These Selection Guides are for quick comparison of similar products. Please refer to the website for complete product information and specifications.
### Differential Pressure

#### Accessories

<table>
<thead>
<tr>
<th>Series</th>
<th>A-464</th>
<th>A-320-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessory</td>
<td>Surface mounting kit</td>
<td>Flush mounting kit</td>
</tr>
<tr>
<td>Orientation</td>
<td>9-1/2&quot; x 9-1/2&quot;</td>
<td>9-1/2&quot; x 9-1/2&quot;</td>
</tr>
<tr>
<td>Material</td>
<td>White ABS plastic</td>
<td>ABS</td>
</tr>
<tr>
<td>Enclosure</td>
<td>N/A</td>
<td>N/M4-A (IP65)</td>
</tr>
<tr>
<td>Scale Customization</td>
<td>Customized logos/company name</td>
<td>As per customer requirement</td>
</tr>
<tr>
<td>Part Sold Separately</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

#### Material

- ABS plastic
- White ABS plastic
- ABS
- Printed on aluminum scale

#### Dimensions

- 4-1/2˝ x 4-1/2˝
- 4-23/32˝ x 3-37/64˝ x 6-19/64˝
- As per customer requirement

### Differential Pressure

#### Pressure Gages/Switches

<table>
<thead>
<tr>
<th>Series</th>
<th>OH3</th>
<th>A3000</th>
<th>43000</th>
<th>3000MR</th>
<th>3000MRS</th>
<th>MP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ranges</td>
<td>0.25 to 100 in w.c. (60 Pa to 248.8kPa) (Bi-directional ranges available)</td>
<td>0.25 to 100 in w.c. (60 Pa to 248.8kPa) (Bi-directional ranges available)</td>
<td>0 to 6.5 in w.c. up to 0 to 600 in w.c.</td>
<td>0 to 2.5 in w.c. up to 6 in w.c.</td>
<td>0 to 2.5 in w.c. up to 60 in w.c. (0 to 4 kPa)</td>
<td>0 to 2.5 in w.c. up to 60 in w.c. (0 to 4 kPa)</td>
</tr>
<tr>
<td>Service</td>
<td>Air and non-combustible, compatible gases</td>
<td>Air and non-combustible, compatible gases</td>
<td>Air and non-combustible, compatible gases</td>
<td>Air and non-combustible, compatible gases</td>
<td>Air and non-combustible, compatible gases</td>
<td>Air and non-combustible, compatible gases</td>
</tr>
<tr>
<td>Wetted Materials</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
</tr>
<tr>
<td>Housing</td>
<td>Aluminum, glass</td>
<td>ABS plastic, UL approved 94 V-0</td>
<td>Die cast aluminum case and bezel</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Switch Type</td>
<td>2/SPDT</td>
<td>2/SPDT</td>
<td>2/DPDT</td>
<td>2/DPDT</td>
<td>2/SPDT</td>
<td>2/SPDT</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.5% FS</td>
<td>±0.5% FS</td>
<td>±0.5% FS (±1% or ±1.5 for certain ranges)</td>
<td>±2% FS (±3% or ±4% for certain ranges)</td>
<td>±2% FS (±3% or ±4% for certain ranges)</td>
<td>±2% FS (±3% or ±4% for certain ranges)</td>
</tr>
<tr>
<td>Process Connection</td>
<td>1/8˝ female NPT</td>
<td>1/8˝ female NPT</td>
<td>1/4˝ female NPT</td>
<td>1/8˝ female NPT</td>
<td>1/8˝ female NPT</td>
<td>1/8˝ female NPT</td>
</tr>
<tr>
<td>Temperature Limits</td>
<td>32 to 140°F (0 to 60°C)</td>
<td>32 to 140°F (0 to 60°C)</td>
<td>20 to 120°F (-6.67 to 48.9°C)</td>
<td>20 to 120°F (-6.67 to 49°C)</td>
<td>20 to 120°F (-6.67 to 48.9°C)</td>
<td>20 to 120°F (-6.67 to 49°C)</td>
</tr>
</tbody>
</table>

### Selection Guide

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# LOW DIFFERENTIAL PRESSURE Pressure Switches

