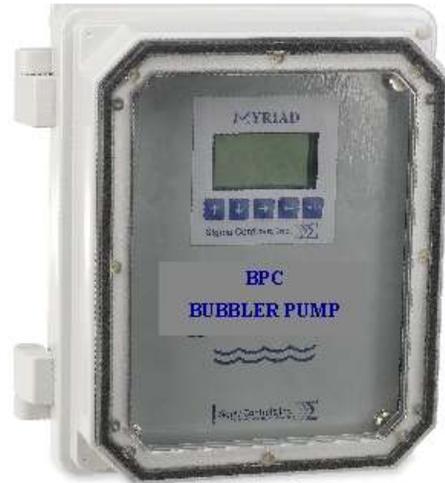


MYRIAD 'BPC' BUBBLER PUMP CONTROLLER

STANDARD FEATURES

- Σ Microprocessor Based
- Σ Graphic LCD Display
- Σ 5 Function keys
- Σ Isolated 24VDC Sensor Power
- Σ 4/20MA, 1-5V, 0-5V, 0-10VDC Input
- Σ 4 Analog Inputs
- Σ 4 Digital Inputs
- Σ 4 Analog Outputs
- Σ 4 Relay Outputs 5 AMP
- Σ 4 Digital Outputs
- Σ Bubbler Compressor Control
- Σ Purge Valve Control
- Σ Fully User Programmable in English
- Σ MODBUS® RTU RS485 +User Port
- Σ 'Pop Up' Alarm Screens



THE MYRIAD BPC PROVIDES COMPLETE CONTROL FOR TWO PUMPS, CONSTANT SPEED OR VARIABLE SPEED, AND BUBBLER COMPRESSOR MANAGEMENT

- Displays level in numeric and bar graph forms
- Displays pump run status
- Allows full user selection of all system variables
- Monitors critical alarms (motor over temperature, etc.)
- Monitors non critical alarms (seal leak, etc.)
- Monitors hand off auto selections switch position
- Monitors pump (VFD) 'run' feedback
- Provides digital and relay outputs for pump control, level alarm, sensor fail, pump fault and seal leak
- Provides 4/20MA outputs for VFD speed setting and proportional control
- Retransmits level signal
- Provides time and date 'stamped' alarm information
- Audible and visual alarms
- Allows simulation of level to exercise pumps or verify operation
- Provides programmable compressor run cycle and auto or manual purging
- Records "MAX" and "MIN" process values and a graphic trend chart for trouble shooting

The Myriad BPC ushers in a new generation of pump controllers. From the ¼ Din 4" X 4" housing with fully removable P.C. board, to the 128 x 32 pixel bitmapped LCD display and simple user setup, the Myriad BPC offers

unmatched versatility in pump control and management. The unit accepts a 'bubbler' generated input signal and offers isolated retransmission of signal.

Relay outputs may be configured for pump control, compressor, and purge valve control and alarms. All are programmable for 'set' and 'reset' points. Graphical & numerical, process displays are standard.

VISIT OUR WEBSITE AT SIGMACONTROLS.COM

MYRIAD 'BPC' BUBBLER PUMP CONTROLLER

- **INPUTS (4 ea.)**
Analog, 4/20MA, 0-5V, 1-5V, 0-10VDC, isolated with common negative, +0.1% accuracy
- **INPUTS: (4 ea.)**
Digital 10-30V AC or DC, 120 or 240 VAC Opto isolated
- **OUTPUTS: (4 ea.)**
Analog, with common negative 0-20MA, 4/20MA, 0-5V, 0-10V (voltage output requires a resistor)
- **OUTPUTS: (4 ea.)**
SPDT, Form 'C' 5A relay
- **OUTPUTS: (4 ea.)** Digital, Opto isolated
- **DISPLAY: LCD, 128 X 32**
bitmapped graphical display
- **LOOP POWER:**
24VDC Regulated output, 100ma max.
- **5 USER KEYS:**
Up, Down, Left, Right, Enter
- **ACCURACY:**
0.1% of Calibrated Span
- **24VDC excitation**
Output 100MA
- **LOCKOUT:**
User Password

- **INPUT IMPEDANCE: Voltage**
100K Current 100 OHMS
- **POWER:**
120/230 VAC, 24VDC
- **ENVIRONMENTAL:**
Operating, 0-65 ° C
Storage, -40 - 80° C
R.H., 0-90% Noncondensing
- **ENCLOSURE:**
¼ Din, ABS Plastic
96 X 96 X 150mm
- **FRONT PANEL:**
Gasketed Nema 4X
- **ACCESS**
Chassis & Boards remove from front of case
- **TERMINAL STRIP**
(40) 'Pluggable' for ease of wiring 28 – 16 AWG
- **CONNECTIONS:**
Removable screw terminal blocks 28-16 AWG wire.
- **CONTROL OUTPUTS**
Four digital outputs user Programmable, SPDT form 'C' relays 5 AMP
- **ALARM ANNUNCIATION:**
Multiple alarm annunciation on graphic screen, on board piezo buzzer

- **PROGRAMMING**
Menu based, all parameters and setpoints are user configurable via menu prompt and the user keys using the preconfigured screens and 'pull down' sub menus with English prompts assures rapid setup and Commissioning.
- **Selectable Pump Alternation,**
pump omit, lead pump select. User level 'simulator' for system test pump 'exercise'.
- **1 YEAR WARRANTY**
- **OPTIONS**
Include relay outputs, real time clock, expansion cards
- **MODBUS® RTU RS485**
Network allows multiple units to be connected together for distributed applications up to 128 controllers on a single network.
- **EXPANSION CARDS**
Allow up to 8 relay outputs, 8 digital outputs, 8 analog input and 8 analog output in a single ¼ din panel mountable case.
- **Complete SCADA package**
available.

