The monitor and display module (PLC) is housed in a NEMA 4X panel and is capable of monitoring various operating parameters including:

- Pump bearing temperatures
- Motor bearing temperatures
- Pump bearing vibration levels
- Motor bearing vibration levels
- Pump suction and discharge pressures
- Mechanical seal leakage

The individual sensors are supplied based on the customer requirements. The measured values are evaluated and continuously compared to the factory set limits. Readings which are outside the set values can trigger a simple alarm through to activating a stand-by pump.

Monitoring the pump’s health can help avoid costly maintenance bills by catching any issue early, avoiding excessive wear or operation in poor conditions. This monitoring ultimately avoids catastrophic failure which can be the most expensive type of repair.
Controller
• 256 KB Ladder Logic Memory
• Local Comment Storage
• Floating Point Support
• AutoTune PID Capable

Operator Interface
• 128x64 Characters / Pixels
• Transflective LCD Display Technology
• Selectable Fonts Character Height
• 1023 Pages
• 10 Function Keys

I/O
• 22-44 Built-in I/O Points
• CsCAN SmartStix, SmartRail, SmartBlock I/O Support
• 2048 Digital Inputs, max
• 2048 Digital Outputs, max
• 512 Analog Inputs, max
• 512 Analog Outputs, max

Operating Specifications and Standards
• -10 to 50°C  Operating Temperature*
• 5 to 95% Humidity (non-condensing)
• CE, C', UL Class 1 Div II, Product Certifications
• NEMA & UL Type 1, 3R, 4, 4x, 12, 12k, 13 Environmental Rating

*Note: -22 to -40°C Low Temp Option, Contact Factory for Low Temp Options