



# DISC SELECTION GUIDE

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



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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+  
FAS

Operating Ratio

K<sub>R</sub> Value

Size

Burst Pressure (psig)

Non-Fragmenting

Flow Direction

Service

Vacuum Support Required

Holder

95%

0.78 K<sub>R</sub>

1-12"

10-1160

Yes



LGV

No

One Piece Unit

90%

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

1-8"

80-2000

Yes



LGV

No

One Piece Unit



## LoKr

Technically advanced reverse buckling rupture disc. The best-in-class low K<sub>R</sub> value maximizes pressure relieving performance while providing superior reliability and extraordinary service life.

95%

0.22 K<sub>RGL</sub>

1-12"

10-2500

Yes



LGV

No

LKR



## 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>

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.

95%

0.78 K<sub>RGL</sub>

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<sub>RGL</sub>

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<sub>RGL</sub>

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

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

*LoKr: Best-in-class low  $K_R$  value*



*OPR+/OPK+: Non-invasive burst detection system*



### High Performance Forward Acting Scored Disc

*FAS™: 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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