

Hydro-Pac & Multi Hydro-Pac Variable Speed Drive Booster Systems



The Hydro-Pac units successfully combine Lowara pumps with a Hydrovar microprocessor controller mounted directly on the pump motor, to deliver a simple to use and energy efficient water management system.

Hydrovar Features:

- Constant pressure over various flow demands
- Run dry protection
- Protects the motor from over/under voltage, overload and earth failure
- Built-in pressure/flow sensor failure
- Provides a soft start that helps to eliminate problems associated with water hammer
- Connections for remote monitoring and alarm
- Up to 8 pumps interfaced together with RS485
- Power output range available 1.5kW to 22kW (larger units available on request)
- Reduced energy consumption up to 70%
- Wall-mounted Hydrovar option also available

Main Applications:

IRRIGATION

- Horticulture to turf irrigation

WATER SUPPLY

- Pressure boosting for high rise buildings, schools and apartment complexes
- Mains water supply for single dwellings to residential communities

INDUSTRIAL

- Filtration systems
- Boiler feed systems
- HVAC
- Water treatment plants
- Water boosting for manufacturing industries
- Hot/cold water for food related industries

No More:

- Large pressure tanks
- By-pass lines
- Expensive control valves
- Separate control panels
- Wasted energy

3 ways of Controlling Hydro-Pac Units:

1. Maintaining a constant pressure
2. Maintaining a constant flow
3. Following a system curve

Scope of Supply:

- 1 to 8 pumps with motors
- Hydrovar microprocessor mounted on top of each pumps' motor
- Pressure transducer for each pump
- Non-return and isolating valves for each pump
- Pressure gauge
- Pressure tank mounted on discharge manifold
- Stainless steel manifolds
- Base mounted for easy transport and installation
- Each unit is fully wired and pre-programmed



Pressure-Pac & Multi Pressure-Pac Constant Speed Booster Systems



LOWARA

The Pressure-Pac units successfully combine Lowara pumps with pressure tanks, providing cost effective and efficient pressure controlled systems suitable for many different applications.

Pressure tanks are available in four sizes to suit system requirements with water draw off up to 25 litres. Each unit is factory assembled and it only requires power and water connection on site.

Control Panel Features:

- Starts/stops pump(s) based on water demand
- Distributes the workload evenly between pumps
- Saves the pumps from excessive starts
- Optional loss of prime protection
- Allows for automatic or manual operation
- Indicates the mode and operating status of the pumps
- Signals any malfunction
- Ensures personal safety



2 Ways of Controlling Pressure-Pac Units:

1. Pressure switch - Single pump
2. Control Panel - Multiple pumps

Scope of Supply:

- One or more electric pumps
- An optional jokey pump
- Pressure switch/control panel
- Optional float switch for tank applications
- One or more pressure tanks
- Pressure gauge
- Non return valve(s)
- Isolating valve(s)
- Stainless steel manifolds
- Base mounted for easy transport and installation
- Each unit is fully wired



Dealer Details

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