



DISC SELECTION GUIDE

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



A **Halma** company

DISC SELECTION GUIDE

			Operating Ratio	K _R Value	Size	Burst Pressure (psig)	Non-Fragmenting	Flow Direction	Service	Vacuum Support Required	Holder	
FEATURED		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	
	PRO+KRGL Reverse buckling rupture disc with industry leading K _R value, manufactured for high-cycling applications.	95%	0.69 K _{RGL}	1–10"	3–1000	Yes		LGV	No	PRDI 		
	FAS Forward acting rupture disc with the lowest K _R in the industry, designed for demanding rupture disc applications.	90%	0.223 K _{RG} 0.19 K _{RL}	1–24"	30–5000	Yes		LGV	No	FRDI 		
	OPR+/OPK+ High performance single disc solution across a wide range of sizes and burst pressures.	95%	0.78 K _{RGL}	1–24"	5–1160	Yes		LGV	No	OPH 		
	(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.	90%	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.	90%	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		

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

Pro+ KRGL: Industry leading K_R value

OPR+/OPK+: Innovative non-invasive burst detection system



High Performance Forward Acting Scored Disc

FAS™: Lowest K_R value available in the market



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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