

CRYOGENIC PUMP PROCESS

A PLC is included in this panel to pilot the pump motor and to manage the valves and sensors.

Functions :

- Product valve
- Return gas valve
- Degassing valve
- HP vent valve
- Slow/High speed
- Local mode, automatic mode, lan mode
- Reverse rotation
- Frequency inverter
- Pressure variation control

Display unit :

- Step process display
- Global synoptic
- Pump motor, valve states
- Temperature
- Pressure
- Faults



Input/Output :

- Valve open, closed switches
- Run meter
- 3 inputs PSH for pressure
- Output pressure sensor
- Output heater temperature sensor
- Return gas temperature sensor
- Leak detection temperature sensor
- Head pump temperature sensor

Parameters (with password) :

- Sensors scales
- Timers parameters
- Fault parameters
- Valve position timer
- HP vent at the end of the cycle
- Etc....

Power interface :

- Adapted power interface up to 30Kw
- Speed management process
- Cool down safety process
- Inverter option