



# DISC SELECTION GUIDE

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



A **Halma** company

# DISC SELECTION GUIDE

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.

Operating Ratio

K<sub>R</sub> Value

Size  
(mm)

Burst  
Pressure  
(barg)

Non-  
Fragmenting

Flow  
Direction

Service

Vacuum  
Support  
Required

Holder

OPR+

95%

0.78 K<sub>R</sub>

25-300

0.69-79.98

Yes



Liquid  
Gas  
Vapour

No

One Piece Unit

FAS

90%

0.223 K<sub>RG</sub>  
0.19 K<sub>RL</sub>

25-200

5.5-137.9

Yes



Liquid  
Gas  
Vapour

No

One Piece Unit



## LeKr™

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

0.69-172.3

Yes



Liquid  
Gas  
Vapour

No

LKR



## 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



## 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



Liquid  
Gas  
Vapour

No

REV



## 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



## 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>RL</sub>

15-500

3.1-185

Yes



Liquid  
Gas  
Vapour

Yes

STD



## FAS

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>

25-600

2.8-344.7

Yes



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  $K_R$  value*



**Opti-Gard:** *Versatile single disc solution*



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



### High-performance forward acting scored disc

**Safe-Gard:** *Low  $K_R$  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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