

The *TW1000-50W-50 Chair Frame Booster System* is equipped with a centrifugal pump regulated by a variable frequency drive that controls pump operation to maintain constant pressure regardless of varying demand or fluctuation in incoming pressure. This system will supply 50 GPM with a 50 PSI overboost.

Features and Benefits:

- Residential & Commercial application
- Quiet, Compact & Powerful
- Variable Frequency Drive controlled pump
- Energy efficient operation
- Prewired & Factory Tested

Standard system components:

- Centrifugal Pump
- VF drive with transducer
- Pneumatic tank
- Pressure Gauge
- Relief valve
- Tank tee
- Check valve
- Brass Nipple
- Steel Chair Frame
- Copper Fittings

Technical Specifications:

- Pump:** Walrus (TEFC motor) [8T-5K]
- Controller:** Emerson or equal
- Flow Rate:** 50 GPM
- Boost:** 50 PSI Overboost
- Horse Power:** 2 HP
- Suction:** 1 1/2 inch
- Discharge:** 1 1/2 inch
- Tank:** 8.5 Gallons
- Frame Size:** 18.75"W x 44.25"H x 16.25"D
- Decibel rating:** <80 db @ 3500 RPM
- Power Options:** Independent circuit required
208-220V/1-3PH
360-480V/3 PH

Minimum requirements:

- Adequate amount of water volume needed
- Water supply must be free of large impurities
- Booster system must not be run dry
- Pump needs flooded suction
- Pump cannot lift water from an underground water storage tank
- Booster system must be protected from the elements
- Isolation valves must be installed on suction and discharge of the booster system.



*All parts shown are included in the system
Actual system components may vary
Some assembly required*

Pump performance curve

