

ENGINEERING DATA SHEET

<i>Direction of Rotation Indicator</i>		
Date	Supersedes	No.
03/29/99		31E

Description

The Chempump is a sealless, leakproof, canned motor pump that combines the pump and motor into a single unit. Because of this design, no rotating parts are exposed to view. This makes it difficult to determine the direction of rotation of the pump.

The exclusive Chempump Direction of Rotation Indicator (D.R.I.), standard on all "G" and "NC" Series pumps, indicates if the pump is rotating in the correct direction. The Chempump D.R.I. eliminates the use of phase sequence indicators, discharge gauges and other bothersome methods used by plant engineers to insure proper pump rotation.

Operation

The Chempump D.R.I. is the easy positive way to check on pump rotation. Incorporating the latest developments in microprocessor technology, the entire unit is compact, unobtrusive part of the normal electrical junction box. No additional installation work is required, just wire the pump and the D.R.I. is ready to work.

When the direction of rotation is correct, an amber light, located on the unit, is lit. If the pump is energized and the light does not go on, reverse the two leads and start the unit again. This will reverse the direction of the rotation and the light will glow. The bulb in the D.R.I. has a rated life of 2 1/2 years. Chempump's D.R.I. has U.L. approval for use in Class 1, Group D, Division 1 and Class 1, Group C & D, Division 1 (Explosion Proof) environment.

Chempump's D.R.I. is easily retrofitted to any existing Chempump. Simply thread the D.R.I. into the electric junction box and connect the wires to the lead wires of the motor, 1-1, 2-2, 3-3.

NOTE: This electrical connection box may need to be replaced if the existing box does not have three ports.

