

DISC SELECTION GUIDE

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





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DISC SELECTION GUIDE

••••			Opera	ating Ratio	K _R Value	Size	Burst Pressure (psig)	Non- Fragmenting	Flow Direction	Service	Vacuum Support Required	Holder
FEATURED	OSECO BAFETY CARTRIDGE PAT. US. 10,228,069 B2	OSECO SAFETY CARTRIDGE [™] 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 _R	1–12"	10–1160	Yes		LGV	No	One Piece Unit
			FAS	90%	0.223 K _{RG} 0.19 K _{RL}	1–8"	80-2000	Yes		LGV	No	One Piece Unit
	Patent pending	LoKr Technically advanced reverse buckling rupture disc. The best-in-class low K_R value maximizes pressure relieving performance while providing superior reliability and extraordinary service life.	95%		0.22 K _{rgl}	1–12"	10-2500	Yes		LGV	No	LKR
		FAS Forward acting rupture disc with the lowest K _R in the industry, designed for demanding rupture disc applications.	ge 95%		0.223 K _{RG} 0.19K _{RL}	1–24"	40–5000	Yes		LGV	No	FRDI
• • •		OPR+/OPK+ High performance single disc solution across a wide range of sizes and burst pressures. Compatible with our non-invasive, reusable Flo-Tel burst detection.			0.78 K _{rgl}	1–24"	5–1160	Yes	-	LGV	No	ОРН
		(F)CO Designed to rupture at very low pressures, consists of a slotted top section and a Fluoropolymer or metal seal.	80%		0.5 K _{rgl}	11/16–42"	3–1000	Yes	-	LGV	Yes	FRDI
		GTM Our GraphiTech flat rupture disc is manufactured from resin-impregnated graphite for use in highly corrosive applications.			0.6 K _{rgl}	1–24"	1–400	No	→	LGV	Yes	N/A
· · ·		PLR Precision low-pressure rupture disc manufactured for high performance in demanding applications.			N/A	1–12"	2–165	Yes	-	LGV	No	PRDI
		MV-RD 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



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

FASTM: 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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