

IRRIGATION PUMPING SYSTEMS

Pioneer in Pumping Systems since 1972



MCI  [®]
FLOWTRONEX [®]

Irrigation Central Integration

Premium Brands Equals Premium Golf Course Pumping Systems

Control System

- AB 10" color touch screen
- AB Compact Logix PLC
- AB heavy duty switches with lights
- Central irrigation integration
- 3 Years flow totals on screen (day, week, month, and year)
- Automatic flow reports via email
- IOT ready
- MPC proven pressure controls logic
- Maintenance manager with alerts
- Drought manager with alerts
- Water quality and measurement ready
- Well and water feature pump controls
- Filter control with electronic stroke indicator
- Integrates with MCI WET treatment systems
- Manual VFD speed dial on door



Control Panel

- 100kA SCCR Fault Current
- UL Type 1 Surge Arrestor w/status indicators
- 5 Stage powder coat finish
- VFD keypad on door
- Danfoss VFD
- AB contactors & electronic OL
- Busman fuses with blown fuse indicator
- ARC FLASH covers on all live electronic components

IOT

- Connect to internet on power up (pre-paid)
- Free app
- Email & maintenance alerts
- Flow reports
- VFD remote access from tech support
- 24/7 Factory support with remote connection to system
- Remote software upgrades
- Complete programming access for all connected devices

Instrumentation

- Siemens Mag Flow meter
 - Local display
 - 0.4% Accuracy
- WIKA 316 SS pressure & level transmitter
- Signet water quality instruments



Motors

- High Thrust
- Premium Efficiency
- Inverter Duty Rated

Manufacturers

- US Motors
- Baldor
- Goulds
- Cla-Val
- Flomatic
- VAF
- Allen Bradley
- Danfoss
- Siemens
- MCI

Design

- 3D Engineering Design
- 1" Motor support plate
- 316 SS packing box water guards to keep the skid dry
- Fabricated steel pump head with internal air management

Corrosion Protection

- Long life engineered coatings
- Pipe coated internal & external w/fusion bonded epoxy
- 316 SS threaded ports
- 304 SS on 2" piping and fittings
- Corrosion resistant conduit, fittings, and clamps
- 316 Stainless Steel filters
- Valves with Stainless Steel internals & fusion epoxy body

Pump System

- High efficiency pumps
- 316 SS investment cast impellers
- Glass lined bowls

Station Pro-Tec 6 Year Control Panel & VFD Extended Warranty

▶ Line anomalies—including lightning strikes & load anomalies

▶ 2 Years on Complete Station

MCI Flowtronex Support & Service Network

MCI nConnect allows our support staff to access and troubleshoot 24/7. MCI's staff has full access to HMI, PLC, VFDs, and other IOT connected devices to remotely assist as needed (including access to PLC code).



FlowNet is MCI Flowtronex Authorized Service Network, factory trained and certified to ensure that your service provider has the the tools and knowledge necessary to provide premium service and support for your pump station.

200 FlowNet Certified Service Technicians worldwide.

FlowNets can provide upgrades to the control systems and Flowtronex OEM replacement components.



<https://www.linkedin.com/company/motor-controls-inc>

<https://twitter.com/mcipumpstation>



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