



6000 PSI PRESSURE SWITCH MODEL 853

GENERAL INFORMATION

The model 853 is a 0 to 6000 PSI adjustable pressure switch designed for either pneumatic or liquid service. The model 853-1 is the same as the 853 except it employs a temperature compensating element. It's primary purpose is to permit filling natural gas cylinders on a cold day without the danger of the cylinders becoming overpressurized if moved to a warm area. Consequently the set pressure of the 853-1 decreases with temperature.

SPECIFICATIONS

Maximum pressure	6000 PSI (40 MPa)
Electrical rating	5 amps, 250 V AC, UL & CSA listed
Switch	SPDT (NO&NC)
Operating temperature range	-50F to 160F
Pressure connection	1/4" male NPT
Electrical end connection	1/2" male NPT
Size	7/8" hex by 3.1" long
Materials	body - anodized alum. internals - brass, stainless, Viton seals
Temperature compensation	
model 853	none
model 853-1	9 PSI/F (0.11 MPa/K)



Model 853 Pressure
Switch

Aqua Environment Inc.

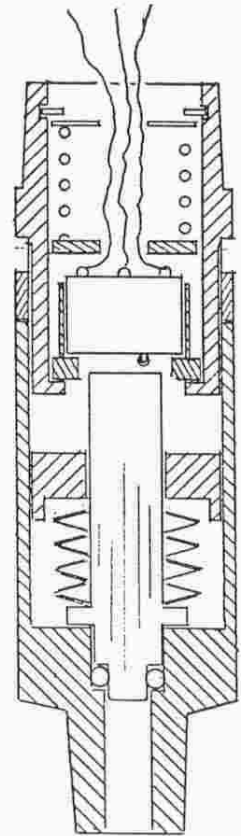
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FEATURES

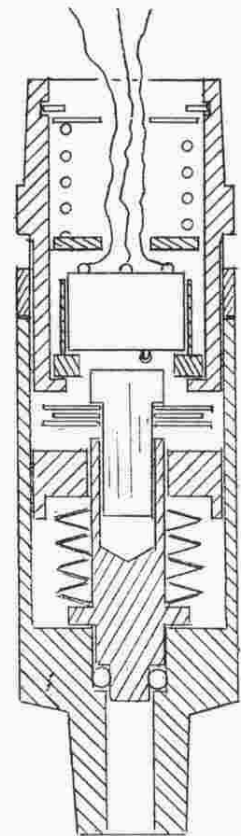
The 853 pressure switch is a simple, compact unit that offers exceptional accuracies. It is trouble free and requires no routine maintenance. The temperature compensated version (model 853-1) can be supplied with different temperature sensitivities on special order. As normally supplied, the 853-1 approximates the pressure variation with temperature of compressed natural gas. The purpose being to prevent overfilling of cylinders in a cold environment.

TYPICAL APPLICATIONS

- * Compressor shut off control
- * Process industry control
- * Gas or hydraulic over-pressure shut off
- * Test panel shut off and control
- * Filling compressed natural gas (CNG) cylinders for mobile equipment



853 Cross Sectional View



853-1 Cross Sectional View



853 Mounted to Standard Electrical Box