

# ELECTRICAL CONTROL PANELS



**VIRON**®

**INTERNATIONAL**

**ELECTRICAL CONTROL PANELS**



**VIRON® Electrical Control Panels** are designed for each customer's needs and are engineered for specific applications. The electrical panel can be as simple as a disconnect for a motor to a highly sophisticated computer controlled PLC electrical panel which can monitor every scrubber or fan function.

The panel can be mounted and pre-wired to the scrubber or shipped loose for field installation.

Listed below are some of the standard electrical functions which can be provided:

**SCRUBBER**

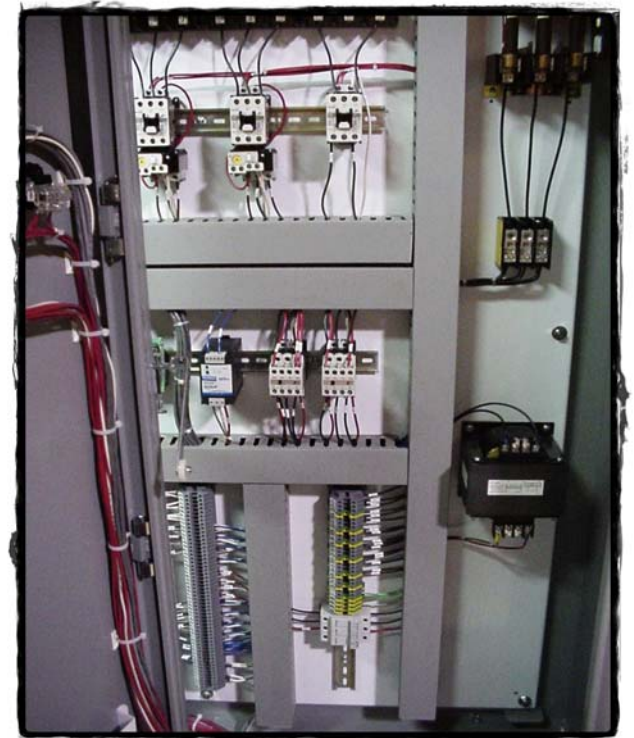
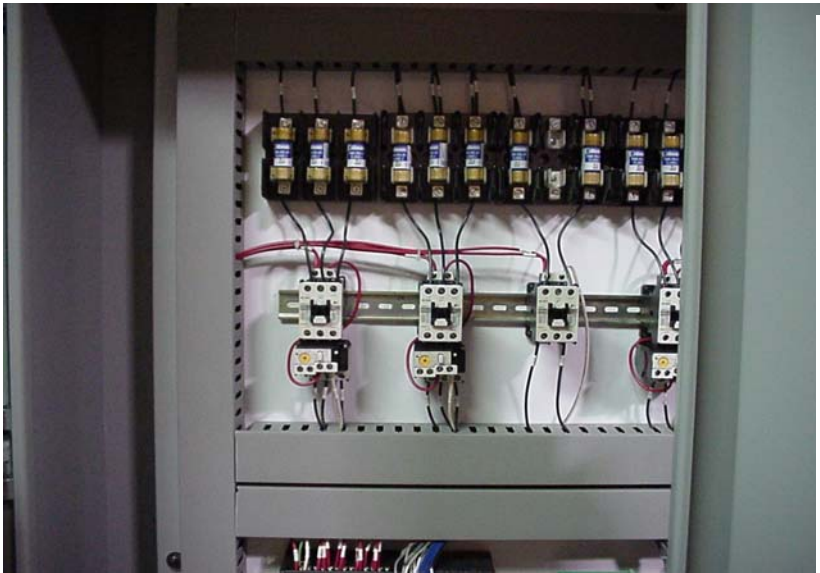
- Air Flow Sensor
- Air Pressure Sensor/Indicator
- Air Temperature Controller
- Audio Alarms
- Conductivity: Chart Recorder  
Controller  
Electric Solenoid Valve
- Differential Pressure Switch
- Disconnects
- Electric Solenoid Drain Valve
- Electric Solenoid Make-Up Water Valve
- Float Switch
- High/Low Recirculation Pressure Rate
- High/Low Recirculation Pressure Switch
- High/Low Sump Level
- H-O-A Switches
- Lead Lag Starters for Fans and Pumps
- Make-Up Water Flowmeters
- Master Disconnect
- NEMA Rated Enclosures
- ORP: Chart Recorder  
Controller  
Electric Solenoid Valve
- pH: Chart Recorder  
Controller  
Electric Solenoid Valve  
Metering Pump  
Mixer

