APPLICATIONS
Diaphragm seal gauges commonly known as "Schaffer Diaphragm" gauges are designed and recommended to isolate the measuring system of a pressure gauge from corrosive, pasty or dangerous fluid depending on the viscosity, pressure, temperature, solidification of a particular process medium.

STANDARD SPECIFICATION
Mechanical Diaphragm Seal Gauge (Weatherproof Construction to IP66)

Sizes
100 and 150 mm

Case/ Bezel
304 Stainless Steel (316 Stainless Steel can be supplied on request)

Socket & Diaphragm
316 Stainless Steel

Movement
Stainless Steel Construction

Blowout Protection
S1 Blow-out device

Dial
White Anodised Aluminium (Black Printing)

Pointer
Black Aluminium

Window
Sheet Glass

Traceability
All instruments are individually calibrated and have an unique Serial Number.

Certification available on request
- Certificate of Conformity Traceable to National Standards
- Group Certification (Pressure Test Calibration Statement)
- Point to Point Test Certificate
- BS EN 10204 3.1 Material Certification

Safety
All units are manufactured to comply with EN 837-3, S1 specification and other regulatory standards including PED 2014/68/EU.

Installation instructions
Refer to EN 837-2 and our Guidance On Use of Equipment data sheet.

Accuracy class

<table>
<thead>
<tr>
<th>ACCURACY CLASS EN837-1</th>
<th>0 - 25 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>100mm</td>
<td>1.6</td>
</tr>
<tr>
<td>150mm</td>
<td>1.6</td>
</tr>
<tr>
<td>Overpressured</td>
<td>1.25 FSD</td>
</tr>
</tbody>
</table>

Options: 1.5% on 100 & 150mm (Consult Sales)

Scale Range
Vacuum / Compound to -1 to 0 to -1 to 24 bar (Where applicable)
Standard 0 to 25 bar
Or other equivalent units of pressure or vacuum

Operating Temperature Range EN837
-20° to 60°C (-4°F to 140°F) without loss of accuracy.

Temperature Error
Additional error when temperature changes from reference
Temperature of 20°C (68°F) ±0.4% for every 10°C (18°F) rising or Falling % of span

See Page-2 for Dimension,

Optional Extras
- Micro adjustable pointer /Black finish
- Optional dial materials & Custom markings
- ISO 15156 / NACE MR-01-75 wetted parts
- Laminated safety glass / Perspex window
- Customer logo printed on dial
- Nitelitgage® (See data sheet)
- Fitted with electrical contacts (See data sheet)
- Gauge overpressure up to 130% of FSD

Further options on request

Available with a wide range of accessories
Syphons, Snubbers, Overrange gauge protectors, Swivel Adaptors, Valves, Manifolds etc ensures that STEWARTS can provide you with the right product to suit any individual application or requirement.

Ordering Parameters, Please state the following: SIZE, MODEL NO, SCALE RANGE, CONNECTION, PRESSURE MEDIUM & OPTIONAL EXTRAS

Specifications and dimensions in this leaflet, are subject to change without prior notice.
MODELS - 2012 2013 Series

Mechanical Diaphragm Seal Pressure Gauges

MODEL - 2012
Threaded Connection
RANGE - Vacuum to 25 bar

MODEL - 2012
Threaded Connection
RANGE - 40 - 400 mbar

MODEL - 2013/F
Flanged Connection
RANGE - Vacuum to 25 bar

MODEL - 2013/F
Flanged Connection
RANGE - 40 - 400 mbar

General Arrangement Dimensions in mm, tol' ± 1mm

<table>
<thead>
<tr>
<th>Dialø</th>
<th>Dim</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; (100mm)</td>
<td></td>
<td>102</td>
<td>112</td>
<td>48.5</td>
<td>99</td>
<td>94</td>
<td>87.5</td>
<td>17</td>
<td>22</td>
<td>152.4</td>
</tr>
<tr>
<td>6&quot; (150mm)</td>
<td></td>
<td>127.1</td>
<td>161.7</td>
<td>48.5</td>
<td>148</td>
<td>94</td>
<td>113.2</td>
<td>15.2</td>
<td>22</td>
<td>152.4</td>
</tr>
</tbody>
</table>