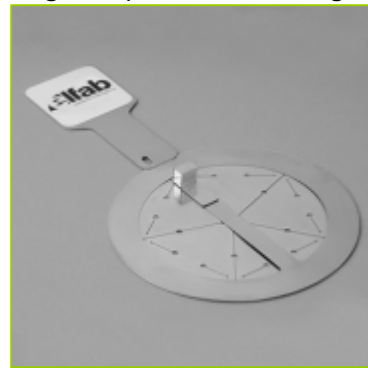


## Flat Composite (FC)

### Economic solution for very low pressure applications

The forward acting Flat Composite rupture disc is of a composite design with a unique tri-membrane construction. This non-fragmenting composite disc brings enhanced protection, reliability and leak tightness, with various slotting arrangements available to meet the specific application requirements.

- Non-fragmenting design
- Compatible with liquid, gas and vapour
- Up to 40% operating ratio
- Widest size range of any product type



## Flat Composite (FC)

Specification	
<b>Size Range</b>	25mm to 800mm (1" to 32")
<b>Burst Pressure Range</b>	0.07 barg to 3.5 barg (1 psig to 50 psig)
<b>Temperature Range</b>	See our website for further details
<b>Maximum Operating Ratio</b>	40% of minimum burst pressure (36% of nominal burst pressure)
<b>Fragmentation on Burst</b>	Non-fragmenting design
<b>Relief Valve Isolation</b>	Suitable
<b>Vacuum Service</b>	Back pressure support required
<b>Fluid Compatibility</b>	Liquid, Gas or Vapour
<b>K<sub>R</sub> Values</b>	2.2
<b>Torque Sensitive</b>	No
<b>Cycle Life</b>	Poor
<b>Material Range</b>	Stainless Steel as Standard. Others Available
<b>Reversal Ratio</b>	<1 (fail safe) Dependent on Back Pressure Support
<b>Damage Ratio</b>	<1 (fail safe)
<b>Leak Tightness</b>	Good
<b>Performance Tolerance</b>	+/- 10% (zero manufacturing design range)
<b>Protective Linings</b>	Not Available
<b>Disc Surface Finish</b>	N/A