

## Opti-Gard™ (OP)

Specification	
<b>Size Range</b>	25mm to 600mm (1" to 24")
<b>Burst Pressure Range</b>	0.9 barg to 70 barg (13 psig to 1015 psig)
<b>Temperature Range</b>	See our website for details
<b>Maximum Operating Ratio</b>	95% of minimum burst pressure (92% of nominal burst pressure)
<b>Fragmentation on Burst</b>	None fragmenting design
<b>Relief Valve Isolation</b>	Excellent
<b>Vacuum Service</b>	Full Vacuum
<b>Fluid Compatibility</b>	Liquid, Gas or Vapour
<b>K<sub>R</sub> Values</b>	5.5 (knuckle > 10barg) 2.9 (no knuckle ≤ 10barg) 1.19 (no knuckle, no detection)
<b>Torque Sensitive</b>	No
<b>Cycle Life*</b>	Tested to over 100,000 pressure-vacuum cycles*
<b>Material Range</b>	Hastelloy as standard. Others Available
<b>Reversal Ratio</b>	N/A with offset tag + system-loc
<b>Damage Ratio</b>	<1 (fail safe)
<b>Leak Tightness</b>	Excellent
<b>Performance Tolerance</b>	+/- 3% (zero manufacturing design range)
<b>Protective Linings</b>	Available on vent side
<b>Disc Surface Finish</b>	N/A

(\* from full vacuum to 95% of the minimum burst pressure)

The logo for elfab pressure intelligence. The word "elfab" is written in a bold, lowercase, sans-serif font. To its right, the words "pressure" and "intelligence" are stacked vertically in a smaller, lowercase, sans-serif font. A thin, curved line arches over the text, starting from the top of the "elfab" and ending at the top of the "intelligence".

elfab  
pressure  
intelligence