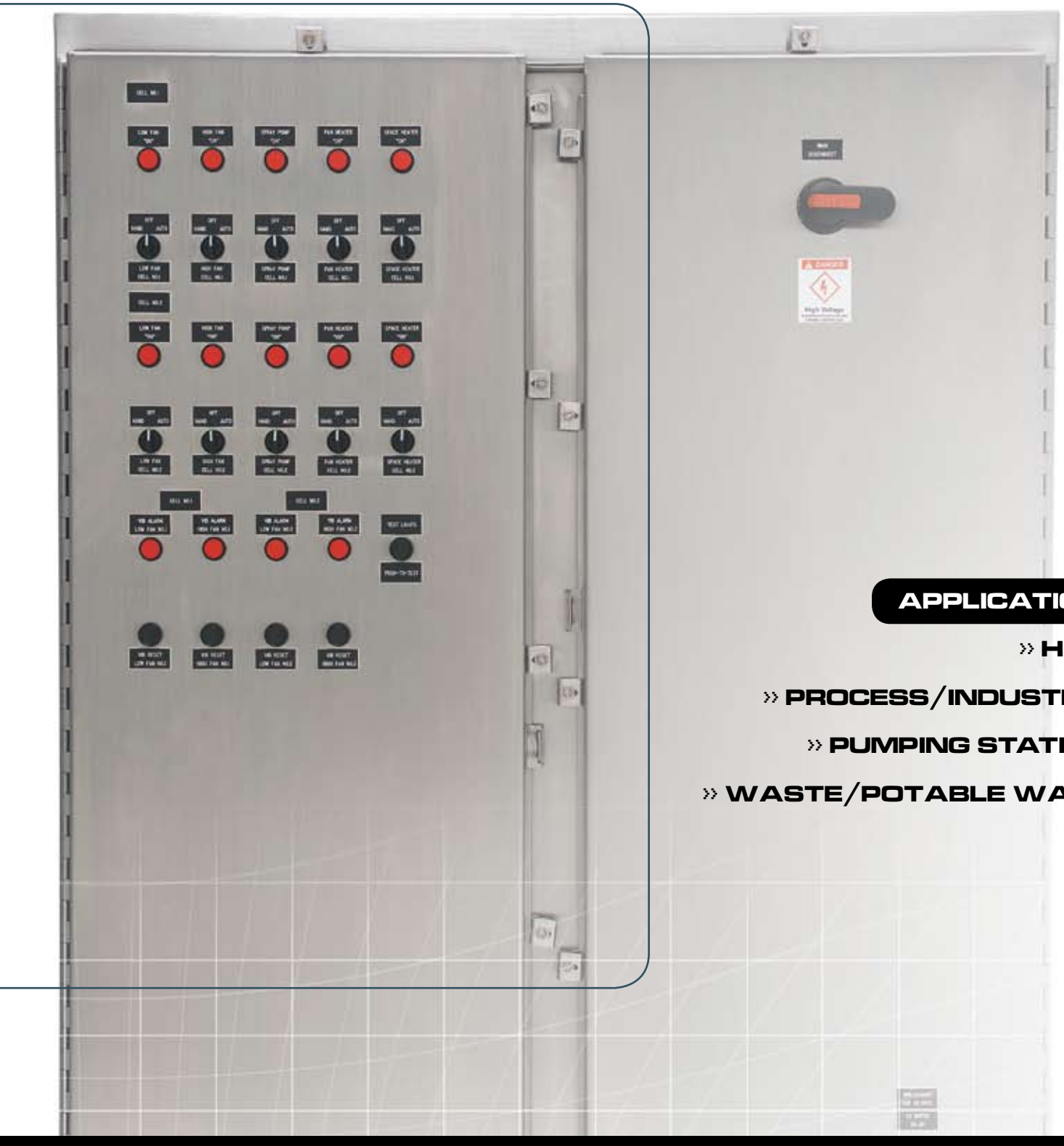
CONTROL PANELS
UL LISTED & LABELED



APPLICATIONS:

- HVAC
- PROCESS/INDUSTRIAL
- PUMPING STATIONS
- WASTE/POTABLE WATER

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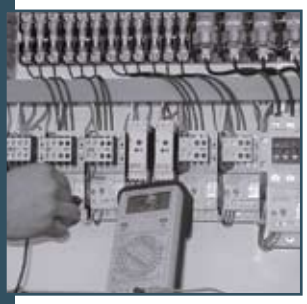

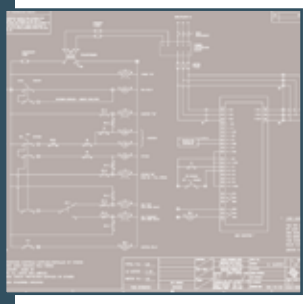

PUROFLUX is committed to meet our customer's technical requirements, schedules and budgets. Our engineering staff's attention to detail and dedication to provide the best possible service, along with our focus on quality manufacturing and response time is unparalleled.

