



# DISC SELECTION GUIDE

*A complete portfolio of solutions for all of your chemical processing needs.*



# DISC SELECTION GUIDE

			Operating Ratio	K <sub>R</sub> Value	Size	Burst Pressure (psig)	Non-Fragmenting	Flow Direction	Service	Vacuum Support Required	Holder	
FEATURED		<b>OSECO SAFETY CARTRIDGE™</b> The Oseco Safety Cartridge is an innovative rupture disc solution designed to eliminate leaks, eliminate installation errors and increase safety. The patented welded design allows the three components of a traditional rupture disc system to be combined into one hermetically sealed component.	OPR+	95%	0.78 K <sub>R</sub>	1–12"	10–1160	Yes		LGV	No	One Piece Unit
		FAS	90%	0.223 K <sub>RG</sub> 0.19 K <sub>RL</sub>	1–8"	80–2000	Yes		LGV	No	One Piece Unit	
		<b>LoKr™</b> Technically advanced reverse buckling rupture disc. The best-in-class low K <sub>R</sub> value and high Free Flow Area maximises pressure relieving performance while providing superior reliability and extraordinary service life.		95%	0.22 K <sub>RGL</sub>	1–12"	10–2500	Yes		LGV	No	LKR 
		<b>FAS</b> Forward acting rupture disc with the lowest K <sub>R</sub> in the industry, designed for demanding rupture disc applications.		90%	0.223 K <sub>RG</sub> 0.19 K <sub>RL</sub>	1–24"	30–5000	Yes		LGV	No	FRDI 
		<b>OPR+/OPK+</b> High performance single disc solution across a wide range of sizes and burst pressures. Compatible with our non-invasive, reusable Flo-Tel burst detection.		95%	0.78 K <sub>RGL</sub>	1–24"	5–1160	Yes		LGV	No	OPH 
		<b>(F)CO</b> Designed to rupture at very low pressures, consists of a slotted top section and a Fluoropolymer or metal seal.		80%	0.5 K <sub>RGL</sub>	11/16–42"	3–1000	Yes		LGV	Yes	FRDI 
		<b>GTM</b> Our GraphiTech flat rupture disc is manufactured from resin-impregnated graphite for use in highly corrosive applications.		90%	0.6 K <sub>RGL</sub>	1–24"	1–400	No		LGV	Yes	N/A
		<b>PLR</b> Precision low-pressure rupture disc manufactured for high performance in demanding applications.		90%	N/A	1–12"	2–165	Yes		LGV	No	PRDI 
		<b>MV-RD</b> Domed explosion vent designed for high cycling applications such as dust collectors, bag houses, and bulk storage units that experience vacuum pressures up to 12 psig/24.4 inHG.		80%	N/A	12x12–36x44"	1–14	Yes	N/A	N/A	No	N/A

Standard materials for rupture discs are 316 Stainless Steel, Nickel 200/201, Inconel 600, Monel 400, Hastelloy C-276.  
Standard material for holders is 316 Stainless Steel. Consult factory for other options.

Full product line available at [osecoelfab.com](https://osecoelfab.com)



# Our Products and Services Provide Complete Peace of Mind

## PRODUCT LINE



### Oseco Safety Cartridge™

*Single piece unit eliminates multiple leak paths*



### Ultra High Pressure Scored Reverse Buckling Disc Assembly

*HPSR: Single piece unit designed for a burst pressure over 6,000 psig*



### High Performance Reverse Buckling Discs

*LoKr: Best-in-class low  $K_R$  value*



*OPR+/OPK+: Non-invasive burst detection system*



### High Performance Forward Acting Scored Disc

*FAS™: Lowest  $K_R$  value available for forward acting discs*



### Composite Rupture Disc



### Standard Rupture Disc



### Explosion Protection



### Burst Detection Sensors

## SERVICES

Engineering and Maintenance  
Training Seminars

Safety Surveys

Custom Engineered Solutions

Expedited Shipments

Emergency Response Team

24/7/365 Customer Service

Let us help you with all  
your pressure relief questions.

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