



BS&B SAFETY SYSTEMS, L.L.C.  
BS&B SAFETY SYSTEMS, LTD.

Catalog  
77-3005

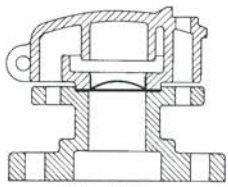


# TYPE SR-TC RUPTURE DISK

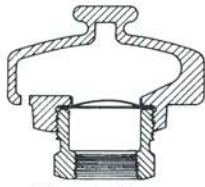
**A surge resistant rupture disk for railroad tank cars and over-the-road trailer service industry.**

The disk is designed for direct installation on to standard threaded or bolted type tank car fittings.

- Available in standard AAR burst ratings.
- Resists overpressure surges of 125% to 140% of the disk's rated burst pressure.
- Simple Installation
- Accurate
- Superior cycle life under pressure cycling condition.



**Bolted Type  
Safety Vent**

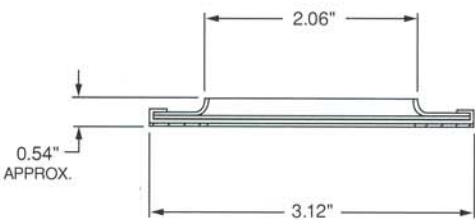


**Threaded Type  
Safety Vent**

## STANDARD PRESSURE RANGES OF SR-TC RUPTURE DISK

RATING PSIG AT 72°F (22°C)	TOTAL BURST RANGE
30	26 - 30
45	38 - 45
52	44 - 52
60	51 - 60
75	64 - 75
100	85 - 100

The burst range defines a minimum/maximum burst pressures including all manufacturing tolerances.



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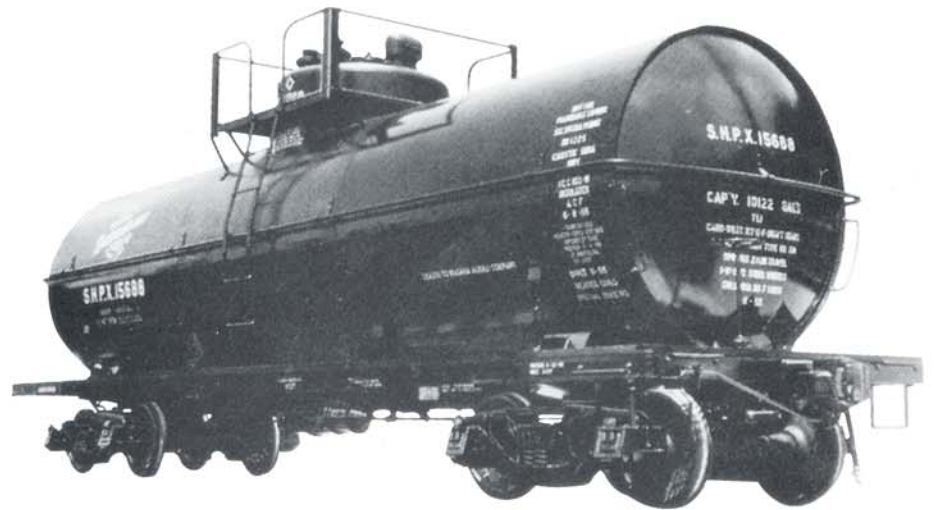
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## PERFORMANCE

The SR-TC rupture disk will resist overpressure surges\* of 125% to 140% of the rated burst pressure for up to 0.5 seconds duration. Greater surge protection may be expected for shorter surge duration.

The SR-TC rupture disk offers extended disk service life where the disk may be subjected to "humping" action or when rapid deceleration of an OTR trailer occurs.

\*The value of the over pressure surge depends on the disk's burst pressure rating.

## INSTALLATION

The SR-TC rupture disk may be installed directly on to standard threaded or bolted type tank car fittings.

## CONSTRUCTION

The slotted top section is protected by a tank car ring which also ensures burst accuracy. A vacuum support prevents damage to the disk, should the disk be subjected to vacuum during unloading or while the tank car is in transit. A spacer ring is located above the FEP/PTFE seal and the top section.

## MATERIALS

Top section - Inconel Alloy 600.  
Vacuum support and tank car ring - 316SS.  
Spacer ring - PPS.  
Seal - FEP/PTFE  
Urethane spacer

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