## ADPS Series

<table>
<thead>
<tr>
<th>Set Point Range</th>
<th>15 to 24 in w.c. (38 to 60 kPa)</th>
<th>0.5 to 12 in w.c. (12 to 30 kPa)</th>
<th>1 in w.c. to 5 psig (25 kPa to 3.5 bar)</th>
<th>0.03 to 20 in w.c. (0.07 to 5 kPa)</th>
<th>0.7 to 20 in w.c. (1.77 to 5.1 kPa)</th>
<th>3 to 23 in w.c. (8 to 57.6 kPa)</th>
<th>180 in w.c. to 200 psid (4.57 to 13.5 bar)</th>
<th>1.5 to 75 psi (10.2 bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service</td>
<td>Compatible gases</td>
<td>Compatible gases</td>
<td>Compatible gases</td>
<td>Compatible gases</td>
<td>Compatible gases</td>
<td>Compatible gases</td>
<td>Compatible gases</td>
<td>24 VDC, 120 or 240 VAC</td>
</tr>
<tr>
<td>Wetted Materials</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>None</td>
</tr>
<tr>
<td>Temperature Limits</td>
<td>30 to 130°F (-20 to 54°C)</td>
<td>-40 to 158°F (-40 to 70°C)</td>
<td>-10 to 180°F (-23 to 82°C)</td>
<td>-40 to 180°F (-40 to 82°C)</td>
<td>-40 to 180°F (-40 to 82°C)</td>
<td>-40 to 180°F (-40 to 82°C)</td>
<td>-40 to 180°F (-40 to 82°C)</td>
<td>None</td>
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<tr>
<td>Pressure Limits</td>
<td>0.15 to 24 in w.c. (3.8 kPa)</td>
<td>5 psig (34 kPa)</td>
<td>15 psig (1 bar)</td>
<td>15 psig (1 bar)</td>
<td>15 psig (1 bar)</td>
<td>15 psig (1 bar)</td>
<td>200 psig (13.8 bar)</td>
<td>None</td>
</tr>
<tr>
<td>Power Requirement</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Repeatability</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>Adjustable Deadband</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Enclosure Rating</td>
<td>GP and WP</td>
<td>GP and WP</td>
<td>GP and WP</td>
<td>GP and WP</td>
<td>GP and WP</td>
<td>GP and WP</td>
<td>GP and WP</td>
<td>GP and WP</td>
</tr>
<tr>
<td>Switch Type</td>
<td>(2) SPDT</td>
<td>(2) SPDT</td>
<td>SPDT or DPDT</td>
<td>SPDT or DPDT</td>
<td>SPDT or DPDT</td>
<td>SPDT or DPDT</td>
<td>SPDT or DPDT</td>
<td>SPDT or DPDT</td>
</tr>
<tr>
<td>Multiple Stages</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
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</table>

## EPDS Series

<table>
<thead>
<tr>
<th>Set Point Range</th>
<th>0.01 to 12 in w.c. (0.003 to 3 kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service</td>
<td>Compatible gases</td>
</tr>
<tr>
<td>Wetted Materials</td>
<td>Consult factory</td>
</tr>
<tr>
<td>Temperature Limits</td>
<td>-40 to 180°F (-40 to 82°C)</td>
</tr>
<tr>
<td>Pressure Limits</td>
<td>2.5 to 23 in w.c. (6.25 to 57.6 kPa)</td>
</tr>
<tr>
<td>Power Requirement</td>
<td>None</td>
</tr>
<tr>
<td>Repeatability</td>
<td>1%</td>
</tr>
<tr>
<td>Adjustable Deadband</td>
<td>No</td>
</tr>
<tr>
<td>Enclosure Rating</td>
<td>GP</td>
</tr>
<tr>
<td>Switch Type</td>
<td>DPDT</td>
</tr>
<tr>
<td>Multiple Stages</td>
<td>Yes</td>
</tr>
<tr>
<td>Process Connection</td>
<td>1/8 female NPT</td>
</tr>
</tbody>
</table>

## 1800 Series

<table>
<thead>
<tr>
<th>Set Point Range</th>
<th>0 to 50 in w.c. (0 to 125 kPa)</th>
<th>0 to 60 in w.c. (0 to 150 kPa)</th>
<th>0.01 to 12 in w.c. (0.003 to 3 kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service</td>
<td>compatible gases</td>
<td>compatible gases</td>
<td>compatible gases</td>
</tr>
<tr>
<td>Wetted Materials</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
</tr>
<tr>
<td>Temperature Limits</td>
<td>-40 to 180°F (-40 to 82°C)</td>
<td>-40 to 180°F (-40 to 82°C)</td>
<td>-40 to 180°F (-40 to 82°C)</td>
</tr>
<tr>
<td>Pressure Limits</td>
<td>0.1 to 100 in w.c. (0.25 to 249.1 mbar)</td>
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</tr>
<tr>
<td>Power Requirement</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Repeatability</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Adjustable Deadband</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Enclosure Rating</td>
<td>GP</td>
<td>GP</td>
<td>GP</td>
</tr>
<tr>
<td>Switch Type</td>
<td>DPDT</td>
<td>SPDT</td>
<td>SPDT</td>
</tr>
<tr>
<td>Multiple Stages</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Process Connection</td>
<td>1/8 female NPT</td>
<td>1/8 female and 1/2 male NPT</td>
<td>1/8 female NPT</td>
</tr>
</tbody>
</table>

