

## Differential Pressure Gauge Selection Matrix

Ashcroft differential pressure gauges are available in a wide array of ranges, mounts, and materials. Ashcroft's differential gauges are the right choice for your industrial application. Ashcroft's DP gauges makes it easy to see pressure differential from two separate inputs displayed on one gauge. Differential pressure gauges also come in many different dial sizes from 2" to 6" for easier reading.



## Ashcroft DP Gauge Selection Matrix



| MODEL                           | 1125/1125A   | 1127/1128  | 5503   | F5509/F6509  | 1130/1140   | 1131/1141   | 1132/1142   | 1133/1143   | 1134  |
|---------------------------------|--|--|--|--|---|---|---|---|---|
| <b>Specifications:</b>          |  |  |  |  |   |   |   |   |   |
| <b>Accuracy</b>                 | ±2-1-2% of Span  | ±2-1-2% of Span  | ±1.6% of Span  | ±1.6% of Span  | ±2% Ascending   | ±2% Ascending   | ±2% Ascending   | ±2% Ascending   | ±3% Ascending   |
| <b>Range Limits</b>             | 0-20 psid to 1000 psid   | 0-10 psid to 1000 psid   | 0-16 IWD to 400 psid   | 0-10 IWD to 400 psid   | 0-5 psid to 150 psid  | 0-5 psid to 100 psid  | 0-1 psid to 60 psid   | 0-1 IWD to 25 IWD   | 0/.6 IW - 60 IWD  |
| <b>Max. Static Pressure</b>     | 20 psi to 1500 psi range dependent   | 10 psi to 1200 psi range dependent   | 1450 psi standard up to 5800 psi optional  | 232# for 10 IW - 3# 580# for 5 psid & up   | 3000 psi (6000 psi w SS)  | 3000 psi  | 1500 psi  | 500 psi   | 35 psi  |
| <b>Dial Size</b>                | 4 ½" or 6"   | 4 ½" or 6"   | 4" or 6" (100/160 mm)  | 4" or 6" (100/160 mm)  | 2" through 6"   | 2 ½" through 6"   | 2 ½" through 6"   | 3 ½" through 6"   | 4 ½"  |
| <b>Case Material</b>            | Aluminum   | Aluminum   | 304 Stainless Steel  | 316 Stainless Steel  | Stainless Steel/Thermoplastic   | Stainless Steel/Thermoplastic   | Stainless Steel/Thermoplastic   | Stainless Steel/Thermoplastic   | Stainless Steel/Thermoplastic   |
| <b>Available Body Materials</b> | NA   | NA   | 316 SS, Hastelloy C  | 316 Stainless Steel  | Aluminum, Brass, SS   | Aluminum, Brass, SS   | Aluminum, Brass, SS   | Aluminum and SS.  | Glass Filled Nylon  |
| <b>Diaphragm Material</b>       | NA   | NA   | 316 SS 30# & up <sup>(1)</sup> Hastelloy C, Monel  | 316 SS 15# & up <sup>(1)</sup>   | Buna, Viton or EPDM   | Buna, Viton or EPDM   | Buna, Viton or EPDM   | Buna, Viton or EPDM   | Buna or EPDM  |
| <b>Tube and Socket Material</b> | Bronze/Brass   | 316 SS   | NA   | NA   | NA  | NA  | NA  | NA  | NA  |
| <b>Connection Size</b>          | ¼ NPT  | ¼ NPT Lower Only   | ¼ or ½ NPT   | ¼ or ½ NPT   | ¼ NPTF  | ¼ NPTF  | ¼ NPTF  | ¼ NPTF  | ⅛ NPTF  |
| <b>Min/Max Ambient Temp.</b>    | 0/150°F  | 0/150°F  | -4/176°F   | -4/176°F   | -20/175°F   | 0/175°F   | 0/175°F   | 0/175°F   | 0/175°F   |
| <b>Min/Max Process Temp.</b>    | 0/150°F  | 0/150°F  | -40/212°F  | -40/212°F  | 32/175°F  | 32/175°F <sup>(2)</sup>   | 32/175°F <sup>(2)</sup>   | 32/175°F <sup>(2)</sup>   | 32/175°F <sup>(2)</sup>   |
| <b>IP Rating</b>                | IP53   | IP53   | IP65   | IP66/IP65 with contacts  | IP65  | IP65  | IP65  | IP65  | IP65  |
| <b>Window</b>                   | Glass; Plastic optional  | Glass; Plastic optional  | Safety Glass   | Safety Glass   | Glass; Plastic optional   | Glass; Plastic, Safety Glass (Opt.)   | Glass; Plastic, Safety Glass (Opt.)   | Glass; Plastic, Safety Glass (Opt.)   | Glass; Plastic, Safety Glass (Opt.)   |
| <b>Attach to Seals</b>          | Yes  | Yes  | Yes 10# & up   | Limited, Yes 10# & up  | No  | No  | No  | No  | No  |
| <b>Warranty</b>                 | 1 Year   | 1 Year   | 1 Year   | 1 Year   | 5 Years   | 5 Years   | 5 Years   | 5 Years   | 5 Years   |
