

SANITRX HPX II

RUPTURE
DISC

DESIGNED FOR
HIGH PRESSURE
SANITARY
APPLICATIONS



The SANITRX HPX® II Rupture Disc is a semicircular scored reverse acting rupture disc designed specifically for applications in the pharmaceutical, food & beverage and biotech industries that require **pressures above SANITRX HPX®**. Available in sizes **1 ½" to 4"**, this rupture disc is available to fit between standard sanitary ferrules, NA CONNECT® flanges or SANITRX® fittings. SANITRX HPX II rupture discs are shipped in sanitary, environmentally friendly, non-toxic packaging.

APPLICATIONS

- Filters
- Autoclaves
- Bioreactors
- Process Vessels
- Heat Exchangers
- Storage & Transport Vessels
- Fermenters
- Clean Steam Piping
- WFI Vessels & Piping
- CIP & SIP Skids and Piping
- Lyophilizers (Freeze Drying)
- Mixing, Drying, Granulating Equipment

FEATURES

- Extreme cycling durability
- Choice of 90% or 95% maximum recommended operating ratio
- Precision scoring on the vent side of the rupture disc dome assures optimum cleanability and improves rupture disc performance
- All rupture discs include sanitary, environmentally friendly, non-toxic packaging
- 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
- Ideal for liquid or gas/vapor applications* *(see note on next page)*
- Available with the Continental Disc integral alarm system to remotely signal when the rupture disc has burst

BENEFITS

- Meets ASME BPE and USP class VI criteria including:
 - SF1 surface finish (20 Ra microinch 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 maintenance costs
- Increased productivity
- ASME Code Section VIII, Division 1 compliant. National Board Certified
 K_R flow resistance values: K_{RG} (gas) = 1.60 and K_{RL} (liquid) = 1.88



ASME Code Symbol Stamp
Available When Specified



Pressure Equipment Directive
Available When Specified



BURST PRESSURES //

The following table shows burst pressures available at 72°F (22°C)

SIZE	316 SS / 316L SS		HASTELLOY® C	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
	psig / barg	psig / barg	psig / barg	psig / barg
1½"	200	500	200	500
40 mm	13,8	34,5	13,8	34,5
2"	150	450	150	450
50 mm	10,3	31,0	10,3	31,0
3"	100	175	100	175
80 mm	6,89	12,1	6,89	12,1
4"	10	100	10	100
100 mm	0,689	6,89	0,689	6,89

Minimum and Maximum pressures are based upon the corresponding minimum and maximum of the manufacturing range at 72°F (22°C).

GASKET MATERIALS & TEMPERATURES //

The following gasket materials are readily available¹

FDA AND USP CLASS VI COMPLIANT GASKET MATERIALS	SERVICE TEMPERATURES			
	MINIMUM		MAXIMUM	
	°F	°C	°F	°C
Peroxide Cured Silicone ²	-80	-62	450	232
Platinum Cured Silicone	-80	-62	350	177
White VITON®	-20	-29	400	204
Black VITON®	-20	-29	400	204
White EPDM	-55	-48	275	135
Black EPDM	-55	-48	300	149
PTFE TEFLON®	-40	-40	450	232

¹ Other materials available upon request
² Not available in (IS or NA) seat types

Rating type, range and tolerance information is the same for the SANITRX HPX II as listed for the SANITRX HPX® rupture disc. Please see information regarding these details listed in the HPX Product Family literature.



For more information on our sanitary accessories offerings, please see our Sanitary Accessories datasheet.

**To optimize service life and rupture disc performance, Continental Disc Corporation manufactures and tests each SANITRX HPX II rupture disc order for compressible or incompressible relief conditions as required by your application. SANITRX HPX II rupture discs manufactured and tested only for compressible (gas/vapor) relief conditions may not function properly in an incompressible (liquid) application. Please state in your specifications and orders if a scenario exists for relief of incompressible media or if relief conditions exist only for compressible media.*

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