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**WATER CONTROLS**  
& PUMP SYSTEMS  
808-876-0132      www.watercontrols.com

 **WATERTRONICS™**  
A LINDSAY COMPANY

## WATERTRONICS VFD PANELS



### PHASE CONVERSION & THREE PHASE MODELS

## STANDARD FEATURES

- NEMA 3R Panel Assembly
- Mitsubishi Model FR-F740 VFD
- Outdoor Rated
- Operating Ambients 20 to 122 deg. F.
- Lightning Arrestor
- Service Entrance Rated Disconnect
- Control Transformer, fused
- Wall Mount or Foot Mount (size dependent)
- One year warranty
- UL 508 Certified
- Painted White (Heat Rejection)
- Fan/Filter Cooling
- HOA Selector Switch
- Grounding Lug
- Circuit Breaker Disconnect
- 3% Input Line Reactor
- Factory Approved Service

VFD technology from Watertronics, a Lindsay company, assures precise water pressure at the sprinkler which means less water waste and greater savings. Key Benefits of VFD Panel upgrade include providing a smooth start and stop on pumps and motors. This means less wear & tear – and a longer lifespan for your pump system. A Watertronics VFD controller can pay for itself in water and greater energy savings with up to 25% on energy costs.



**FIELDNET™**  
BY LINDSAY

Compatible

Pump station control  
in the palm of your hand.

## OPTIONS


- Door Mounted Speed Potentiometer
- Pressure Transducer (Constant Pressure at Varying Flow)
- Door mounted VFD Operator Keypad
- Pressure switch with Timer Relay
- Bypass Contactors (three phase panels only)
- Fused Disconnect
- Harmonic Filter on VFD Output (IEEE519 requirement)
- KMG Filter – Phase Conversion
- DV/DT Output Filter
- Level Transducer
- Aluminum Enclosure
- Stainless Steel Enclosure
- Nema 4 Enclosures
- Air Conditioning
- Heat Exchanger
- Branch Circuit Breakers
- KMG – Sine Wave Output Filter [Phase Conversion]

## VFD BENEFITS

- Regulate pressure at varying flows
- Up to 25% energy savings
- Precise speed control of AC Motor
- Generates full motor torque at low speeds
- Protects motor & wiring from overloads
- Limits in-rush current at start up
- No power used during "off" time
- Simple connection to communication network
- Converts 1-ph to 3-ph power (pump only)
- Adjustable soft starting/stopping
- Simple set-point controls
- Highly efficient (97%)
- Eliminates water hammer/surges
- Electronic Thermal overload relay
- Time-delayed automatic restart after power loss
- Pipe fill mode
- Control well level
- Time delay auto reset



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 **Lean, Clean and Green.** Lindsay Corporation is committed to developing environmental awareness and implementing sustainable practices to reduce the use of and protect energy, water, and all other resources.



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