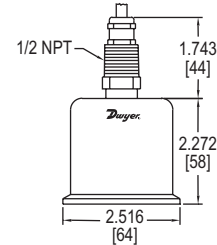


SERIES 681

SANITARY PRESSURE TRANSMITTER

No Liquid Fill Diaphragm, Sanitary Clamp Fitting



The **Series 681 Sanitary Pressure Transmitter** is designed to meet 3A standards for applications in food, dairy, beverage and pharmaceutical processing, liquid level control, and sanitary pipelines. The unit is fully sealed to withstand high pressure wash-down in Clean-in-Place (CIP) and Sterilize-in-Place (SIP) installations. The Series 681 is designed with a unique, no liquid fill diaphragm and a sanitary clamp pressure fitting for easy installation with negligible clamping effect. A conduit fitting, shielded cable with vent tube and sealed screws for zero and span adjustment combine to make the Series 681 completely watertight.

FEATURES/BENEFITS

- Fully sealed to withstand Clean-in-Place and Sterilize-in-Place installations supports regulatory conditions for sanitary processes
- Sanitary clamp fitting makes for easy installation

APPLICATIONS

- Sanitary process applications
- Food and beverage processing
- Water processing
- Dairy processing
- Pharmaceutical processing

MODEL CHART			
Model	Range	Overpressure	Sanitary Clamp Connection
681-02	0 to 1 psi	50 psi	2"
681-12	0 to 2 psi	100 psi	2"
681-42	0 to 15 psi	150 psi	2"
681-52	0 to 30 psi	150 psi	2"
681-62	0 to 60 psi	180 psi	2"

SPECIFICATIONS

Service: Compatible liquids and gases.

Wetted Parts: 316L SS.

Accuracy: $\pm 20\%$ FS (includes non-linearity, hysteresis and non-repeatability).

Temperature Limits: -40 to 260°F (-40 to 125°C) 10 to 90% RH, non-condensing.

Pressure Limits: See table.

Compensated Temperature Range: 20 to 180°F (-7 to 80°C).

Thermal Effect: Zero and span shift: $\pm 2.0\%$ FS/100°F.

Power Requirements: 9-30 VDC.

Output Signal: 4-20 mA, 2-wire.

Zero and Span Adjustment: ± 0.5 mA, non-interactive.

Response Time: ≤ 10 ms.

Loop Resistance: 800 Ω .

Electrical Connections: 1/2" conduit fitting and strain relief with 15 ft (4.5 m) cable.

Process Connection: 2" or 1-1/2" sanitary clamp fitting male NPT.

Clamping Effect: Zero and span shift: $\pm 0.15\%$ FS for ranges up to 30 psi; $\pm 0.25\%$ FS for ranges >30 psi.

Weight: 8 oz (227 g).

OPTIONS

Use order code:	Description
NISTCAL-PT1	NIST traceable calibration certificate for pressure transmitters