The Series H3 Explosion-Proof Differential Pressure Switch is a heavy duty, industrial unit with a unique new design which provides sensitivity to differential pressures as low as 10 inches of water (254 mm w.c.), yet handles total pressure of 1500 psi (103 bar). Unlike common differential pressure switches that use a piston-type motion transfer, the Series H3 utilizes a rotary motion transfer shaft that prevents a change in total pressure from causing a set point shift. Unit yields deadbands approximately 5% of range, with zero set point shift due to variation in working pressures. Friction is minimized and repeatability increased by allowing range spring to act directly on diaphragm plate. Rolling diaphragm design maintains constant effective area to further reduce friction. Diaphragm is allowed to "seat", allowing application of full rated pressure, up to 1500 psi (103 bar), on either high or low pressure port, without damage. Special over-travel feature prevents overtightening of range adjust screw. Choose optional 316 SS chamber for water and water-based fluids or harsher applications.

FEATURES/BENEFITS
• Rotary motion design prevents set point shifts
• Explosion-proof housing for use in applications where protection of process and personnel is needed
• Option for use with water and water-based solution makes this a versatile switch

APPLICATIONS
• Water flow proving with an orifice plate
• Differential pressure across chiller
• Liquid filter status

The Series H3 Explosion-Proof Differential Pressure Switch is rated 1500 psig, Weatherproof.