

# GraphiTech

## Oseco's GraphiTech is for use in highly corrosive processes

- Sizes 1" through 24"
- Includes non-asbestos inlet & outlet gaskets
- Excellent for gas and liquid service
- 392° F Maximum temperature without high temperature spacer
- TFE grade fluoropolymer liners available for process side (Specify GTI when ordering)
- Available armored ring (carbon steel or stainless steel available)
- Corrosion resistant
- Armored ring strongly recommended
- ASME UD stamp available

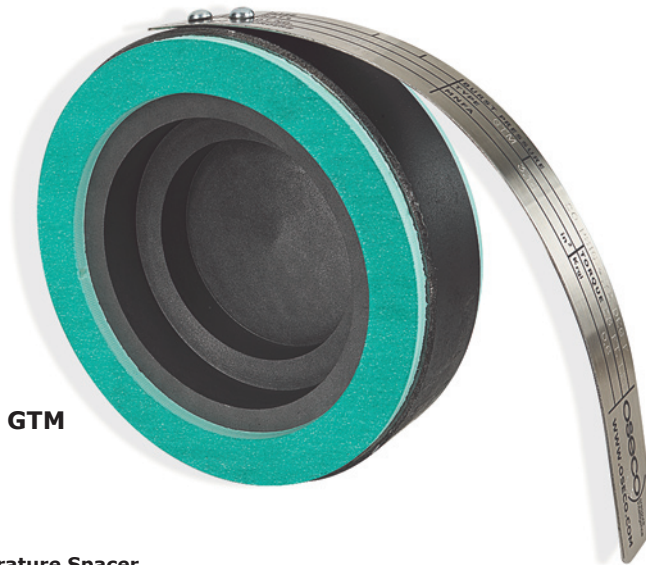
## GraphiTech

Oseco's GraphiTech rupture discs are made of resin-impregnated graphite for use in highly corrosive processes.

Available in 1" through 24" sizes, GraphiTech discs offer a 0% manufacturing range and 90% operating ratio allowing the discs to be stamped at their requested burst pressure and temperature.

GraphiTech rupture discs are available in the following configurations:

- GTM:** Monoblock
- GTI:** Inverted with TFE liner
- GTMV:** With vacuum support



GTM

### High Temperature Spacer

The GraphiTech HT is available for gas and vapor applications where temperatures exceed 392° F. When combined with the HT, GraphiTech discs can withstand temperatures up to 700° F. The HT is not available for liquid applications.

### COMMON APPLICATIONS

Processes that are highly corrosive

### OPERATING RATIO

90% of stamped burst pressure

### BURST TOLERANCE

±5% > 15 psig, ±.75 psig < 15 psig  
+.75 psig, -0 psig below 1 psig

### MANUFACTURING RANGE

0%



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Contact Oseco at 800-395-3475 or email us at [info@oseco.com](mailto:info@oseco.com).

Related products



**GTMV w/Bar Use < 20 psig**



**GTMV w/Dail Use < 10 psig**



**GTI**



Let us help you with all your pressure relief questions. Contact Oseco at **800-395-3475** or email us at [info@oseco.com](mailto:info@oseco.com).

**Oseco Inc**  
 1701 W. Tacoma  
 Broken Arrow Oklahoma 74012 USA  
 Tel: (918) 258-5626  
 Fax: (918) 251-2809

**GraphiTech Min/Max Burst Pressures @ 72° F in 150# Flanges**

Size	Diameter		GTM		GTI		GTMV	
	I.D.	O.D.	Min PSIG (barg)	Max PSIG (barg)	Min PSIG (barg)	Max PSIG (barg)	Min PSIG (barg)	Max PSIG (barg)
1"	1"	2.5"	15 (1.03)	400 (27.58)	10 (.69)	400 (27.58)	15 (1.03)	50 (3.45)
1.5"	1.5"	3.25"	7 (.48)	300 (20.68)	7 (.48)	300 (20.68)	7 (.48)	50 (3.45)
2"	2"	4"	3 (.21)	250 (17.24)	3 (.21)	250 (17.24)	3 (.21)	50 (3.45)
3"	3"	5.25"	2 (.14)	200 (13.79)	2 (.14)	200 (15.79)	2 (.14)	50 (3.45)
4"	4"	6.75"	2 (.14)	150 (10.34)	1.5 (.10)	150 (10.34)	2 (.14)	50 (3.45)
6"	6"	8.625"	1 (.07)	100 (6.89)	1 (.07)	150 (10.34)	1 (.07)	50 (3.45)
8"	8"	10.875"	1 (.07)	100 (6.89)	.50 (.03)	150 (10.34)	1 (.07)	50 (3.45)
10"	10"	13.25"	5 (.34)	100 (6.89)	.25 (.02)	125 (8.62)	1 (.07)	50 (3.45)
12"	12"	16"	5 (.34)	100 (6.89)	.25 (.02)	125 (8.62)	.5 (.03)	50 (3.45)
14"	13.25"	17.625"	5 (.34)	75 (5.17)	.25 (.02)	100 (6.89)	.5 (.03)	50 (3.45)
16"	15.25"	20.125"	5 (.34)	75 (5.17)	.25 (.02)	100 (6.89)	.5 (.03)	50 (3.45)
18"	17.25"	21.5"	5 (.34)	50 (3.45)	.25 (.02)	100 (6.89)	.5 (.03)	50 (3.45)
20"	19.25"	23.75"	5 (.34)	50 (3.45)	.25 (.02)	50 (3.45)	.5 (.03)	50 (3.45)
24"	23.25"	28.125"	5 (.34)	25 (1.72)	.25 (.02)	50 (3.45)	.5 (.03)	50 (3.45)

**GraphiTech Min/Max Burst Pressures @ 72° F in 300# Flanges**

Size	Diameter		GTM		GTI		GTMV	
	I.D.	O.D.	Min PSIG (barg)	Max PSIG (barg)	Min PSIG (barg)	Max PSIG (barg)	Min PSIG (barg)	Max PSIG (barg)
1"	1"	2.75"	50 (3.45)	400 (27.58)	10 (.69)	400 (27.58)	15 (1.03)	50 (3.45)
1.5"	1.5"	3.625"	15 (1.03)	300 (20.68)	7 (.48)	300 (20.68)	15 (1.03)	50 (3.45)
2"	2"	4.25"	15 (1.03)	250 (17.24)	3 (.48)	250 (17.24)	15 (1.03)	50 (3.45)
3"	3"	5.75"	15 (1.03)	200 (13.79)	2 (.14)	200 (15.79)	15 (1.03)	50 (3.45)
4"	4"	7"	15 (1.03)	150 (10.34)	1.5 (.10)	150 (10.34)	15 (1.03)	50 (3.45)
6"	6"	9.75"	15 (1.03)	100 (6.89)	1 (.07)	150 (10.34)	15 (1.03)	50 (3.45)
8"	8"	12"	15 (1.03)	100 (6.89)	.50 (.03)	150 (10.34)	15 (1.03)	50 (3.45)

**Armored ring required at or above these Burst Pressures**

Nominal Diameter	Burst Pressure
1-3 inch	150 psig (10.34 barg)
4 & 6 inch	100 psig (6.89 barg)
8 & 10 inch	75 psig (5.17 barg)
12-24 inch	50 psig (3.45 barg)



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