

DIFFERENTIAL PRESSURE GAUGE & SWITCH

FOR USE ON **SERIES FLT** AND **SERIES CFLT** FILTER HOUSINGS

DIFFERENTIAL PRESSURE GAUGE



Hayward Flow Control differential pressure gauge assemblies are for use on simplex and duplex bag and cartridge filter housings where differential pressure readings are desired. The differential pressure gauge indicates the difference between influent and effluent pressure conditions, resulting in differential pressure readings used to schedule filter media change-out. The ΔP range is 0 - 30 PSID. No adjustments are required.

The differential pressure gauge is factory assembled to the mounting bracket. The gauge and mounting bracket assembly is

attached to the filter vessel. Process pressure connections are made to the vessels influent and effluent pressure bosses with fitting and hose assemblies. Gauge connections complete the assembly process. All components are included for easy mounting and connection.

Gauge assemblies are available for non-corrosive environments in aluminum body with nylon poly-tube hose and quick disconnect brass/nylon fittings. **Hayward Flow Control Part No.: FLTDPAL**

For corrosive and high purity environments, we offer stainless steel gauge body with braided stainless steel reinforced Teflon tubing and stainless steel fittings. **Hayward Flow Control Part No.: FLTDPSS**

HOW IT WORKS

Differential pressure is sensed by the movement of a floating piston magnet against a calibrated spring. The gauge pointer, outside the pressure housing, follows the movement of the piston magnet and indicates differential pressure.

Available as switch with magnetically actuated hermetically sealed CSA listed reed switches to provide high and low limit alarm or control.





DIFFERENTIAL PRESSURE GAUGE AND SWITCH



Hayward Flow Control differential pressure gauge and switch assemblies are for use on simplex and duplex bag and cartridge filter housings where differential pressure readings are desired for visual confirmation as well as providing electrical feedback to a control device.

The differential pressure gauge of the gauge/switch assembly, provides a visual indication of the difference between influent and effluent pressure conditions, while the switch provides electrical

feedback for process control integration. The Hayward Flow Control differential pressure gauge and switch assembly includes the gauge and NEMA 4 rated SPDT dry contact switch, rated to .25A @ 120VAC, with DIN connector accepting SJ cord conductor cable (not included) – preassembled to the mounting bracket, and includes all hardware necessary for assembly and connection to the Series FLT and Series CFLT filter housings.

Gauge with Switch assemblies must be ordered together and are available for non-corrosive environments in aluminum body with nylon polytube hose and quick disconnect brass/nylon fittings.

Hayward Flow Control Part No.: FLTDPAL / FLTDPSW

Gauge with Switch assemblies for corrosive and high purity environments, are offered in stainless steel gauge body with braided stainless steel reinforced Teflon tubing and stainless steel fittings.

Hayward Flow Control Part No.: FLTDPSS / FLTDPSW



Differential Pressure Gauge and Switch assembly shown at left in St. Steel for corrosive environments. Shown with NEMA 4 DIN connector – other electrical connections are available. Please contact your local Hayward Flow Control Distributor.



HOW IT WORKS

Shown at left; Hayward Flow Control Series CFLT double-length cartridge-filter housing. Influent and effluent connections and all functionality of gauge and switch functions are identical over the entire Hayward Series FLT & CFLT, single and double length vessel range. Vessel is shown with differential pressure gauge and switch assembly Series **FLTDPSS** / **FLTDPSW**, mounted and plumbed. Vessel cut-away shows 'P1' influent boss connection for sensing inlet or upstream process condition. Note: 'P2' effluent boss connection is not shown in picture.



Gauge & Switch assembly is shown with NEMA 4 DIN connector (mounting hardware removed for clarity).

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