| <b>Options</b>                  | Electric Contacts  |  | ATEX, NACE w/Hastelloy C body & diaphragm, electric contacts, 316 SS case, pipe & wall mounting brackets, 3/5-way manifolds      | Electric contacts, solid front case, 316 SS case, pipe & wall mounting brackets, 3-way manifolds                 | Switches, front flange, liquid pipe mounting brackets, 3/5-way manifolds  | Switches, front flange, liquid pipe mounting brackets, 3/5-way manifolds  | Switches, front flange, liquid pipe mounting brackets, 3/5-way manifolds  | Switches, front flange, liquid pipe mounting brackets, 3/5-way manifolds  | Switches, front flange, liquid pipe mounting brackets, 3/5-way manifolds  |
| <b>Average Lead Time</b>        | 5 Weeks  | 5 Weeks  | 8 Weeks  | 8 Weeks  | 3-4 Weeks   | 3-4 Weeks   | 3-4 Weeks   | 3-4 Weeks   | 3-4 Weeks   |
| <b>Cost Comparison</b>          | \$\$   | \$\$   | \$\$\$\$   | \$\$\$   | \$  | \$  | \$  | \$  | \$  |
| <b>Competition</b>              | Wika, US Gauge   | Wika, US Gauge   | ITT Barton, Wika   | Wika   | Orange Research, Midwest  | Orange Research, Midwest  | Orange Research, Midwest  | Orange Research, Midwest  | Dwyer Magnehelic, Orange Research   |
| <b>Application</b>              | Chemical & petrochemical industry, machine & apparatus construction, food & beverage and pulp & paper industries | Chemical & petrochemical industry, machine & apparatus construction, food & beverage and pulp & paper industries | Nace, sour gas, chemical & petrochemical industry, machine & apparatus construction, food & beverage and pulp & paper industries | Chemical & petrochemical industry, machine & apparatus construction, food & beverage and pulp & paper industries | Filtration monitoring, pump performance, strainer monitoring  | Pump performance, filtration monitoring, level measurement, flow rate   | Level measurement, flow rate, flow direction, pump performance, strainer monitoring and filtration monitoring   | Level measurement, flow rate, flow direction, pump performance, strainer monitoring and filtration monitoring   | Level measurement, flow rate, flow direction, pump performance and filtration monitoring  |
| <b>Switch Rating</b>            | 250 V max. switching power<br>30 W dc max. switching power<br>50 VA ac max. 1 A max current                      | N/A  | 1 A 250 Vac max. (Magnetic)<br>8 Vdc (Inductive)   | 1 A 250 Vac max. (Magnetic)<br>8 Vdc (Inductive)   | SPST Contact rating<br>10 VA ac or dc max.<br>Switching current 0.5 Amp<br>ac or dc max.<br>Switch voltage 100 Vac/Vdc max.<br>SDPT Contact rating<br>3 V ac or dc max.<br>Switching current 0.3 Amp<br>ac or dc max.<br>Switch voltage 30 Vac/Vdc max. | SPST Contact rating<br>10 VA ac or dc max.<br>Switching current 0.5 Amp<br>ac or dc max.<br>Switch voltage 100 Vac/Vdc max.<br>SDPT Contact rating<br>3 V ac or dc max.<br>Switching current 0.3 Amp<br>ac or dc max.<br>Switch voltage 30 Vac/Vdc max. | SPST Contact rating<br>10 VA ac or dc max.<br>Switching current 0.5 Amp<br>ac or dc max.<br>Switch voltage 100 Vac/Vdc max.<br>SDPT Contact rating<br>3 V ac or dc max.<br>Switching current 0.3 Amp<br>ac or dc max.<br>Switch voltage 30 Vac/Vdc max. | SPST Contact rating<br>10 VA ac or dc max.<br>Switching current 0.5 Amp<br>ac or dc max.<br>Switch voltage 100 Vac/Vdc max.<br>SDPT Contact rating<br>3 V ac or dc max.<br>Switching current 0.3 Amp<br>ac or dc max.<br>Switch voltage 30 Vac/Vdc max. | SPST Contact rating<br>10 VA ac or dc max.<br>Switching current 0.5 Amp<br>ac or dc max.<br>Switch voltage 100 Vac/Vdc max.<br>SDPT Contact rating<br>3 V ac or dc max.<br>Switching current 0.3 Amp<br>ac or dc max.<br>Switch voltage 30 Vac/Vdc max. |

Visit [www.ashcroft.com](http://www.ashcroft.com) for complete individual data sheets.

Notes:

1. Duratherm for 10psi and above. 316SS for 5psi and below.
2. The diaphragm material can be exposed to temperatures as low as -40°F. While exposed to extreme temperatures the diaphragm will stiffen and effect accuracy. Once temperature returns to the normal operating temperature the diaphragm will continue to operate without any damage to the unit.