

## DISC SELECTION GUIDE

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



		Operating Ratio	K <sub>R</sub> Value	Size (mm)	Burst Pressure (barg)	Non- Fragmenting	Flow Direction	Service	Vacuum Support Required	Holder
SAFETY 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.	95%	0.78 K <sub>R</sub>	25-300	0.69-79.98	Yes	<b>→</b> (	Liquid Gas Vapour	No	One Piece Unit
		90%	0.223 K <sub>RG</sub> 0.19 K <sub>RL</sub>	25-200	5.5-137.9	Yes	<b>→</b>	Liquid Gas Vapour	No	One Piece Unit
Patent pending (*SME)	<b>L</b> ⊕ <b>Kr</b> <sup>TM</sup> 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>	25–300	0.62–137.9	Yes		Liquid Gas Vapour	No	LKR
(S <sub>NE</sub> )	OPTI-GARD Reverse acting, high performance single disc solution across a wide range of sizes and burst pressures.	95%	1.74 K <sub>RGL</sub>	25-600	0.35-70	Yes	-	Liquid Gas Vapour	No	REV
(S <sub>NE</sub> )	OPTI-GARD SOLO An innovative, low pressure rupture disc that works reliably even in demanding process conditions.	95%	0.8 K <sub>RGL</sub>	25-150	0.14-4.14	Yes	<b>→</b>	Liquid Gas Vapour	No	REV
To the state of th	MILLI-GARD  Designed for ultra-low burst pressure requirements.  Can act as a single disc solution for either positive pressure or vacuum protection.	60%	N/A	50-300	3-500 (mbarg)	Yes	-	Liquid Gas Vapour	Yes	REV
WAS TOUR !!!!	SAFE-GARD Forward acting rupture disc that combines the versatility of conventional metal discs with the performance benefits of scored technology.	90%	0.68 K <sub>PL</sub>	15-500	3.1-185	Yes	<b>→</b>	Liquid Gas Vapour	Yes	STD
	<b>FAS</b> Forward acting rupture disc with the lowest $K_{\rm R}$ in the industry, designed for demanding rupture disc applications.	90%	0.223 K <sub>RG</sub> 0.19 K <sub>RL</sub>	25-600	2.07-344.7	Yes	<b>→</b>	Liquid Gas Vapour	Yes	FRDI
	FLO-TEL A reusable burst sensor that is non-invasive to the process and is therefore unaffected by downstream pressure fluctuations or corrosion.	N/A	N/A	N/A	N/A	Yes	N/A	N/A	No	N/A



## 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 acting disc assembly

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



High-performance reverse acting discs

LoKr: Best-in-class K, value



Opti-Gard: Versatile single disc solution



Opti-Gard SoLo: Innovative low pressure disc



High-performance forward acting scored disc

Safe-Gard: Low K<sub>R</sub> value



**Burst detection sensors** 



**Explosion protection** 



Pressure gauges

## **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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