

SANITRX[®] LPX

RUPTURE DISC

The SANITRX[®] LPX is a stainless steel, reverse-acting rupture disc designed specifically for the European pharmaceutical, food and beverage, and biotech industries.

This differential pressure relief device features an instantaneous full-open relief area for protecting equipment, vessels, systems and people from an overpressure condition.

FEATURES

- 316 or 316L SS materials of construction
- Excellent cyclic durability
- 90% maximum recommended operating ratio
- Available in sizes 40 mm, 50mm and 80mm
- Precision scoring on the vent side of the disc dome assures optimum cleanability and improves rupture disc performance
- All rupture discs include sanitary, environmentally-friendly, non-toxic packaging

BENEFITS

- The standard low pressure (Burst Pressure: 0,3 MIN to 0,5 MAX barg @ 20 Deg C) of the SANITRX LPX allows for a significant cost and time savings benefit in that there is no requirement of third party inspection because PED is not applicable.
- Meets ASME BPE and USP Class VI criteria, including:
 - SF1 surface finish (0,5 Ra micrometers or better)
 - Solid metal construction provides cleanability for CIP/SIP applications
 - Fully traceable materials including USP Class VI certified gaskets
 - All components are free of polishing compounds, release agents and animal derivatives
- Lower installation and maintenance costs
- Increased productivity



Installation

Available to fit between industry standard sanitary ferrules and NA-CONNECT® flanges.

Additional Features

- Permanently attached three-dimensional flow direction tag provides immediate visual verification of proper rupture disc orientation within the piping system.
- Rupture disc can be operated to full vacuum
- Available with Continental Disc alarm systems to remotely signal when the rupture disc has burst
- SANITRX LPX rupture discs are available with the full support and expertise of our technical team

Standard Rupture Disc Specifications

- Sizes available: 40 mm, 50 mm, 80 mm
- Rupture disc and ring materials: 316 SS, 316L SS
- Gasket Materials (FDA and USP Class VI Compliant): Peroxide Cured Silicone¹, Platinum Cured Silicone, White VITON®, Black VITON®, White EPDM, Black EPDM, PTFE TEFLON®
- Burst Pressure: 0,3 MIN to 0,5 MAX barg @ 20 Deg C
- Maximum recommended operating ratio: 90% of MIN burst pressure
- Designed and tested for gas/vapor service

Related Products

- SANITRX LPX rupture discs are designed for installation directly between sanitary tube O.D. connections secured in place with a heavy-duty clamp, such as the Continental Disc MBC™ (Multi-Bolt Clamp) or a Sanitary Fitting Clamp



FOR MORE INFORMATION ON OUR CLAMPS, PLEASE SEE THE [SANITARY FITTINGS DATASHEET](#).

¹ Not available in (IS) seat type

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