Sealgauge® Flush Diaphragm Sanitary Pressure Gauges
Stainless Steel Case, Stainless Steel Wetted Parts
Type 432.55 - Dry Case
Type 433.55 - Liquid-Filled Case

Applications
- Suitable for food, biological, pharmaceutical and other industries requiring sanitary process connections
- Quick release connection allows for direct, fast installation and removal in sanitary piping systems.
- Stainless steel diaphragm mechanically linked to the movement - allows a dry measuring system with no pressure transmitting fluid

Special features
- Stainless steel wetted parts and case
- Built to withstand corrosive, highly viscous and crystallizing medium
- No pressure transmitting fluid

Description
Sizes (all sizes not stocked)
4” and 6” (100 and 160 mm)

Accuracy class
± 1.5% of span

Ranges
Vacuum / compound to 30” HG / 0 / 130
Pressure from 10 psi to 145 psi

Working range
Steady: full scale value
Fluctuating: 0.9 x full scale value

Overpressure safety
1.5 X full scale, minimum
40 X full scale, maximum (range dependent)

Operating temperature
Ambient: -4°F to +140°F (-40°C to +60°C)
Media: max. 302°F (+150°C)

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

Process connection
2” Tri-Clamp® connection
Material: 316L stainless steel
(17-7 PH stainless steel for >100 psi)

Diaphragm element
Material: 316L stainless steel
(17-7 PH stainless steel for >100 psi)

Movement
Material: stainless steel

Dial
White aluminum with black lettering

Pointer
Black aluminum

Case
304 stainless steel with blow-out disk and stainless steel bayonet ring
Lower mount (LM)

Weather protection
Weather resistant (NEMA 4X / IP 54) - dry case
Weather tight (NEMA 4X / IP 65) - liquid-filled case

Standard scales
psi or inches of H2O

Window gasket
Buna-N

Window
Laminated safety glass
Order Options (min. order may apply)
- Higher overpressure protection
- Instrument glass window
- Acrylic window
- Process connection styles and sizes
- Connector location at 3, 9, or 12 o’clock
- DIN standards
- Custom dial layouts
- Additional pressure scales available
- Alarm contact switches magnetic and inductive
- Wetted parts and external metallic components electropolished

Dimensions:

<table>
<thead>
<tr>
<th>TYPE</th>
<th>WEIGHT</th>
<th>G</th>
<th>KEY</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>H</th>
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</thead>
<tbody>
<tr>
<td>43X.55</td>
<td>1.4 lbs.</td>
<td>2 in.</td>
<td>mm</td>
<td>100</td>
<td>19</td>
<td>19</td>
<td>85</td>
<td>15</td>
<td>48</td>
<td>64</td>
</tr>
<tr>
<td>43X.55</td>
<td>1.9 lbs.</td>
<td>2.5 in.</td>
<td>mm</td>
<td>100</td>
<td>19</td>
<td>19</td>
<td>85</td>
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<td>48</td>
<td>77.5</td>
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<tr>
<td>43X.55</td>
<td>2.6 lbs.</td>
<td>3 in.</td>
<td>mm</td>
<td>100</td>
<td>19</td>
<td>19</td>
<td>85</td>
<td>15</td>
<td>48</td>
<td>91</td>
</tr>
<tr>
<td>43X.55</td>
<td>2.3 lbs.</td>
<td>2 in.</td>
<td>mm</td>
<td>160</td>
<td>19</td>
<td>19</td>
<td>115</td>
<td>15</td>
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<td>64</td>
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<tr>
<td>43X.55</td>
<td>2.8 lbs.</td>
<td>2.5 in.</td>
<td>mm</td>
<td>160</td>
<td>19</td>
<td>19</td>
<td>115</td>
<td>15</td>
<td>48</td>
<td>77.5</td>
</tr>
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<td>43X.55</td>
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Tri-Clamp® Connection