# VIDAR
An ITT Company

# Programming Features

### 01 Dry Run Protection

Detect when the pump is operating without fluid. Once the zero-flow load curve is established, VIDAR triggers a fault if load drops below 95% of it.

### 02 PID Control

Accepts analog input for process variables like level, flow, or pressure – no PLC required & can fine tune. VIDAR can also power the transmitter.

### 03 PID Sleep & Wake

Set upper and/or lower control limits to optimize energy usage based on real-time process demand.

### 04 Over Torque Detection

For example, get alerted when entrained material buildup gets to a certain level.

### 05 Leakage Warning

Triggers a warning when sensed pressure falls below the low setpoint & current exceeds the defined leakage threshold.

### 06 Low/High Pressure Warning

Customizable alerts when pressure feedback is outside user-defined upper or lower limits.

### 07 Coupling Damage Detection

Generate a warning when speed or load drops below a setpoint – useful for identifying mechanical issues.

### 08 Anti-Condensation Control

Activate the motor preheat function based on motor temperature, no need for external space heaters.

### 09 Parameter Change List

Displays only the parameters that have been modified from their default values. Quickly identify relevant items instead of scrolling through hundreds.

### 10 JOG Function

Permits manual motor rotation during setup to visually confirm correct direction.

*You do not need a VIDAR keypad to make these parameter changes, they can be modified through Modbus TCP or Ethernet IP*