

# Filter/Scrubber Level Control

**Location:** Natural Gas Compressor Station near Ignacio, Colorado

**Purpose:** Replace older problematic level control to drain accumulated liquids from natural gas filter housing.

**Items Furnished:** ProMag PM26 magnetic level gauges with level switches, analog 4-20mA transmitter and PBV ANSI 600 electrically actuated dump valves. All items Class 1 Div I explosion proof.

**Technique:** The two ProMag level gauges use magnetically charged floats inside sealed stainless steel tubes to provide visual and electronic level indication. The switches provide power to the valve actuator solenoids to dump unwanted liquid accumulation from both the inlet and outlet chambers in this coalescing filter housing.

**Results:** The reliability of the fuel gas dump control system is vastly improved. Alarms and callouts resulting from high liquid levels in the coalescing filter and resulting liquid carryover have been virtually eliminated. Also, the older bridle style pipe column has been eliminated in favor of one simple column that provides visual, analog, and switching capabilities. In addition, the new switches are easily adjustable to provide various switch points, and the analog signal is controlled by micro switches, eliminating drift and recalibration problems.

Process Solutions has provided many ProMag level gauges to a variety of industrial applications. The units are reasonably priced and very adaptable to various applications. Multiple switches (either electric or pneumatic), 4-20mA analog transmitters, special fittings, special visual indication options and mounting options make ProMag the ideal choice for level control and indication for a wide range of applications.

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