



## SPECIFICATIONS

- Materials of Construction (food grade quality):
  - Membrane: stainless steel
  - Seal: silicone
  - Process Gasket: EPDM, up to 245°F (120°C), Silicone, up to 460°F (240°C)
- Maximum Operating Pressure/Maximum Vacuum Rating: up to 80% of the minimum stamped burst pressure.
- Burst Pressure Tolerance:
  - ± 15 mbarg for nominal burst pressures ≤ 100 mbarg; ± 0.25 psig for nominal burst pressure < 1.5 psig
  - ± 25 mbarg for nominal burst pressure ≤ 250 mbarg; ± 0.36 psig for burst pressure ≥ 1.5 and ≤ 3.6 psig
  - ± 50 mbarg for nominal burst pressure > 250 mbarg; ± 0.75 psig for burst pressure > 3.6 psig
- Operating Temperature Range; -40 to 240°C / -40 to 460°F (continuous); up to 260°C / 500°F intermittent

## DESCRIPTION

Damage to industrial equipment subjected to explosions can be controlled through the use of explosion venting. Explosion venting as a concept introduces a “weak element” in the pressure envelope of the equipment, relieving the internal combustion pressure in case of an explosion.

Fike's high performance Sani-V-S™ explosion vents for Clean In Place/Steam In Place applications were designed:

- With lightweight construction for simplified handling and minimal risk related to damage during installation
- To meet all applicable requirements of NFPA 68, and European Standard for Explosion Venting Devices (EN14797)
- To satisfy the needs for clean production environments

Applicable industries for Fike's explosion vents include pharmaceutical, biotech, food and beverage, cosmetics, and many others.

## FEATURES & BENEFITS

- No crevices or openings where bacteriological hazards may exist.
- Complies with requirements of general food, beverage, and drug administrations.
- Unique seal offers long-term pressure seal under harsh operating conditions and acts as a bacteriological barrier.
- Provides instantaneous full opening of membrane, eliminating undetected small openings and unwanted risk of contamination.
- No external mounting frame (for most popular burst pressures)
- Vent pressure sealing area protected against mechanical damage
- Excellent service life (positive/vacuum pressures up to 80% of the minimum burst pressure)
- Provides 100% venting efficiency.
- High mechanical integrity
- Certified burst pressure
- Maintenance-free
- Highest operating ratio
- Up to full vacuum rating
- Non-fragmenting
- Compliant with European ATEX-Directive 94/9/EC and NFPA 68 Guidelines