## 1900 Series

<table>
<thead>
<tr>
<th>Set Point Range</th>
<th>0 to 50 in w.c. (0 to 125 kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service</td>
<td>compatible gases</td>
</tr>
<tr>
<td>Wetted Materials</td>
<td>Consult factory</td>
</tr>
<tr>
<td>Temperature Limits</td>
<td>-40 to 180°F (-40 to 82°C)</td>
</tr>
<tr>
<td>Pressure Limits</td>
<td>0.1 to 100 in w.c. (0.25 to 249.1 mbar)</td>
</tr>
<tr>
<td>Power Requirement</td>
<td>None</td>
</tr>
<tr>
<td>Repeatability</td>
<td>1%</td>
</tr>
<tr>
<td>Adjustable Deadband</td>
<td>No</td>
</tr>
<tr>
<td>Enclosure Rating</td>
<td>GP</td>
</tr>
<tr>
<td>Switch Type</td>
<td>DPDT</td>
</tr>
<tr>
<td>Multiple Stages</td>
<td>Yes</td>
</tr>
<tr>
<td>Process Connection</td>
<td>1/8 female NPT</td>
</tr>
</tbody>
</table>

## MDS Series

<table>
<thead>
<tr>
<th>Set Point Range</th>
<th>0 to 50 in w.c. (0 to 125 kPa)</th>
<th>0 to 60 in w.c. (0 to 150 kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service</td>
<td>compatible gases</td>
<td>compatible gases</td>
</tr>
<tr>
<td>Wetted Materials</td>
<td>Consult factory</td>
<td>Consult factory</td>
</tr>
<tr>
<td>Temperature Limits</td>
<td>-40 to 180°F (-40 to 82°C)</td>
<td></td>
</tr>
<tr>
<td>Pressure Limits</td>
<td>0.1 to 100 in w.c. (0.25 to 249.1 mbar)</td>
<td></td>
</tr>
<tr>
<td>Power Requirement</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Repeatability</td>
<td>1%</td>
<td></td>
</tr>
<tr>
<td>Adjustable Deadband</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Enclosure Rating</td>
<td>GP</td>
<td></td>
</tr>
<tr>
<td>Switch Type</td>
<td>DPDT</td>
<td></td>
</tr>
<tr>
<td>Multiple Stages</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Process Connection</td>
<td>1/8 female NPT</td>
<td></td>
</tr>
</tbody>
</table>

## MDA Series

<table>
<thead>
<tr>
<th>Set Point Range</th>
<th>0 to 50 in w.c. (0 to 125 kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service</td>
<td>compatible gases</td>
</tr>
<tr>
<td>Wetted Materials</td>
<td>Consult factory</td>
</tr>
<tr>
<td>Temperature Limits</td>
<td>-40 to 180°F (-40 to 82°C)</td>
</tr>
<tr>
<td>Pressure Limits</td>
<td>0.1 to 100 in w.c. (0.25 to 249.1 mbar)</td>
</tr>
<tr>
<td>Power Requirement</td>
<td>None</td>
</tr>
<tr>
<td>Repeatability</td>
<td>1%</td>
</tr>
<tr>
<td>Adjustable Deadband</td>
<td>No</td>
</tr>
<tr>
<td>Enclosure Rating</td>
<td>GP</td>
</tr>
<tr>
<td>Switch Type</td>
<td>DPDT</td>
</tr>
<tr>
<td>Multiple Stages</td>
<td>Yes</td>
</tr>
<tr>
<td>Process Connection</td>
<td>1/8 female NPT</td>
</tr>
</tbody>
</table>

## 1831 Series

<table>
<thead>
<tr>
<th>Set Point Range</th>
<th>0 to 18 in w.c. (0 to 45 kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service</td>
<td>compatible gases</td>
</tr>
<tr>
<td>Wetted Materials</td>
<td>Consult factory</td>
</tr>
<tr>
<td>Temperature Limits</td>
<td>-40 to 180°F (-40 to 82°C)</td>
</tr>
<tr>
<td>Pressure Limits</td>
<td>0.1 to 100 in w.c. (0.25 to 249.1 mbar)</td>
</tr>
<tr>
<td>Power Requirement</td>
<td>None</td>
</tr>
<tr>
<td>Repeatability</td>
<td>1%</td>
</tr>
<tr>
<td>Adjustable Deadband</td>
<td>No</td>
</tr>
<tr>
<td>Enclosure Rating</td>
<td>GP</td>
</tr>
<tr>
<td>Switch Type</td>
<td>DPDT</td>
</tr>
<tr>
<td>Multiple Stages</td>
<td>Yes</td>
</tr>
<tr>
<td>Process Connection</td>
<td>1/8 female NPT</td>
</tr>
</tbody>
</table>

