

Differential Pressure Gauges & Switches



Explosion-Proof Differential Pressure Switches

The 1950 differential pressure switches are SPDT explosion proof, rated for Class 1 Div 1&2, Groups A,B,C,D and Class 2, Groups E,F,G, and at NEMA 7.

Typically used in: GDX, TTD, CFS, GDS filtration systems.



Settable Differential Pressure Switches

The 1910 differential pressure switches are SPDT settable for various upper limits of airflow restriction, and are typically used to alert the operator to filter condition and alarm the operator in case of shut-down conditions.

Typically used in: GDX, TTD, CFS, GDS filtration systems.

Part Number Number on Unit Comments

Explosion-Proof Differential Pressure Switches

ALL: Rated for Class 1, Groups A,B,C,D and Class 2, Groups E,F,G, and NEMA 7 Elec: 120-480 V, 60 Hz AC, Temp: 32° to 180°F

31455-01	1950-1	Preset: 1" H ₂ O Settable: 0.4" - 1.6" H ₂ O
31455-02	1950-5	Preset: 2" H ₂ O Settable: 1.4" - 5.5" H ₂ O
31455-03	1950-5	Preset: 3" H ₂ O Settable: 1.4" - 5.5" H ₂ O
31455-04	1950-5	Preset: 4" H ₂ O Settable: 1.4" - 5.5" H ₂ O
31455-11	1950-5	Preset: 2.5" H ₂ O Settable: 1.4" - 5.5"
31455-05 Formerly P135489	1950-10	Preset: 5" H ₂ O Settable: 3" - 11" H ₂ O
31455-06	1950-10	Preset: 6" H ₂ O Settable: 3" - 11" H ₂ O
31455-07 Formerly: P135490	1950-10	Preset: 7" H ₂ O Settable: 3" - 11" H ₂ O
31455-08 Formerly P157873	1950-10	Preset: 8" H ₂ O Settable: 3" - 11" H ₂ O
31455-09	1950-10	Preset: 9" H ₂ O Settable: 3" - 11" H ₂ O
31455-10	1950-10	Preset: 10" H ₂ O Settable: 3" - 11" H ₂ O
P15-7760 Low Temp Version	1910-10-Gold	Preset: 8" H ₂ O Settable: 3" - 11" H ₂ O Temp: -40° - 140°F

Settable Differential Pressure Switches

ALL: Elec: 120V, 60 Hz AC, Temp: 32° to 180°F

P13-9378	1910-0	Settable: 0.15" - 0.5" H ₂ O
P13-9379	1910-5	Settable: 1.4" - 5.5" H ₂ O
53292-00 Formerly P15-6628	1910-10	Settable: 3" - 11" H ₂ O Max Pressure: 45" H ₂ O

Differential Pressure Transmitters

ALL: Stainless steel flange. Pressure range: to 30" H₂O, except 81026.

49699-01	1151	Housing: low-copper alum.NEMA 4X
49699-02	1151-B2	Housing: low-copper alum.NEMA 4X. Incl. mounting bracket
49699-03	1151-H1	Housing: 316 stainless steel. NEMA4X
49699-05	1151-K6	Housing: 316 stainless steel. NEMA4X . Incl. CSA certification.
81026-01	3051	Pressure Range: 0-0.5 to 0-25" H ₂ O Housing: polymer-covered aluminum CSA, CENELEC approved

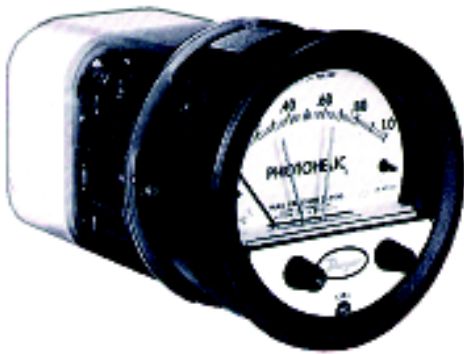


Differential Pressure Transmitter

Provides a continuous analog signal to your master control panel, usually connected to remote instrument to provide continuous readings of pressure. Available with NEMA 4X rating, either stainless steel or low-copper housing. Flange is stainless steel.

Differential Pressure Gauges & Switches

Pressure gauges tell you when to change filter elements in your Donaldson Gas Turbine Filtration System. As the filters do their job and load up with dust and dirt, the differential pressure (also called ΔP or pressure drop) across the filters gradually increases. When the upper limit of acceptability is reached on the gauge, you know it's time to change out the filter elements.



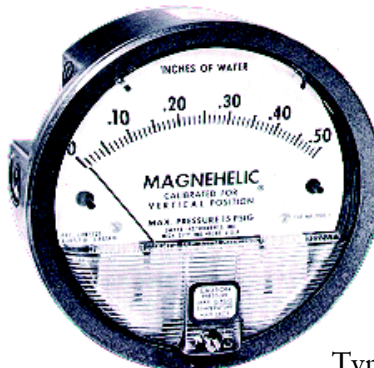
Part Number	Number on Unit	Comments
Differential Pressure Combination Switch/Gauges		
47835-01	A3008-RMR-LT	Settable: 0"-8" H ₂ O, Temp: -40° to 120°F Scales: inches H ₂ O & mm H ₂ O 12" switch-to-gauge cable
47835-02	A3008-RMR-LT	Settable: 0"-8" H ₂ O, Temp: -40° to 120°F Scales: inches H ₂ O & milibar 12" switch-to-gauge cable
47835-03 Formerly P12-5584	A3008-RMR-LT	Settable: 0"-8" H ₂ O Temp: -40° to 120°F Scales: inches H ₂ O & kPa 12" switch-to-gauge cable
P12-5887	A3000	Settable: 0"-8" H ₂ O, Temp: -40° to 120°F Scales: inches H ₂ O 16" switch-to-relay cable 24VDC (Does not inclu. relay pack)

Differential Pressure Gauges

25006 Formerly P139022	2010	Scale: 0"-10" H ₂ O (also shows mm H ₂ O) Temp: -40° to 140°F Rating: 25 psig sustained
27381	2002	Scale: 0"-2" H ₂ O Temp: 30° to 140°F Rating: 15 psig

Pressure Gauge + Switch

This unit serves two functions: it is both a differential pressure gauge and a switch. (Although the photo above shows the gauge & switch physically connected, in most Donaldson filtration systems, they are physically separated and connected by a cable, which is also provided with the unit.) Pressure gauge/switches are typically used in Donaldson self-cleaning gas turbine filtration systems to start and stop the pulse-cleaning mechanism.
Typically used in: TTD & GDX self-cleaning filtration systems.



Differential Pressure Gauge

This gauge measures the differential pressure (also called ΔP or pressure drop) across two different areas, usually the inlet/outlet of the filters.

Typically used in: all Donaldson gas turbine filtration systems & inlet treatment systems