

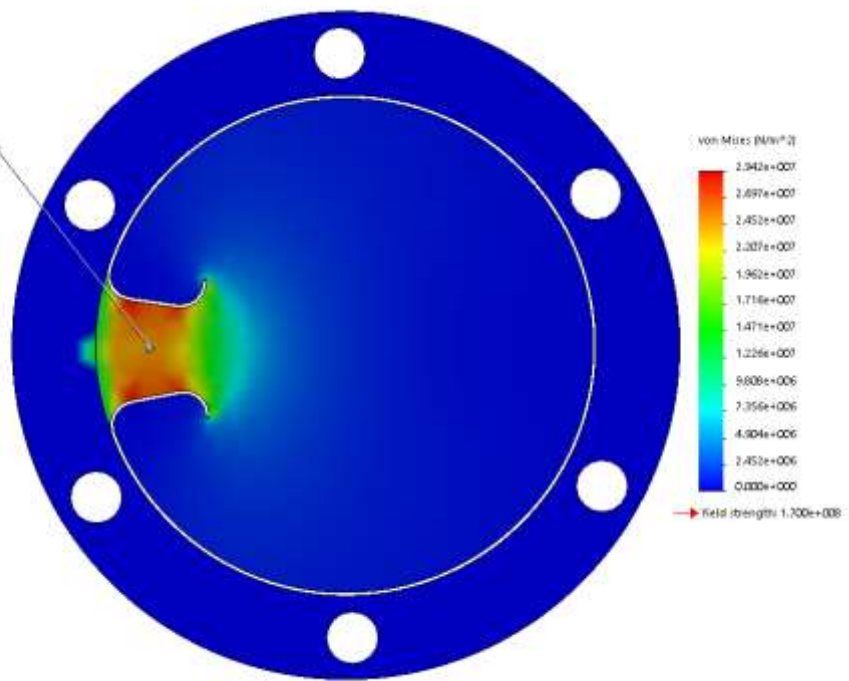
Pressure 30 Pa

Orientation – Vertical (no significant gravity effect)

Diaphragm – 0.1mm thickness stainless steel, Diameter 30mm

Von Mises Stress at strain gauge – 25 MPa

Maximum deflection – 0.53 mm



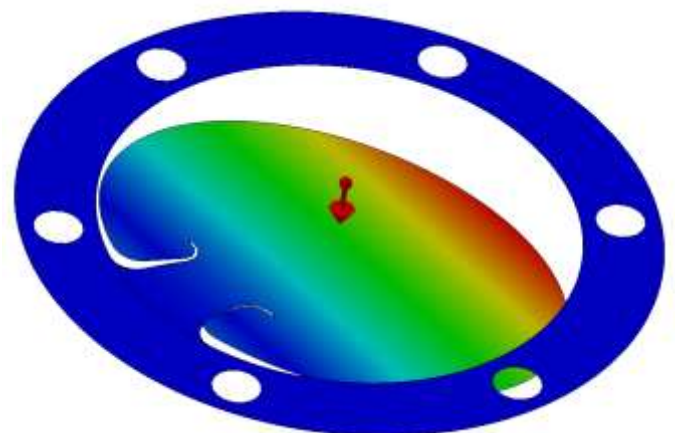
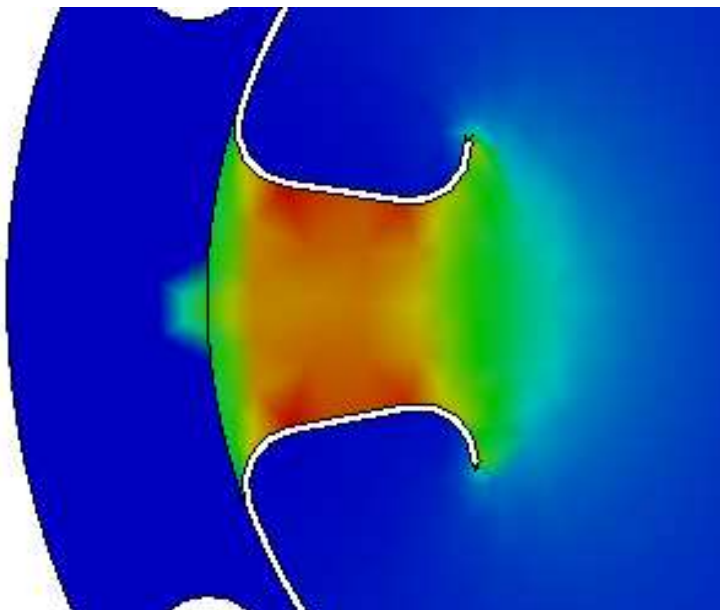
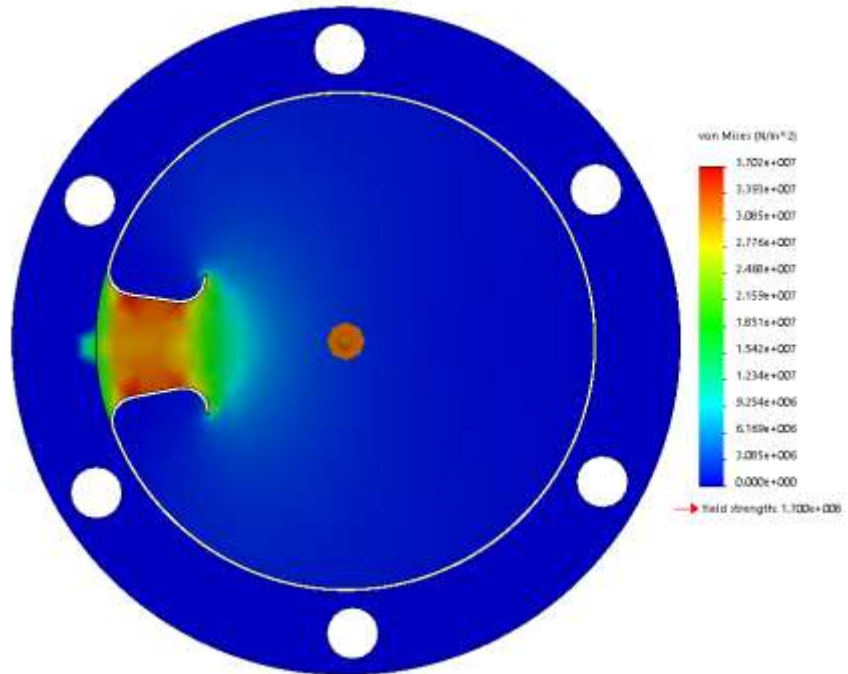
Pressure 30 Pa

Orientation – Horizontal – gravity in direction of pressure

Diaphragm – 0.1mm thickness stainless steel, Diameter 30mm

Von Mises Stress at strain gauge – 31 MPa

Maximum deflection – 0.67 mm



Exaggerated deformation

Pressure 30 Pa

Orientation – Horizontal – gravity in
direction of pressure

Diaphragm – 0.05mm thickness stainless
steel, Diameter 24mm

Von Mises Stress at strain gauge – 55 MPa

Maximum deflection – 1.6 mm

