

# FLOWTRONEX™

## Preventative Maintenance Program



### FlowNet Service Group

The FlowNet Service Group is a full service organization utilizing the resources and expertise of the world's largest manufacturer of prefabricated water pumping systems for the turfgrass industry.

Committed to offering the best service in the industry, the FlowNet Service Group has developed a comprehensive Preventative Maintenance Program.

### Preventative Maintenance

The reliable operation of an irrigation pump station is a crucial element in turfgrass management. While many golf courses have trained mechanics and comprehensive maintenance programs for mowers and other equipment, the irrigation pump station is often under-maintained. Pumping systems have become increasingly complex and effective service requires specialized expertise from factory-trained technicians to assure optimum efficiency.

#### Professional Routine Preventative Maintenance Has Several Benefits

- ✍ Extended Equipment Life
- ✍ Lower Operating Costs
- ✍ Minimize Unscheduled Emergency Service Calls
- ✍ Greater Peak Performance
- ✍ Smoother Operation & Reduced Stress on the Irrigation System
- ✍ Trending Components to Predict Replacement

### Calibrate, Update & Review

The final step of the service procedure is to calibrate and test the station for overall smooth performance. Complete service data is kept on file and updated with every preventative maintenance service.

Test information is reviewed after every service visit to establish trends in equipment wear and deviation from original specifications. Major repairs can often be anticipated and overhauls scheduled for convenience rather than wasting time and money on emergency repairs during the peak watering season.

Preventative maintenance service visits are scheduled in advance with a confirmation call the day before the service. Cost of the service varies depending on system type, the number of pumps and optional equipment on the pump station.

### Preventative Maintenance Program

When performing preventative maintenance service, Flowtronex has a 200-point checklist to thoroughly examine the operating status of virtually every component on the pump station.

#### Our Checks Include:

- ✍ Voltage & Current Checks
  - ✍ Pump Performance Analysis
  - ✍ Electrical Component Inspections
  - ✍ Control Logic Testing/Calibration
  - ✍ Motor Winding Insulation Checks
  - ✍ Control Valve Inspection/Calibration
  - ✍ Mechanical Component Inspections
  - ✍ Safety Logic Testing/Calibration
  - ✍ Lubricating Motor Bearings
  - ✍ Changing Oil in Turbine Motors
  - ✍ Re-Packing Pumps
  - ✍ Operation & Settings of Electrical Control Devices, Including Programmable Logic Controller & Variable Frequency Drives
  - ✍ Component Disassembly for Inspection & Cleaning
  - ✍ Replacement of Stem O-Rings
  - ✍ Pilot Valve Calibration
- Repair kits are installed in pilots and main valve bodies at appropriate intervals to reduce the chance of control valve failure, which can create high pressures & pipeline blowouts within the system.

WORLDWIDE SERVICE NETWORK

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EXCELLENCE THROUGH EDUCATION

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