



PUMPTRONICS PUMPING SYSTEMS

THE GOLF COURSE WATER MANAGEMENT SPECIALISTS

An Experienced Company with Knowledgeable Staff

- Provide quality advice and efficient pumping systems to over 200 golf and turf operations in North America.
- Pumptronics understands the total water management needs of golf courses and other turf applications.
- The staff has many years of collective golf course and water management experience and keeps current on the latest technologies and product innovations.
- Our knowledgeable staff recommends the right solution that best fits our customer's needs and budget.
- Pumptronics provides a complete range of products and services, from pump maintenance and service, to VFD panel upgrades, to brand new pre-fabricated pump stations.

Satisfied Customers

Pumptronics has installed systems at many fine courses across Canada such as:

- St. Georges Golf and Country Club
- Old Ashburn Golf Club
- Summit Golf and Country Club
- Carnmoney Golf and Country Club
- Cataragui Golf and Curling Club
- Eagles Glen Golf Club

A complete list of completed projects is available upon request

A Full Product Line

- Pumptronics offers five product lines; Pulse Pro, Pulse, Pulse Sled, Pulse Pak and Pulse Custom; designed to deliver the best solution for any application.

PULSE®

The **PULSE®** provides the customer with an energy efficient, reliable product at an affordable price. The **PULSE®** is available with turbine or submersible style pumps. The small footprint of this pumping system allows you to install the skid in a 9 square meter (100 square foot) building.



PULSE® 1000
Moderately priced but loaded with features



Toll Free 1-888-222-6676 Tel (905) 469-6444 Fax (905) 825-8139
18-1290 Speers Road, Oakville, Ontario L6L 2X4
www.pumptronics.ca



PULSE® FEATURES

DESIGN CRITERIA

- Available with submersible or vertical turbine pumps
- Pump efficiencies from 72 to 86%, motor efficiencies 86% to 93%
- Flow Rates from 600-1500 gpm (37 to 95 l/s)
- Pressures from 50-175 psi (350 -1200 Kpa)

Voltage

- Available in 230/460/600 volt 3-phase
- Available in single phase 230/460 up to 1500 usgpm

Quality Construction

- Fabricated steel or cast iron pump discharge heads
- Positive air relief on discharge heads with no moving parts
- Valvmatic 1400 style, wafer type check valves
- High efficiency turbine pumps with cast iron bowls, bronze impellers and stainless steel shafts
- Clayton pressure relief valve to allow constant speed operation of the pumping system
- Lever operated, wafer style pump isolation valves on each pump
- Discharge lever handle isolation valves up to 6" , gear operated valves over 6"
- Integral wet well access hatch
- Grit blasted subsurface with 6-8 mil Epoxy Paint Process
- Continuous weld deck plate
- 0 -300 psi, silicone-filled, pressure gauge on discharge manifold
- Discharge pipe with ball valve isolation winterizing port

MODEL	USGPM	PSI	TOTAL HP	PUMPS
PUL-2VST-600/125-30/2-3450-600/3/60	600	125	60	2
PUL-2VST-800/125-40/2-3450-600/3/60	800	125	80	2
PUL-2VST-1000/125-50/2-3450-600/3/60	1000	125	100	2
PUL-2VST-1200/125-60/2-3450-600/3/60	1200	125	120	2
PUL-2VST-1500/125-75/3-3450-600/3/60	1500	125	150	2

Flow rates and pressures can be altered based on requirements

Quality Electronic Controls

- CSA and UL approved panel with safety door inter-lock switch
- Simple pump operation and easy access to information windows with text/graphic operator interface
- Air cooled control panel
- Stainless steel pressure transducers rated at 250 psi
- Fused motor and overload protection
- Variable Frequency Drive (VFD) with input line reactor for extra protection
- Surge and Lightning Protection
- VFD fault shutdown with auto-restart
- System phase failure, phase imbalance and phase reversal protection
- Low Voltage, High Voltage protection
- Individual run time and motor start monitoring
- Automatic alternation of VFD pumps
- Fault alarm list with time and date log
- Automatic Ramp algorithm to bring pressure from 0 to setpoint while protecting the irrigation system

Options Available

- 1800 RPM lubricated shaft turbine pumps
- Flow meter spool with Muis digital flow meter



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