

## 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 Differential Pressure Gauge Selection Matrix



MODEL:	1125/1125A	1127/1128	5503	5509	1130	1131	1132	1133	1134
<b>Specifications:</b>									
<b>Accuracy</b>	2-1-2% of Span	2-1-2% of Span	1.6% Full Scale	2.5% Full Scale	2% Ascending	2% Ascending	2% Ascending	2% Ascending	2% 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>	30 psi to 1500 psi range dependent	45 psi to 1200 psi range dependent	1450 psi standard 3625 psi optional	145# for 10 IW - 3# 360# for 5 psid & up	3000 psi (6000 w SS)	3000 psi	1500 psi	500 psi	35 psi
<b>Dial Size</b>	4½" or 6"	4½" or 6"	4" or 6" (100/160mm)	4" or 6" (100/160mm)	2" through 6"	2½" through 6"	2½" through 6"	3½" through 6"	4½"
<b>Case Material</b>	Aluminum	Aluminum	304SS	304SS	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
<b>Available Body Materials</b>	NA	NA	316SS, Hastelloy C	316SS	Aluminum, Brass, SS	Aluminum, Brass, SS	Aluminum, Brass, SS	Aluminum and SS.	Glass Filled Nylon
<b>Diaphragm Material</b>	NA	NA	316SS 30# & up <sup>(1,2)</sup>	316SS 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	316SS	Hastelloy C, Monel	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	¼ NPTF
<b>Min/Max Ambient Temp.</b>	0/150°F	0/150°F	-13/175°F	-13/175°F	-40/175°F	-40/175°F	-40/175°F	-40/175°F	-40/175°F
<b>Min/Max Process Temp.</b>	0/150°F	0/150°F	-40/212°F	-40/212°F	-40/175°F	32/175°F <sup>(3)</sup>	32/175°F <sup>(3)</sup>	32/175°F <sup>(3)</sup>	32/175°F <sup>(3)</sup>
<b>IP Rating</b>	IP 53	IP 53	IP 54(dry) IP65 optl	IP 54(dry) IP65 optl	IP 65	IP 65	IP 65	IP 65	IP 65
<b>Window</b>	Glass, Plastic optional	Glass, Plastic optional	Shatterproof Glass	Shatterproof Glass	Glass, Plastic optional	Glass - Plastic & Safety Glass optional	Glass - Plastic & Safety Glass optional	Glass - Plastic & Safety Glass optional	Glass - Plastic & Safety Glass optional
<b>Attach to Seals</b>	Yes	Yes	Yes	No	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, 316SS case, pipe & wall mounting brackets, 3-way manifolds	Electric contacts, solid front case, 316SS case, pipe & wall mounting brackets, 3-way manifolds	Switches, front flange, liquid fill, pipe mounting bracket	Switches, front flange, liquid fill, pipe mounting bracket	Switches, front flange, liquid fill, pipe mounting bracket	Switches, front flange, liquid fill, pipe mounting bracket	Switches, surface or pipe mounting bracket
<b>Average Lead Time</b>	5 Weeks	5 Weeks	8 Weeks	8 Weeks	5 Weeks	5 Weeks	5 Weeks	5 Weeks	5 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>Applications</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>	250V max. switching power 30W dc max. switching power 50 VA ac max. 1A max current	N/A	1A 250 Vac Max (Magnetic) 8 Vdc (Inductive)	1A 250 Vac Max (Magnetic) 8 Vdc (Inductive)	SPST Contact rating 10 VA ac or dc (max) Switching current 0.5 Amp ac or dc (max) Switch voltage 100Vac/Vdc (max) SDPT Contact rating 3V ac or dc (max) Switching current 0.3Amp ac or dc (max) Switch voltage 30Vac/Vdc (max)	SPST Contact rating 10 VA ac or dc (max) Switching current 0.5 Amp ac or dc (max) Switch voltage 100Vac/Vdc (max) SDPT Contact rating 3V ac or dc (max) Switching current 0.3Amp ac or dc (max) Switch voltage 30Vac/Vdc (max)	SPST Contact rating 10 VA ac or dc (max) Switching current 0.5 Amp ac or dc (max) Switch voltage 100Vac/Vdc (max) SDPT Contact rating 3V ac or dc (max) Switching current 0.3Amp ac or dc (max) Switch voltage 30Vac/Vdc (max)	SPST Contact rating 10 VA ac or dc (max) Switching current 0.5 Amp ac or dc (max) Switch voltage 100Vac/Vdc (max) SDPT Contact rating 3V ac or dc (max) Switching current 0.3Amp ac or dc (max) Switch voltage 30Vac/Vdc (max)	SPST Contact rating 10 VA ac or dc (max) Switching current 0.5 Amp ac or dc (max) Switch voltage 100Vac/Vdc (max) SDPT Contact rating 3V ac or dc (max) Switching current 0.3Amp ac or dc (max) Switch voltage 30Vac/Vdc (max)

**Notes:** 1. Duratherm for 10psi and above. 316SS for 5psi and below. 2. Optional: Hastelloy C for 30# & up 3. 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.