

## OE5

### Free Flow Area (Minimum Net Flow Area)

Connection Type/Size	Min FFA
1/8" (3mm)	7.07mm <sup>2</sup>
4mm	12.57mm <sup>2</sup>
5mm	19.64mm <sup>2</sup>
1/4" (6mm)	28.28mm <sup>2</sup>
8mm	50.27mm <sup>2</sup>
3/8" (10mm)	78.55mm <sup>2</sup>
11mm	95.05mm <sup>2</sup>
1/2" (12mm)	113.11mm <sup>2</sup>
3/4" (19mm)	283.57mm <sup>2</sup>
1" (25mm)	490.94mm <sup>2</sup>

### Burst Pressures

Disc	Material	Nominal Bore of Disc	Burst Pressure Range @ 15-30C		Tolerance	Max Operating Ratio
			Stainless Steel			
			Minimum	Maximum		
Forward (Tension Loaded)	Nickel	3mm	50barg (725psig)	1034barg (15,000psig)	+/-10%	90%
		5mm	45barg (652.5psig)	1034barg (15,000psig)		
		7mm	40barg (580psig)	1034barg (15,000psig)		
		10mm	30barg (435psig)	1034barg (15,000psig)		
		15mm	20barg (290psig)	1034barg (15,000psig)		
	Stainless Steel	3mm	55barg (797.5psig)	1034barg (15,000psig)		
		5mm	50barg (725psig)	1034barg (15,000psig)		
		7mm	45barg (652.5psig)	1034barg (15,000psig)		
		10mm	35barg (507.5psig)	1034barg (15,000psig)		
		15mm	25barg (362.5psig)	1034barg (15,000psig)		

## Temperature Range

Body Material	Temperature C (F)	
	Min	Max
Stainless Steel	-70C (-94F)	400C (752 F)

## Leak Tightness

Stainless Steel Body	
Electron Beam Welded	Helium Leak tested and tight to $1 \times 10^{-8}$ mbar.l/sec