

## DISC SELECTION GUIDE

A complete portfolio of solutions for the whole spectrum of pressure ranges in bioprocesses

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# **DISC SELECTION GUIDE**

	Life elfebrar		Operating Ratio	Tolerance	Size (inches)	Burst Pressure (psig)	Temperature Range (°F)	Flow Direction	Service	Vacuum Support Required	K <sub>R</sub> Value
FEATURED		<b>PURE-GARD</b> Pure-Gard is an innovative rupture disc assembly, with the disc electron-beam welded between two ferrules. This ensures the assembly is crevice-free and meets industry expectations for cleanability. It is installed separately to the gaskets, allowing the gaskets to be changed as often as needed without having to replace the disc.	Low / mid pressures 66	% +/- 3%	1 - 4	5 - 145	to 500	-	Liquid Gas Vapour	No	0.85 K <sub>rgl</sub>
			High pressures 656	% +/- 3%	1 - 4	20 - 300	to 500	•	Liquid Gas Vapour	No	1.74 K <sub>RGL</sub>
		<b>PRO-S</b> Reverse acting, high-performance sanitary rupture disc. The Pro-S is available with the OSS sanitary burst sensor.	90%	+/- 5%	1 - 4	16 - 150	-40 to 450		Liquid Gas Vapour	No	5.07 K <sub>RGL</sub>
	ASME	<b>OPTI-GARD FERRULE</b> Reverse acting, high-performance single disc solution for a wide range of sizes and burst pressures. Compatible with the Vent-Tel burst detector.	95%	+/- 3%	1 - 4	13 - 300	-40 to 392		Liquid Gas Vapour	No	1.74 K <sub>RGL</sub>
		<b>OPTI-GARD FERRULE SOLO</b> Reverse acting, high-performance rupture disc for low pressures. Compatible with the Vent-Tel burst detector.	95%	+/- 3%	1 - 4	5 - 75	-40 to 392	-	Liquid Gas Vapour	No	0.68 K <sub>RGL</sub>
	Carlos Ca	<b>BIOFLAT COMPOSITE</b> Forward acting flat disc with a composite disc-and-membrane design for ultra-low pressures. Compatible with the Vent-Tel burst detector.	60%	+/- 5%	1 - 4	3 - 20	-40 to 392	→ 	Liquid Gas Vapour	Yes	3.94 K <sub>RGL</sub>
		<b>SAFE-GARD FERRULE</b> Forward acting disc for ultra-high pressures. The metal disc is cross-scored for increased safety. Compatible with the Vent-Tel burst detector.	90%	+/- 5%	1 - 4	51 - 2,680	-40 to 392	→ ))	Liquid Gas Vapour	No	0.69 K <sub>RGL</sub>
		<b>VENT-TEL</b> Non-invasive, reusable burst detection system. If the disc activates, only the disc must be replaced - the detector can remain in use.	,				— n/a —				
	C 13	<b>TEST-TEL</b> Confirm correct disc and detector installation quickly and easily, and monitor disc and detector status without the need for a shutdown with the rugged, ATEX-approved Test-Tel.					n/a				





### What sets us apart?

#### Welded rupture disc cartridge assembly



- Proven cleanability in CIP and SIP processes
- Use your own gaskets
- Re-use the cartridge after replacing gaskets
- 3-year warranty as standard

#### Non-invasive, reusable burst detection



- No leak paths
- No false alarms due to pressure fluctuations
- No re-wiring needed after disc activation
- Long-term cost savings as the sensor can be re-used

#### Fully supported rupture discs with integrated gasket

- Unique, integrated disc-and-gasket construction ensures full-face metal support across the ferrule platform
- Eliminates leakage common with other gasket designs
- Extremely tolerant to pipe misalignment

Let us help you with all your pressure relief questions.

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