## 1640 Series

<table>
<thead>
<tr>
<th>Set Point Range</th>
<th>0 to 18 in w.c. (0 to 45 kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service</td>
<td>compatible gases</td>
</tr>
<tr>
<td>Wetted Materials</td>
<td>Consult factory</td>
</tr>
<tr>
<td>Temperature Limits</td>
<td>-40 to 180°F (-40 to 82°C)</td>
</tr>
<tr>
<td>Pressure Limits</td>
<td>0.1 to 100 in w.c. (0.25 to 249.1 mbar)</td>
</tr>
<tr>
<td>Power Requirement</td>
<td>None</td>
</tr>
<tr>
<td>Repeatability</td>
<td>1%</td>
</tr>
<tr>
<td>Adjustable Deadband</td>
<td>No</td>
</tr>
<tr>
<td>Enclosure Rating</td>
<td>GP</td>
</tr>
<tr>
<td>Switch Type</td>
<td>DPDT</td>
</tr>
<tr>
<td>Multiple Stages</td>
<td>Yes</td>
</tr>
<tr>
<td>Process Connection</td>
<td>1/8 female NPT</td>
</tr>
</tbody>
</table>

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### LOW DIFFERENTIAL PRESSURE - NON-INDICATING
Pressure Transmitters and Transducers

<table>
<thead>
<tr>
<th>SERIES</th>
<th>616KD</th>
<th>668B/D</th>
<th>608</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ranges</strong></td>
<td>1 to 20 in w.c. (250 to 5000 Pa) (Bi-directional available)</td>
<td>1.1 to 100 in w.c. (25 to 25000 Pa) (Bi-directional available)</td>
<td>0.1 to 25 in w.c. (25 to 6200 Pa) (Bi-directional available)</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>±0.25% FS</td>
<td>±1% FS</td>
<td>±0.5% or ±0.25% FS</td>
</tr>
<tr>
<td><strong>Wetted Materials</strong></td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
</tr>
<tr>
<td><strong>Oper. Temp. Limits</strong></td>
<td>-10°F to 120°F (-23°C to 49°C)</td>
<td>-10°F to 120°F (-23°C to 49°C)</td>
<td>-20°F to 180°F (-28°C to 82°C)</td>
</tr>
<tr>
<td><strong>Output Signal</strong></td>
<td>4-20 mA, 0-10 VDC, or 0-5 VDC</td>
<td>4-20 mA, 0-10 VDC, or 0-5 VDC</td>
<td>4-20 mA, 0-10 VDC, or 0-5 VDC</td>
</tr>
<tr>
<td><strong>Process Connection</strong></td>
<td>Barbed for 1/8˝ and 3/16˝ ID rubber or vinyl tubing</td>
<td>Barbed for 1/8˝ and 3/16˝ ID rubber or vinyl tubing</td>
<td>Barbed for 1/8˝ and 3/16˝ ID rubber or vinyl tubing</td>
</tr>
<tr>
<td><strong>Enclosure Rating</strong></td>
<td>NEMA 1 (IP20)</td>
<td>NEMA 4X (IP66)</td>
<td>NEMA 4X (IP66)</td>
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</table>

### LOW DIFFERENTIAL PRESSURE - INDICATING
Pressure Transmitters and Transducers

<table>
<thead>
<tr>
<th>SERIES</th>
<th>616W</th>
<th>DM-2000</th>
<th>605</th>
<th>MS2</th>
<th>ISDP</th>
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</thead>
<tbody>
<tr>
<td><strong>Ranges</strong></td>
<td>6 in w.c. to 2.5 kPa</td>
<td>0.1 to 5 in w.c. (Bi-directional available)</td>
<td>0.1 in w.c. to 28 in w.c. (25 Pa to 6975 Pa) (Bi-directional available)</td>
<td>0.1 in w.c. to 28 in w.c. (25 Pa to 6975 Pa) (Bi-directional available)</td>
<td>0.1 in w.c. to 28 in w.c. (25 Pa to 6975 Pa) (Bi-directional available)</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>±0.25% FS, display accuracy ±0.5%</td>
<td>±1% FS</td>
<td>±1% or ±2% FS</td>
<td>±1% or ±2% FS</td>
<td>±0.5% FS</td>
</tr>
<tr>
<td><strong>Wetted Materials</strong></td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
<td>Consult factory</td>
</tr>
<tr>
<td><strong>Oper. Temp. Limits</strong></td>
<td>-20°F to 120°F (-29°C to 49°C)</td>
<td>32°C to 120°F (0°C to 49°C)</td>
<td>0 to 150°F (-17.8 to 66°C)</td>
<td>0 to 150°F (-17.8 to 66°C)</td>
<td>0 to 150°F (-17.8 to 66°C)</td>
</tr>
<tr>
<td><strong>Output Signal</strong></td>
<td>4-20 mA (2-wire), 0-5 VDC, or 0-10 VDC (3-wire)</td>
<td>4-20 mA (2-wire), 0-5 VDC, or 0-10 VDC (3-wire)</td>
<td>4-20 mA (2-wire), 0-5 VDC, or 0-10 VDC (3-wire)</td>
<td>4-20 mA (2-wire), 0-5 VDC, or 0-10 VDC (3-wire)</td>
<td>4-20 mA (2-wire), 0-5 VDC, or 0-10 VDC (3-wire)</td>
</tr>
<tr>
<td><strong>Process Connection</strong></td>
<td>Barbed for 1/8˝ and 3/16˝ ID rubber or vinyl tubing</td>
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</tr>
<tr>
<td><strong>Enclosure Rating</strong></td>
<td>NEMA 4X (IP66)</td>
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<td>NEMA 4X (IP66)</td>
<td>NEMA 4X (IP66)</td>
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</tbody>
</table>

