

Custom Bulk Tank Burst Discs

Nickel Disc, ASME Rated

Ratermann's Burst Discs for Bulk Tanks are Oxygen Cleaned and comply with ASME Section VIII Division 1. They are made with Nickel Disc in a Brass Throwaway style holder.

The more common Sizes available are 1/2", 3/4", and 1" NPT. Available with and without pipeaway.



1/2" NPT x Free



3/4" NPT x Free



1" NPT x Free

BURST DISCS FOR BULK TANKS ARE OXYGEN CLEANED

Common Sizes Available 1/2", 3/4", & 1" NPT

1/2" NPT Size Options Rated between **300 – 1,000 PSI @ 72° F**
(higher pressures available upon request)

BD- _____ - N- _____		
Connection Size		Burst Pressure*
12 - 1/2" M NPT x Free		Select between
IN12 - 1/2" M NPT x 1/2" M NPT (Inline)		300 - 1,000 PSI*

For Cryogenic Tanks with ASME main Safeties at 250 PSI –
Use
Pt # BD-12-N-350 (1/2" Disk 336-375 PSI)

1/2" NPT Size Options Rated between **30 – 299 PSI @ 72° F**
(Lower pressure available in different configurations. Contact Ratermann for details.)

BD- _____ - CN- _____		
Connection Size		Burst Pressure*
12 - 1/2" M NPT x Free		Select between
IN12 - 1/2" M NPT x 1/2" M NPT (Inline)		30 - 299 PSI*

For Cryogenic Tanks with ASME main Safeties at 200 PSI –
Use
Pt # BD-12-CN-280 (1/2" Disk 268-300 PSI)

3/4" NPT Size Options Rated between **225 – 1,000 PSI @ 72° F**
(higher pressures available upon request)
(Lower pressures are available in different configurations. Contact Ratermann for details.)

BD- _____ - N- _____		
Connection Size		Burst Pressure*
34 - 3/4" M NPT x Free		Select between
IN34 - 3/4" M NPT x 3/4" M NPT (Inline)		225 - 1,000 PSI*

For Cryogenic Tanks with ASME main Safeties at 250 PSI –
Use
Pt # BD-34-N-350 (3/4" Disk 336-375 PSI)

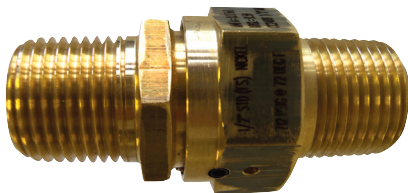
1" NPT Size Options Rated between **150 – 1,000 PSI @ 72° F**
(higher pressures available upon request)
(Lower pressures are available in different configurations. Contact Ratermann for details.)

BD- _____ - N- _____		
Connection Size		Burst Pressure*
1 - 1" M NPT x Free		Select between
IN1 - 1" M NPT x 1" M NPT (Inline)		150 - 1,000 PSI*

For Cryogenic Tanks with ASME main Safeties at 250 PSI –
Use
Pt # BD-1-N-350 (1" Disk 336-375 PSI)

⚠ WARNING: Cancer and Reproductive Harm – www.P65warnings.ca.gov

Inline Connection



Specified Burst Pressure PSIG	BARG	Manufacturing Range		Burst Tolerance
		% Under	% Over	
20-50	1,38 – 3,45	-4	+14	+/- 5%
51-100	3,52 – 6,90	-4	+10	+/- 5%
101-500	6,96 – 34,5	-4	+7	+/- 5%
501 – up	34,6 – up	-3	+6	+/- 5%

* Burst Discs are manufactured to a specific Range based on the Specified Burst Pressure. When they are tested during the manufacturing process, they are tested to come within that range and as long as they do test within the Manufacturing Range, they will be stamped at that tested pressure. This may not be the selected pressure when ordering. See Manufacturing Ranges above.

The ASME Rating guarantees that the Burst Tolerance of these Burst Discs will be at +/-5% of the stamped tested pressure.

(Custom manufacturing ranges are available. Contact Ratermann for details and ordering.)