



# ***DISC SELECTION GUIDE***

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

*Represented in the  
UK and Ireland by*



A Halma company

# DISC SELEC

FEATURED



## OSECO SAFETY CARTRIDGE™

The Oseco Safety Cartridge is an innovative rupture disc solution designed to eliminate leaks, installation errors, and increase safety. Oseco's patented design allows three components of a traditional rupture disc system to be combined into one hermetically sealed component.

Operating Ratio

OPR

95%

FAS

90%



## ELFAB OPTI-GARD

Reverse buckling high performance single disc solution across a wide range of sizes and burst pressures.

95%



## ELFAB SAFE-GARD

Forward acting rupture disc that combines the versatility of conventional metal discs with the performance benefits of scored technology

90%



## ELFAB OPTI-GARD SOLO

An innovative, low pressure rupture disc that works reliably even in demanding process conditions.

95%



## OSECO FAS

Forward acting rupture disc with the lowest  $K_R$  in the industry, designed for demanding rupture disc applications.

90%



**ELFAB MILLI-GARD** Designed for ultra-low burst pressure requirements. Can act as a single disc solution for either positive pressure or vacuum protection

60%



**ELFAB UNIVERSAL ARMA-GARD** A non-torque sensitive graphite rupture disc, Universal Arma-Gard has a holderless design for easy installation between industry standard flanges

85%



**ELFAB FLO-TEL** Flo-Tel is non-invasive to the process and is therefore unaffected by downstream pressure fluctuations or corrosion.

N/A

# CTION GUIDE

$K_R$ Value	Size	Burst Pressure	Non-Fragmenting	Flow Direction	Service	Vacuum Support Required	Holder
0.78 $K_{RGL}$	1-12"	10-1160	Yes		LGV	No	One Piece Unit
0.223 $K_{RG}$ 0.19 $K_{RL}$	1-8"	80-2000	Yes		LGV	No	One Piece Unit
1.74 $K_{RGL}$	25mm-600mm 1-24"	0.35-70 (barg) 5-1015 (psig)	Yes		LGV	No	REV 
0.68 $K_{RL}$	15mm-500mm 1/2-20"	3.1-185 (barg) 51-2680 (psig)	Yes		LGV	No	STD 
0.8 $K_{RGL}$	25mm-150mm 1-6"	0.14-4.14 (barg) 2-60 (psig)	Yes		LGV	No	REV 
0.223 $K_{RG}$ 0.19 $K_{RL}$	25mm-600mm 1-24"	2.07-344.7 (barg) 30-5000 (psig)	Yes		LGV	Yes	FRDI 
N/A	50mm-300mm 2-12"	3-500 (mbarg) 0.044-7.25 (psig)	Yes		LGV	Yes	REV 
0.69 $K_{RGL}$	25mm-350mm 1-14"	0.03-55 (barg) 0.44-798 (psig)	No		LGV	Yes	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-Buckling Disc Assembly

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



### High Performance Reverse-Buckling Disc

**Elfab Opti-Gard:** *Industry leading  $K_R$  value*

**Elfab Opti-Gard SoLo** *Innovative low pressure disc*



### High Performance Forward-Acting Scored Disc

**Elfab Safe Gard:** *Low  $K_R$  value*



### Burst Detection Systems



### Explosion Protection



### Pressure Gauges

## SERVICES

Engineering and  
Maintenance  
Training Seminars

Safety Surveys

Custom Engineered  
Solutions

Expedited Shipments

Emergency  
Response Team

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