These Selection Guides are for quick comparison of similar products. Please refer to the website for complete product information and specifications.
### WET-WET DIFFERENTIAL PRESSURE

**Pressure Transmitters and Transducers**

**SERIES**
- **3100D**
- **636D**
- **629C**
- **629C-3V**
- **629HLP**
- **647**
- **645**
- **WWDP**

#### Ranges
- **3100D**: 1.5 psi to 0-1000 psig (9 to 69 bar)
- **636D**: 15 to 300 psi
- **629C**: 0.5 to 1000 psig (0 to 69 bar)
- **629C-3V**: 0.5 to 500 psig (0 to 35 bar)
- **629HLP**: 0.5 to 500 psig (0 to 35 bar)
- **647**: 0 to 30 psi (206 kPa)
- **645**: 0 to 30 psi (206 kPa)
- **WWDP**: 0 to 30 psi (206 kPa)

#### Wetted Materials
- **3100D**: Stainless steel
- **636D**: Stainless steel
- **629C**: Stainless steel, 316L SS, brass, or copper
- **629C-3V**: Stainless steel, 316L SS, brass, or copper
- **629HLP**: Stainless steel, 316L SS, brass, or copper
- **647**: Stainless steel
- **645**: Stainless steel
- **WWDP**: Stainless steel

#### Housing
- **3100D**: Stainless steel
- **636D**: Stainless steel
- **629C**: Stainless steel
- **629C-3V**: Stainless steel
- **629HLP**: Stainless steel
- **647**: Stainless steel
- **645**: Stainless steel
- **WWDP**: Stainless steel

#### Accuracy
- **3100D**: ±1.5% FS
- **636D**: ±1.5% FS
- **629C**: ±0.5% FS
- **629C-3V**: ±0.5% FS
- **629HLP**: ±0.5% FS
- **647**: ±0.5% FS
- **645**: ±0.5% FS
- **WWDP**: ±0.5% FS

####配套设施
- **3100D**: LCD display
- **636D**: LCD display
- **629C**: LCD display
- **629C-3V**: LCD display
- **629HLP**: LCD display
- **647**: LCD display
- **645**: LCD display
- **WWDP**: LCD display

#### Temperature Limits
- **3100D**: -40 to 140°F (-40 to 60°C)
- **636D**: -40 to 140°F (-40 to 60°C)
- **629C**: -40 to 140°F (-40 to 60°C)
- **629C-3V**: -40 to 140°F (-40 to 60°C)
- **629HLP**: -40 to 140°F (-40 to 60°C)
- **647**: -40 to 140°F (-40 to 60°C)
- **645**: -40 to 140°F (-40 to 60°C)
- **WWDP**: -40 to 140°F (-40 to 60°C)

#### Process Connections
- **3100D**: 1/2" female NPT
- **636D**: 1/2" female NPT
- **629C**: 1/2" female NPT
- **629C-3V**: 1/2" female NPT
- **629HLP**: 1/2" female NPT
- **647**: 1/2" female NPT
- **645**: 1/2" female NPT
- **WWDP**: 1/2" female NPT

#### Enclosure Rating
- **3100D**: NEMA 4X (IP66)
- **636D**: NEMA 4X (IP66)
- **629C**: NEMA 4X (IP66)
- **629C-3V**: NEMA 4X (IP66)
- **629HLP**: NEMA 4X (IP66)
- **647**: NEMA 4X (IP66)
- **645**: NEMA 4X (IP66)
- **WWDP**: NEMA 4X (IP66)