Control panels can be designed based on a specific written specification, functional requirements or even from a verbal description of required operation. Each control panel will contain all necessary components for the proper operation and protection of equipment controlled by the panel. Typical installations require connecting a single main line power source, motor lead wires and any auxiliary components within the system.

Every control panel is functionally tested and must pass a rigorous quality control check before leaving our facility. All circuits are run through a continuity and hot test. Each interface point is checked, labeled and matched to the engineering drawings for ease of installation in the field. The completed control panel is accompanied by a full set of documentation including CAD layout and wiring schematic, bill of materials, component description, panel operating sequence and UL label.

PUROFLUX control panels ensure a greater reliability of the system operation. Each control panel is built to meet the unique needs of a specific application and satisfy the rigorous demands of that application.

PUROFLUX control panels offer the simplest possible solution for both retrofit and new construction.

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PUROFLUX control panels are "design specific" for use in HVAC, industrial or commercial applications. Each panel is designed and fabricated for simple and easy installation.

Whether the specification requires simple relay logic or complex system design, our diverse engineering and manufacturing capabilities allow us to provide cost effective reliable solutions.

STANDARD FEATURES

- UL Listing/Label
- IEC Components
- NEMA Type 3R Enclosure
- Main Non-Fused Disconnect with Door Interlock
- Motor Contactor(s)
- Overload and Short Circuit Protection
- Selector Switch(es), Hand-Off-Auto (HOA)
- Indicating Light(s)
- Control Transformer
- Terminal Strip

OPTIONAL FEATURES - HVAC

- NEMA Type 1, 12, 4, 4X Enclosure
- Soft-Start, VFD, PLC
- Two Speed Motor Starter(s)
- Dual Motor Starter(s)
- Reversing Starter(s)
- Short Cycle Timer
- Deceleration Timer
- Auxiliary Hook-Up Point(s)
- 120 Volt Auxiliary Power
- Remote Signal/Annunciation
- Damper Motor Controls
- Pan Heater(s) Controls
- Pump Starter(s) Controls
- Level Sensor Control/Power
- 120 Volt GFI Service Receptacle
- Thermostat Control
- NEMA Components

OPTIONAL FEATURES - INDUSTRIAL

- NEMA Type 4, 4X, 7, 9, 12 Enclosure
- Climate Controlled Enclosures
- Soft-Start, VFD, PLC
- Two Speed Motor Configuration
- Reversing Configuration
- Motor Sequencing
- Motor Alternation
- Redundant Systems
- Auxiliary Hook-Up Point(s)
- Remote Signal/Annunciation
- 120 Volt GFI Service Receptacle
- NEMA Components

SAMPLE SPECIFICATIONS

BASE CONTROL PANEL

The control panel as manufactured by Puroflux Corporation in Moorpark, CA, shall be a complete factory assembled, wired and tested control system specifically designed for a single point power connection. The panel will be shipped loose for field installation and be provided with a clearly marked terminal strip for landing points of all field devices. A complete set of wiring schematics, operation instructions and component list shall accompany the control panel. The panel shall conform to National Electrical Code (NEC) and Underwriters Laboratories (UL®) standards. The control panel shall bear a UL label for the complete assembly.

The control system shall be internally wired and assembled in a NEMA type 3R enclosure. The enclosure shall be adequately sized and utilize wire duct for neatness and ease of maintenance. All high and low voltage wires should be separated within the enclosure. The panel shall include a non-fused main disconnect switch with an external locking rotary operating handle, individual branch circuit protection, power distribution, terminal strip for termination of all wiring points and a control transformer with primary and secondary fusing. Each branch shall be provided with an across the line magnetic contactor, thermal overload and short circuit protection, pilot light(s) and Hand-Off-Auto (HOA) switch(es). The panel shall include all necessary components required for proper operation of the system.

HVAC CONTROL PANEL

The cooling tower control panel shall contain a means of controlling individual fan(s), pump(s) or heater(s) in the cooling system. All necessary control components will be provided for proper sequence and protection of each fan, pump and heater, with both mechanical and electrical interlocks. The panel shall be designed to incorporate operational and safety devices (thermostat, vibration cutout switch, low water cut-out switches, high/low water alarms) supplied with the cooling tower as well as interface with building management system as required. Standard features include both manual and automatic operation of each motor and heater.

INDUSTRIAL CONTROL PANEL

The system control panel shall contain a means of controlling individual pump(s), valve(s) and other devices in the system. All necessary control components will be provided for proper sequence and protection of each device, with both mechanical and electrical interlocks. The panel shall be designed to incorporate operational and safety devices (flow sensors, transmitters, low flow/water cut-out switches, alarms) installed in the system as well as interface with building management system as required. Standard features include both manual and automatic operation of each auxiliary device.

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