



Flow Differential Pressure Module

FDPM

Automatic Calculation of Normalized (Corrected) Differential Pressure

Calculates the corrected or normalized differential pressure across the cartridges in systems being operated at less than maximum flow rate.

FEATURES

- Automatic operation is transparent to user
- Visual alarm, digital readout & deadman cutoff switch are activated when filters have exceeded their life cycle
- NEMA 4X enclosure
- Easy installation
- Compatible with both mechanical and digital totalizers
- LCD display & touch pad for easy user operation
- Software adjustable thresholds & alarm levels
- Sleep mode shuts down during idle times & starts automatically when fueling begins (to save power)

DESCRIPTION

The FDPM eliminates the complicated calculation normally necessary by automatically calculating the condition of the filters inside a vessel with the inputs of differential pressure and flow-rate.

BENEFITS

- Removes human judgment regarding condition of filters.
- System will function and work properly at any flow rate, regardless of actual measured DP.
- Automatic cutoff will stop flow as soon as filters have exceeded their life cycle, with no need to continuously monitor their condition.



Prototype Photo

ELECTRICAL SPECIFICATIONS

- 6-24 Volt DC, 0.5-3 Amps
or
- Battery operated

INPUTS

1. Flow signal from totalizer or flowmeter
2. Signal(s) from pressure transducers

OUTPUTS

1. Normalized differential pressure reading
2. L.E.D. Indicator lights showing cartridge status
3. Relay, capable of switching up to 1 amp

DIMENSIONS/WEIGHT

- 2 pounds
- 6" L x 4.5" W x 3.5" Deep



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COMPANY HEADQUARTERS:
Velcon Filters, Inc.

1210 Garden of the Gods Road
Colorado Springs, CO 80907-3410
Phone: 1.800.531.0180 / 1.719.531.5855
Fax: 719.531.5690
e-mail: vfsales@velcon.com
www.velcon.com

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