### SINGLE PRESSURE

**Pressure Gages**

**SERIES**
- **LPG45/PGS**
- **SGY & SGZ**
- **765**

#### Ranges
- **LPG45/PGS**: 0 to 60 kPa (0 to 1000 psig)
- **SGY & SGZ**: 20 to 30 psi
- **765**: 0 to 30 psi

#### Wetted Materials
- **LPG45/PGS**: Stainless steel
- **SGY & SGZ**: Brass, bronze, or SS
- **765**: Stainless steel, brass, or SS

#### Housing
- **LPG45/PGS**: Brass, bronze, or SS
- **SGY & SGZ**: 316L SS, brass, or SS
- **765**: 316L SS, brass, or SS

#### Accuracy
- **LPG45/PGS**: ±1.5% FS
- **SGY & SGZ**: ±1.5% FS
- **765**: ±1.5% FS

#### Pressure Limits
- **LPG45/PGS**: 0 to 60 kPa (0 to 1000 psig)
- **SGY & SGZ**: 0 to 30 psi
- **765**: 0 to 30 psi

#### Temperature Limits
- **LPG45/PGS**: Ambient
- **SGY & SGZ**: Ambient
- **765**: Ambient

#### Process Connections
- **LPG45/PGS**: 1/4" male NPT
- **SGY & SGZ**: 1/4" male NPT
- **765**: 1/4" male NPT

#### Enclosure Rating
- **LPG45/PGS**: NEMA 3 (IP54)
- **SGY & SGZ**: NEMA 3 (IP54)
- **765**: NEMA 3 (IP54)

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### SERIES  DSIGN  DSAM  626/628-CB  6WP  3200G

#### Ranges
- 50 to 30,000 psig and compound ranges
- 50 to 5000 psig
- Up to 500 psig, 8000 psig, 50 bar abs, 300 bar
- 50 to 1000 psig
- 1/4 to 5000 psig

#### Accuracy
- ±0.25% FS
- ±1% FS
- ±0.25% FS; ±31% FS
- ±0.5% FS
- ±0.075% FS

#### Wetted Materials
- 316L SS
- 316L SS
- 316 and 316L SS
- 316L SS
- 316L SS

#### Comp. Temp. Limits
- 32°F to 122°F (0 to 50°C)
- 32°F to 122°F (0 to 50°C)
- 32°F to 176°F (0 to 80°C)
- N/A
- -40°F to 302°F (-40 to 150°C)

#### Opt. Temp. Limits
- 32°F to 122°F (0 to 50°C)
- 32°F to 122°F (0 to 50°C)
- 32°F to 176°F (0 to 80°C)
- N/A
- 32°F to 392°F (0 to 200°C)

#### Output Signal
- 4-20 mA
- 4-20 mA
- 4-20 mA
- 4-20 mA
- 4-20 mA

#### Elec. Connection
- 3’ flying leads
- Screw-type removable terminal blocks with (2) 1/2˝ female NPT
- Terminal block, 1/2˝ female NPT conduit connections
- (2) 1/2˝ female NPT conduit, screw terminal
- (2) 1/2˝ female NPT conduit, screw terminal

#### Process Connection
- 1/2˝ male NPT
- 1/4˝ male NPT or female NPT or BSPT
- 1/4˝ male or female NPT or BSPT
- 1/2˝ female NPT
- 1/2˝ female NPT

#### Enclosure Rating
- NEMA 4X
- NEMA 4X (IP66)
- NEMA 4X (IP66)
- IP65
- NEMA 4X (IP66)

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### SERIES  DPGA  DPGW  DPG-000  DPG-100  DPG-200

#### Ranges
- 0 to 300 psig
- -30˝ Hg to 500 psig (-1.013 to 34.47 bar)
- -30˝ Hg to 500 psig (-1.013 to 34.47 bar)
- -30˝ Hg to 500 psig (-1.013 to 34.47 bar)
- -30˝ Hg to 500 psig (-1.013 to 34.47 bar)

#### Service
- Air and compatible gases
- Compatible gases/liquids
- Compatible liquids and combustible gases
- liquids and combustible gases
- Liquids and non-combustible compatible gases

#### Wetted Materials
- 316L SS, silicone sensor
- Type 316L SS
- Type 316L SS
- Type 316L SS
- Type 316L SS

#### Housing
- ABS plastic
- ABS plastic
- Polyurethane front and back cover, anodized aluminum housing, polyurethane overlay, Buna-N O-rings, 316L SS sensor construction
- Polyurethane front and back cover, anodized aluminum housing, polyurethane overlay, Buna-N O-rings, 316L SS sensor construction
- Polyurethane front and back cover, anodized aluminum housing, polyurethane overlay, Buna-N O-rings, 316L SS sensor construction

