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The Pivotrol Pump® patent pending Digital Cycle Counter

Description

The monitoring of condensate return pump operation is an important activity for plant operations and maintenance personnel. The use of pressure powered pumps equipped with a digital cycle counter provides the ability to monitor pump operation, schedule preventative maintenance and estimate the amount of condensate recovered. Counter may operate in both open and closed condensate systems.

Specifications

Enclosure	NEMA 4X, IP65 (watertight)
Counter	6 Digit LCD display — NEMA 4 X, IP65
Options	BSP Threaded Version

Construction Materials

No.	Part	Material
1	Enclosure	Aluminum
2	Gasket	Neoprene
3	Counter	High Impact Plastic
4	Housing	Stainless Steel
5	Gasket	Grafoil
6	Sealing Nut	Stainless Steel
7	Insulator	PTFE
8	Sensor	Stainless Steel

Limiting Operating Conditions

External Operating Temperature Range

Counter: 32 to 122°F 0 to 50°C

Maximum Sensor Pressure

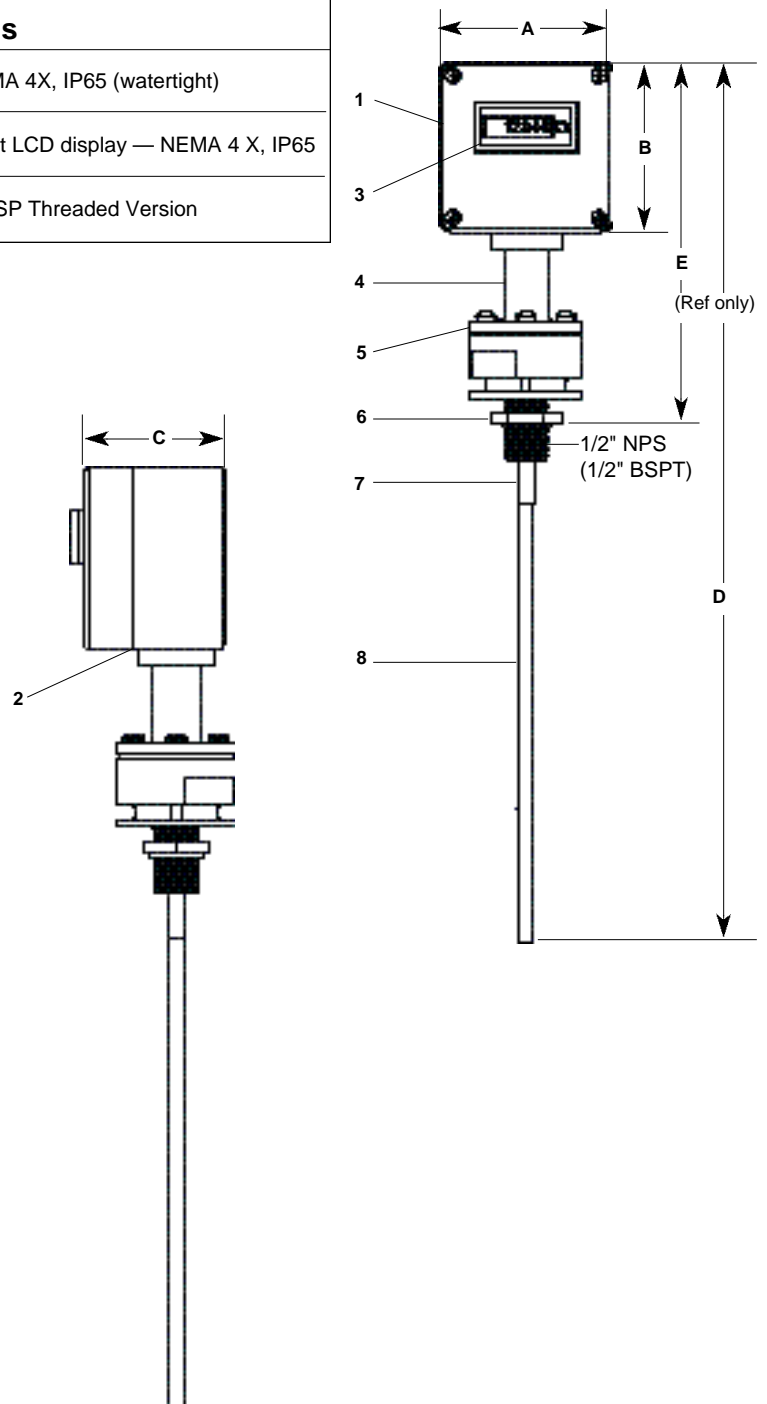
PMO: 300 psig / 21 barg

Pump Capacities

Model	Approximate Gallons/Cycle
PTC	7.1 / 26.9L
PTF	8.4 / 31.8L

Dimensions (nominal) in inches and millimeters

A	B	C	D	E	Weight
3.16	3.16	2.39	16.30	6.75	2.4 lb
80	80	61	414	171	1.1 kg



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Digital Cycle Counter

Installation (see IMI 5.020)

1. Place counter in 1/2" NPS (1/2" BSPT) hole in pump cover (only hole available)
2. Orientate counter in desired direction.
3. Screw sealing nut until wrench tight.

Caution: Before installation or any maintenance is performed, ensure that all steam, condensate, air or gas lines are closed and internal

Connection Size and Location

<u>Pump Model</u>	<u>Connection Size & Location</u>
All PTC/PTF	1/2" NPS Pump on cover

Battery is suitable for up to 7 years of uninterrupted operation.

Safety

Digital Cycle Counter is not suitable for hazardous environments.

Seating screw contains Teflon.[®]

