

## HPX Product Family Standard Burst Pressure Rating Types

The rupture discs in the following tables illustrate:

- Standard burst pressure rating types and ranges available
- The associated tolerances for the burst pressure rating
- How to determine the maximum recommended operating pressure

*Special ranges are available upon request.*

### Keep in mind:

- For compliance to ASME Section VIII, Division 1, the **RATED** rating type must be used
- For compliance with Pressure Equipment Directive (PED) (to carry the CE Mark) and the ISO 4126-2 standard, either the **SPECIFIED** or **MIN/MAX** rating type must be used



FOR MORE INFORMATION ON RATING TYPES, PLEASE SEE THE:  
[BURST RATING TYPES DATASHEET](#)



RATED RUPTURE DISC RATING TYPE				
PRODUCT	RATED BURST PRESSURE	MANUFACTURING RANGE	BURST TOLERANCE AROUND RATED (MARKED) BURST PRESSURE	MAXIMUM RECOMMENDED OPERATING PRESSURE
HPX-95 SANITRX HPX-95 SANITRX HPX II-95	above 40 psig above 2,76 barg	Zero	-5% / +5%	95% of Rated (Marked) Burst Pressure
	up to and including 40 psig up to and including 2,76 barg		-2 psig / +2 psig -0,138 barg / +0,138 barg	95% of [Rated (Marked) Burst Pressure - 2 psig] 95% of [Rated (Marked) Burst Pressure - 0,138 barg]
HPX-90 HPX-Ta SANITRX HPX-90 SANITRX HPX II-90	above 50 psig above 3,45 barg	Zero	-5% / +5%	90% of Rated (Marked) Burst Pressure
		-5%		
		-10%		
	above 40 up to and including 50 psig above 2,76 up to and including 3,45 barg	Zero		
		-2.5 psig -0,173 barg		
		-5 psig -0,345 barg		
up to and including 40 psig up to and including 2,76 barg	Zero	-2 psig / +2 psig -0,138 barg / +0,138 barg	90% of [Rated (Marked) Burst Pressure - 2 psig] 90% of [Rated (Marked) Burst Pressure - 0,138 barg]	
	-2.5 psig -0,173 barg			
	-5 psig -0,345 barg			

*Rating and Range is based on psig values, barg values are provided for reference*

# SPECIFIED RUPTURE DISC RATING TYPE

PRODUCT	SPECIFIED BURST PRESSURE	PERFORMANCE TOLERANCE	EQUIVALENT MANUFACTURING RANGE	MAXIMUM RECOMMENDED OPERATING PRESSURE	
HPX-95 SANITRX HPX-95 SANITRX HPX II-95	above 40 psig above 2,76 barg	-5% / +5%	Zero	100% of Min of Performance Tolerance	
	up to and including 40 psig up to and including 2,76 barg	-2 psig / +2 psig -0,138 barg / +0,138 barg		95% of Min of Performance Tolerance	
HPX-90 HPX-Ta SANITRX HPX-90 SANITRX HPX II-90	above 50 psig above 3,45 barg	-5% / +5%	Zero	95% of Min of Performance Tolerance	
		-9.75% / +5%	-5%		
		-14.5% / +5%	-10%		
	above 40 up to and including 50 psig above 2,76 up to and including 3,45 barg	-5% / +5%	Zero		
		$\left( \frac{[\text{SPEC } -2.5 \text{ psig}] 0.95}{\text{SPEC}} - 1 \right) 100\% / +5\%$	-2.5 psig -0,173 barg		
		$\left( \frac{[\text{SPEC } -0.173 \text{ barg}] 0.95}{\text{SPEC}} - 1 \right) 100\% / +5\%$	-5 psig -0,345 barg		
	up to and including 40 psig up to and including 2,76 barg	-2 psig / +2 psig -0,138 barg / +0,138 barg	Zero		90% of Min of Performance Tolerance
		-4.5 psig / +2 psig -0,311 barg / +0,138 barg	-2.5 psig -0,173 barg		
		-7 psig / +2 psig -0,483 barg / +0,138 barg	-5 psig -0,345 barg		

In table: SPEC = Specified Burst Pressure  
Rating and Range is based on psig values, barg values are provided for reference

**BURST PRESSURE RATINGS //**  
HPX FAMILY



# MIN/MAX RUPTURE DISC RATING TYPE

PRODUCT	MAX BURST PRESSURE	MIN =	EQUIVALENT MANUFACTURING RANGE	MAXIMUM RECOMMENDED OPERATING PRESSURE	
HPX-95 SANITRX HPX-95 SANITRX HPX II-95	above 42 psig above 2,90 barg	MAX / 1.05 x 0.95	Zero	100% of MIN Burst Pressure	
	up to and including 42 psig up to and including 2,90 barg	MAX - 4 psig MAX - 0,276 barg		95% of MIN Burst Pressure	
HPX-90 HPX-Ta SANITRX HPX-90 SANITRX HPX II-90	above 52.5 psig above 3,62 barg	MAX / 1.05 x 0.95	Zero	95% of MIN Burst Pressure	
		MAX / 1.05 x 0.95 x 0.95	-5%		
		MAX / 1.05 x 0.9 x 0.95	-10%		
	above 42 up to and including 52.5 psig above 2,90 up to and including 3,62 barg	MAX / 1.05 x 0.95	Zero		
		$(\text{MAX} / 1.05 - 2.5 \text{ psig}) 0.95$ $(\text{MAX} / 1.05 - 0,173 \text{ barg}) 0,95$	-2.5 psig -0,173 barg		
		$(\text{MAX} / 1.05 - 5 \text{ psig}) 0.95$ $(\text{MAX} / 1.05 - 0,345 \text{ barg}) 0,95$	-5 psig -0,345 barg		
	up to and including 42 psig up to and including 2,90 barg	MAX - 4 psig MAX - 0,276 barg	Zero		90% of MIN Burst Pressure
		MAX - 6.5 psig MAX - 0,449 barg	-2.5 psig -0,173 barg		
		MAX - 9 psig MAX - 0,621 barg	-5 psig -0,345 barg		

In table: MAX = MAX Burst Pressure and MIN = MIN Burst Pressure  
Rating and Range is based on psig values, barg values are provided for reference