#### Accuracy
- ±1% FS
- ±1% FS
- ±0.5% FS
- ±0.25% FS
- ±0.25% FS

#### Pressure Limits
- 200% FS; 30 psig for vacuum models
- 200% FS; 30 psig for vacuum models
- 200% FS (≤1000 psi); 5000 psi (3000 psi); 7500 psi (5000 psi)
- 200% FS (≤1000 psi); 5000 psi (3000 psi); 7500 psi (5000 psi)
- 200% FS (≤1000 psi); 5000 psi (3000 psi); 7500 psi (5000 psi)

#### Temperature Limits
- 32°F to 120°F (0 to 49°C)
- 32°F to 120°F (0 to 49°C)
- 0 to 130°F (-18 to 55°C)
- 0 to 130°F (-18 to 55°C)
- 0 to 168°F (-40 to 70°C)

#### Process Connection
- 1/4˝ male NPT
- 1/4˝ male NPT
- 1/4˝ male NPT
- 1/4˝ male NPT
- 1/4˝ male NPT

#### Enclosure Rating
- N/A
- N/A
- NEMA 4X (IP66)
- NEMA 4X (IP66)
- NEMA 4X (IP66)
**SINGLE PRESSURE**

**Pressure Switches**

**SERIES EDA**

- **Set Point Range:** 2940 to 3000 psig (20 to 206 bar)
- **Service:** Compressed air or gases
- **Wetted Materials:** Brass, 403 SS, or 316 SS
- **Temperature Limits:** 20 to 140°F (-6.6 to 60°C)
- **Pressure Limits:** 6000 psig (41 bar)
- **Power Requirement:** 12-30 VDC/AC
- **Repeatability:** 1%
- **Adjustable Deadband:** Yes
- **Set Point Indication:** Yes
- **Enclosure Rating:** GP, WP, or EXP
- **Switch Type:** SPDT or DPDT
- **Multiple Stages:** No
- **Process Connection:** 1/4˝ male NPT

**SERIES SA/DIS**

- **Set Point Range:** 10 to 30 psig (-0.7 to 2 bar)
- **Service:** Compressed air or gases
- **Wetted Materials:** Brass, 316 SS, or 316 SS w/Buna-N or fluorocarbon
- **Temperature Limits:** -30 to 180°F (-35 to 82°C)
- **Pressure Limits:** 8000 psig (551 bar)
- **Power Requirement:** None
- **Repeatability:** Consult factory
- **Adjustable Deadband:** Yes
- **Set Point Indication:** Yes
- **Enclosure Rating:** GP or submersible
- **Switch Type:** SPST
- **Multiple Stages:** No
- **Process Connection:** 1/8˝ male NPT

**SERIES SA1100**

- **Set Point Range:** 1 to 50 psig (.07 to 3.5 bar)
- **Service:** Compressed air or gases
- **Wetted Materials:** Aluminum or 316 SS with polyamide, 316 SS, or Teflon
- **Temperature Limits:** -30 to 170°F (-35 to 77°C)
- **Pressure Limits:** 1000 psig (68.9 bar)
- **Power Requirement:** None
- **Repeatability:** Consult factory
- **Adjustable Deadband:** Yes
- **Set Point Indication:** Yes
- **Enclosure Rating:** EXP
- **Switch Type:** SPST
- **Multiple Stages:** No
- **Process Connection:** 1/8˝ female NPT

**SERIES 1000/W/E**

- **Set Point Range:** 1 to 10 psig (.07 to 0.7 bar)
- **Service:** Compressed air or gases
- **Wetted Materials:** Fluorocarbon and 316 SS
- **Temperature Limits:** -30 to 170°F (-35 to 77°C)
- **Pressure Limits:** 125 psig (8.6 bar)
- **Power Requirement:** None
- **Repeatability:** Consult factory
- **Adjustable Deadband:** Yes
- **Set Point Indication:** Yes
- **Enclosure Rating:** WP or EXP
- **Switch Type:** SPDT or DPDT
- **Multiple Stages:** No
- **Process Connection:** 1/8˝ female NPT

**SERIES A1F**

- **Set Point Range:** 1 to 10 psig (.07 to 0.7 bar)
- **Service:** Compressed air or gases
- **Wetted Materials:** Fluorocarbon and 316 SS
- **Temperature Limits:** -30 to 170°F (-35 to 77°C)
- **Pressure Limits:** 125 psig (8.6 bar)
- **Power Requirement:** None
- **Repeatability:** Consult factory
- **Adjustable Deadband:** Yes
- **Set Point Indication:** Yes
- **Enclosure Rating:** WP or EXP
- **Switch Type:** SPDT
- **Multiple Stages:** No
- **Process Connection:** 1/8˝ female NPT

