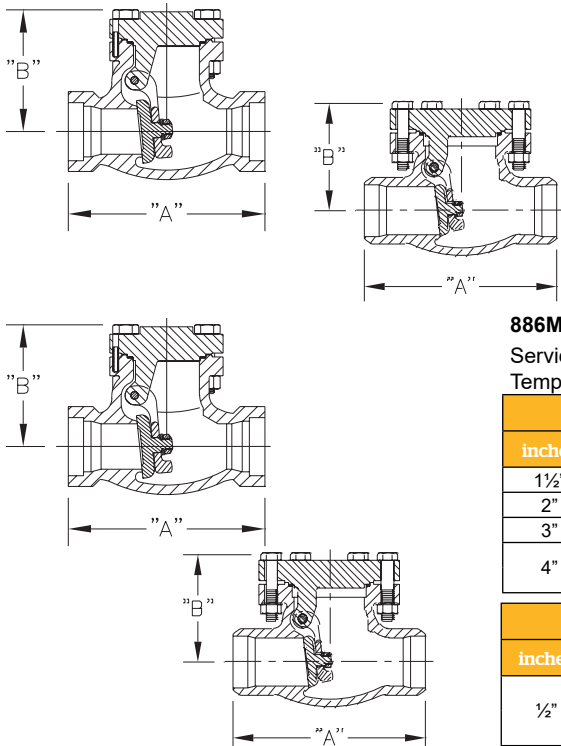
Part Number	Valve Size		End Connection	Seat	Pressure Rating	Estimated C _v (Kv)	Weight	
	Inches	DN					Lbs.	Kg
S-886M-4S3	½"	15	Socket Weld	Metal	720 (50 barg)	4.50 (3.89)	3	1.36
S-886M-8S3	1"	25				18.00 (15.57)	11	4.98
S-886M-12S3	1½"	40				61.00 (52.76)	17	7.71

Butt Weld Ends

Part Number	Valve Size		End Connection	Seat	Butt Weld Schedule	Pressure Rating	Estimated C _v (Kv)	Weight	
	Inches	DN						Lbs.	Kg
S-886M-16W3A	2"	50	Butt Weld	Metal	10	720 (50 barg)	99.00 (85.63)	17	7.71
S-886M-24W3J	3"	80			40		225.00 (194.62)	46	20.86
S-886M-24W3A	3"								
S-886M-32WA	4"	100			10	275 (19 barg)	475.00 (410.87)	95	43.09
S-886M-32W3J	4"				40	720 (50 barg)			

Butt Weld Ends with GRAFOIL® Gasket for Hydrogen Service

Part Number	Valve Size		End Connection	Seat	Butt Weld Schedule	Pressure Rating	Estimated C _v (Kv)	Weight Lbs.	
	Inches	DN						Lbs.	Kg
S-886MGF-16W3A	2"	50	Butt Weld	Metal	10	720 (50 barg)	99.00 (85.63)	17	7.71
S-886MGF-24W3A	3"	80					225.00 (194.62)	46	20.86



886

Pressure Rating 300 psig (20 barg) Non-Shock Cold,
Temperature Rating +150° F to - 325° F (+65°C to -198°C)

Size		"A"		"B"	
inches	DN	inches	mm	inches	mm
½"	15	4¼"	107.95	2½"	63.5
¾"	20	5"	127	3¼"	82.55
1"	25				
1½"	40	6½"	165.1	4"	101.6
2"	50	8"	203.2	4½"	107.95

886M

Service 300 Class 720 psig (50 barg) Non-Shock Cold,
Temperature Rating +150° F to - 325° F (+65°C to -198°C)

Size		"A"		"B"		Butt Weld End Schedule
inches	DN	inches	mm	inches	mm	
1½"	40	6½"	165.1	4"	101.6	10
2"	50	8"	203.2	4½"	107.95	
3"	80	9½"	241.3	5¼"	146.05	10 & 40
4"	100	11½"	292.1	8⅝"	212.85	10
		14"	355.6			40

Size		"A"		"B"		End	End Dimension
inches	DN	inches	mm	inches	mm		
½"	15	2⅞"	61.97	4¼"	107.69	Socket Weld	SCH 10
							½" Pipe Socket