SubDrive2W
CONSTANT PRESSURE
For Single-Phase, 2-Wire Applications

Lancaster Pump Offers The Most Advanced Solutions For Providing Constant Water Pressure To Residential Water Systems

FEATURES
- Single-phase, 230 volt, 2-wire motor constant pressure system
- ½hp, ¾hp or 1hp performance
- Can retrofit existing systems—no need to pull the pump
- Plug and play
- Built-in diagnostic protection
- Converts conventional 1/2hp, 3/4hp and 1hp pumping systems to a variable-speed constant pressure system by simply replacing the pressure switch
- Pump output using the SubDrive2W is similar to the performance achieved using a conventional pressure switch without the 20psi differential. (Refer to SURVIVOR Series Pump literature for details of the pump selection procedure.)
- Ideal for applications where constant pressure is desirable: residential water systems, landscaping, water treatment and geothermal applications where a Franklin Electric two-wire motor is currently installed.

Note: For 3-wire single phase ½-1hp application, MonoDrive part number 6-5870203110 available.

PREMIER PRESSURE™
Featuring Franklin Electric’s SubDrive 75 and 150 Constant Pressure Controllers, our Premier Pressure Systems utilize our performance-proven SURVIVOR® Series Pump Ends and industry-standard Franklin Electric motors. Premier Pressure provides constant pressure through a wide range of flow demand, including large homes, ground source heat pumps and sprinkler systems.

Lancaster Pump offers 8 different systems to choose from, depending on depth of well and available water flow. (Refer to Premier Pressure specification sheets for accurate sizing information.)

FEATURES
- 1½hp performance from a ¾hp Pump End.
- 3hp performance from a 1½hp Pump End.
- Constant water pressure with a wide range of settings (25 to 80 psi).
- Works with small pressure tanks or larger tanks already in place.
- 3-phase performance using 1-phase input - more efficient and smoother running.
- Built-in diagnostics and protection - surge protection, under-load, under-voltage, locked pump, open circuit, short circuit, overheated controller.
- Smart Reset technology allows well recovery before restarting the pump.
- Water faucets can be installed between wellhead and controller.
Franklin Electric’s SubDrive 75 and 150 Includes...

- A. Controller Unit
- B. Strain Relief Fittings
- C. Pressure Sensor and Boot
- D. Sensor Adjustment Tool
- E. Sensor Cable
- F. Installation Manual
- G. Installation Guide

HOW IT WORKS

1. Controller Unit:
   - Connects to the pressure sensor
   - Controls the pump's operation

2. Pressure Sensor and Boot:
   - Measures water pressure
   - Transmits signals to the controller

3. Sensor Adjustment Tool:
   - Used to calibrate the sensor

4. Sensor Cable:
   - Connects the sensor to the controller

5. Installation Manual:
   - Provides detailed instructions for installation

6. Installation Guide:
   - Offers step-by-step guidance for setup

Premier Pressure Model Number Breakdown

<table>
<thead>
<tr>
<th>Premier Pressure System Model Number</th>
<th>Lancaster Survivor Pump End Used</th>
<th>Franklin Electric Motor Used</th>
<th>Franklin Electric SubDrive Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3SJ15013-3PP</td>
<td>SJ7513</td>
<td>234 514 XXXX 1.5hp</td>
<td>SubDrive 75</td>
</tr>
<tr>
<td>2-3SL15012-3PP</td>
<td>SL7512</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-3ST15010-3PP</td>
<td>ST7510</td>
<td>234 316 XXXX 3.0hp</td>
<td>SubDrive 150</td>
</tr>
<tr>
<td>2-3SU15006-3PP</td>
<td>SU7506</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-3SW15005-3PP</td>
<td>SW7505</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-3ST30017-3PP</td>
<td>ST15017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-3SU30011-3PP</td>
<td>SU15011</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-3SW30009-3PP</td>
<td>SW15009</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Catalog Section:

- 3 Wire: Single phase connections
- S: Stainless Steel
- J: Pump Discharge Head
- PP = Premier Pressure
- 3 = 230 Volt, Three Phase
- Number of Pump Stages
- 150 = 1.5hp
- 300 = 3.0hp

Franklin Electric’s SubDrive 75 and 150 includes various components and features for pressure control systems.