**SERIES A1PS/A1VS**

- **Set Point Range:** 1 to 10 psig (.07 to 0.7 bar)
- **Service:** Compressed air or gases
- **Wetted Materials:** Fluorocarbon and 316 SS
- **Temperature Limits:** -30 to 170°F (-35 to 77°C)
- **Pressure Limits:** 125 psig (8.6 bar)
- **Power Requirement:** None
- **Repeatability:** Consult factory
- **Adjustable Deadband:** Yes
- **Set Point Indication:** Yes
- **Enclosure Rating:** WP or EXP
- **Switch Type:** SPDT
- **Multiple Stages:** No
- **Process Connection:** 1/8˝ female NPT

**SERIES AP**

- **Set Point Range:** 1 to 10 psig (.07 to 0.7 bar)
- **Service:** Compressed air or gases
- **Wetted Materials:** Fluorocarbon and 316 SS
- **Temperature Limits:** -30 to 250°F (-35 to 121°C)
- **Pressure Limits:** 250 psig (17 bar)
- **Power Requirement:** 12-30 VDC/AC
- **Repeatability:** 5%
- **Adjustable Deadband:** No
- **Set Point Indication:** No
- **Enclosure Rating:** EXP
- **Switch Type:** SPDT
- **Multiple Stages:** No
- **Process Connection:** 1/8˝ female NPT

**SERIES A2**

- **Set Point Range:** 1 to 10 psig (.07 to 0.7 bar)
- **Service:** Compressed air or gases
- **Wetted Materials:** Kapton and brass
- **Temperature Limits:** -30 to 250°F (-35 to 121°C)
- **Pressure Limits:** 250 psig (17 bar)
- **Power Requirement:** 12-30 VDC/AC
- **Repeatability:** 5%
- **Adjustable Deadband:** Yes
- **Set Point Indication:** No
- **Enclosure Rating:** EXP
- **Switch Type:** SPDT
- **Multiple Stages:** Yes
- **Process Connection:** 1/8˝ female NPT

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### SERIES 681 638R 682 672 673 FDT 626/628-GH 638 6526

#### Pressure Ranges
- **Ranges 1 to 100 psi**
- **75 to 667 psia (5.2 to 46 bar(a))**
- **25 to 10,000 psi**
- **10 to 400 in w.c.**
- **Compound, 1 to 1000 psi**
- **100 to 10,000 psi**
- **(7 to 690 bar)**
- **Up to 300 psia, 8000 psig, 16 bar abs, 550 bar**
- **15 to 300 psi (1 to 20 bar)**
- **15 to 300 psi (1 to 20 bar)**
- **15 to 8000 psig (1 to 550 bar); 15 to 30 psia (1 to 3 bara)**

#### Accuracy
- **±0.20% FS**
- **±1.2% FS**
- **±0.13% FS**
- **±0.25% FS**
- **±0.25% FS**
- **±0.5% FS**
- **±0.30% FS**
- **±0.25% FS; 0.5% FS for absolute ranges**

#### Wetted Materials
- 316L SS
- Brass, aluminum, or 316 SS
- 17-4 PH SS
- 318 Duplex SS, Ceramic, fluoroelastomer
- 17-4 PH SS
- 316 and 17-5 SS
- 316, 316L, SS
- 17-4 PH SS
- 316 and 316L SS

#### Comp. Temp. Limits
- 20 to 180°F (-7 to 80°C)
- 40 to 125°F (-20 to 52°C)
- 40 to 125°F (-20 to 52°C)
- 40 to 125°F (-20 to 52°C)
- 40 to 125°F (-20 to 52°C)
- 40 to 125°F (-20 to 52°C)
- 40 to 125°F (-20 to 52°C)
- 40 to 125°F (-20 to 52°C)
- 40 to 125°F (-20 to 52°C)
- 40 to 125°F (-20 to 52°C)

#### Oper. Temp. Limits
- -40 to 260°F (-40 to 125°C)
- -40 to 260°F (-40 to 125°C)
- -40 to 260°F (-40 to 125°C)
- -40 to 212°F (-40 to 100°C)
- -40 to 260°F (-40 to 125°C)
- -40 to 200°F (-40 to 93°C)
- 0 to 200°F (0 to 94°C)
- -40 to 212°F (-40 to 100°C)
- 0 to 176°F (-18 to 80°C)

#### Output Signal
- 4-20 mA
- 0.5-4.5 VDC ratiometric
- 4-20 mA
- 4-20 mA or 0-5 VDC
- 4-20 mA
- 4-20 mA or 1-5 VDC
- 4-20 mA

#### Enclosure Rating
- NEMA 4X (IP66)
- IP67
- NEMA 4X (IP66)
- NEMA 4X (IP66)
- NEMA 4X (IP66)
- NEMA 4X (IP66)
- NEMA 4X (IP66)
- NEMA 4X (IP66)
- NEMA 4X (IP66)

### SELECTION GUIDE

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