- Pilot Lights
- Programmable Logic Controller
- Pump Motor Disconnect
- Pump Motor Overload -Circuit Breakers
- Pump Motor Starters
- Recirculation Pressure Switch
- Remote Contacts
- Spray Header Timers
- Starters
- Starter/Disconnect Combination
- Sump Heater Controller
- Sump Level Switch
- TDS: Chart Recorder  
Controller  
Electric Solenoid Valve
- Transformer - Reduced Voltage
- Window Kits

**FAN**

- Air Flow Sensor/Indicator
- Bearing Heat Sensors
- Bearing Vibration Sensors
- Differential Pressure Switch
- Disconnects
- Electric Motor Overload - Circuit Breakers
- High/Low Air Pressure Switch
- H-O-A Switches
- NEMA Rated Enclosures
- Pilot Lights
- RPM Meter
- Starters
- Starter/Disconnect Combination
- Variable Frequency Drives
- Window Kits

TYPE	NEMA ENCLOSURES
1	GENERAL PURPOSE-INDOOR
2	DRIPPROOF-INDOOR
3	DUSTTIGHT, RAINLIGHT, SLEETTIGHT-OUTDOOR
3R	RAINPROOF, SLEET RESISTANT-OUTDOOR
3S	DUSTTIGHT, RAINLIGHT, SLEETPROOF-OUTDOOR
4	WATERTIGHT, DUSTTIGHT, SLEET RESISTANT-INDOOR & OUTDOOR
4X	WATERTIGHT, DUSTTIGHT, CORROSION-RESISTANT-INDOOR & OUTDOOR
5	DUSTTIGHT-INDOOR
6	SUBMERSIBLE, WATERTIGHT, DUSTTIGHT, SLEET RESISTANT-INDOOR & OUTDOOR
7	CLASS 1, GROUP A, B, C, OR D HAZARDOUS LOCATIONS AIR-BREAK-INDOOR
8	CLASS 1, GROUP A, B, C, OR D HAZARDOUS LOCATIONS OIL-IMMERSED-INDOOR
9	CLASS 2, GROUP A, B, C, OR D HAZARDOUS LOCATIONS AIR-BREAK-INDOOR
10	BUREAU OF MINES
11	CORROSION-RESISTANT AND DRIPPROOF, OIL-IMMERSED-INDOOR
12	INDUSTRIAL USE, DUSTTIGHT-INDOOR
13	OILTIGHT AND DUSTTIGHT-INDOOR



- **LIMITED WARRANTY**

VIRON® INTERNATIONAL warrants to the dealers and owners its VIRON® products and parts to be free from defects in workmanship and material under normal use and service for one (1) year after the date of shipment by VIRON® to the first retail purchaser or first user: if and only if VIRON® is notified in writing of the defect within fourteen (14) days from date that the defect is discovered. Written notice of defects discovered within the final fourteen days of the warranty must be sent to VIRON® via facsimile or first class mail prior to the expiration of the warranty period otherwise this warranty shall be void. Our obligation under this warranty is expressly limited to repairing or replacing at our option, without cost at our factory any part or parts thereof which shall be returned to and received by VIRON® prepaid, and which our examination shall disclose to our satisfaction to have been defective. In the event a defect is discovered within the final seven days of the warranty period, the returned goods must be received by VIRON® at VIRON®'S facility within seven days following expiration of the warranty period. Any request for repair or replacement should be directed to VIRON® INTERNATIONAL, Owosso, MI.

- **LIMITATION OF WARRANTY AND LIABILITY**

This warranty does not apply to such VIRON® products and parts which in the sole judgment of VIRON® have failed as a result of faulty installation or abuse, or incorrect electrical connections or alterations, made by others, or use under abnormal operating conditions or misapplication of products or parts.

This warranty does not apply to damage resulting from shipment or storage of VIRON® products. Purchaser acknowledges that VIRON® products contain rotating parts that may be damaged by the forces of nature if not installed or put to their intended use within seven (7) days of delivery. THIS WARRANTY DOES NOT COVER COMPONENT PARTS THAT CARRY A SEPARATE WARRANTY FROM THE MANUFACTURER OF THE COMPONENT PART.

VIRON® will not approve for payment any repair made outside its factory without prior written consent of its Owosso, Michigan office. The foregoing shall constitute our sole and exclusive warranty and our sole and exclusive liability and is in lieu of all other warranties, whether written, oral, implied, or statutory.

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