

0011555

Installation and Maintenance Guide

Digital Cycle Counter

(for vented systems only)

When installing a Cycle Counter on a Condensate Commander pump, using steam as the motive force, it should be mounted vertically with an instrument pigtail between the counter and the pump (included). *(NOTE: the pigtail should be charged with water before installing.)* Vertical mounting allows condensate to accumulate in the dead ended pressure line and to be cooled in the pigtail which acts as a temperature buffer between the cycle counter and the steam. It is also good practice to install an isolation valve (included) between the counter and the service connection to the Condensate Commander.

Our standard Cycle Counters are built to respond to a 5 PSI positive pressure increase in the pump body during the pumping cycle, with the pump body vented to atmosphere during the filling cycle. The combined lift and backpressure must exceed 5 PSI and, the motive pressure

must exceed 5 PSI to insure that the pressure in the pump builds to at least 5 PSI during the discharge cycle. Consult factory on closed loop applications.

Maximum system pressure: 250 PSI

Maximum proof pressure: 500 PSI

Maximum System/Proof in steam service: 125 PSI (saturated steam when used with a pigtail).

Ambient temperature range:

32° F. to +122° F. (0° C. to 50° C.)

Dimensions:

7-3/4" H x 4-3/4" W x 2-1/2" D

Warranty:

One year from date of purchase

IMPORTANT NOTE: The Condensate Commander Cycle Counter does not contain user serviceable parts. Violating any part of the enclosure voids any warranty or claim for repair or service.



A Division of CIRCOR International, Inc.

NICHOLSON
STEAM TRAP

A Division of CIRCOR International, Inc.

Phone: (845) 778-4044 • Fax: (845) 778-7123
www.spenceengineering.com

0011555/0311