OFF THE SHELF

# Potable Water Pump

This inline potable water pump is designed to supply a flow of up to six gallons per minute at 18 psi. It is equipped with electromagnetic interface (EMI) filtering, sensor-less locked rotor protection software, and discrete output signals for high-current, high-temperature, and rotor rotation.


## Product Overview & Features

This pump uses single-phase 115V AC at frequencies from 360-800Hz to drive a high-efficiency, brushless DC motor. The pump is mounted in line and uses standard Wiggins flexible coupling-style hydraulic connections.

The pump is mounted via four mounting holes in the feet. A standard military-style connector is used for the electrical connection.

- All wetted surfaces are made up of 316L stainless steel, making this pump compliant to NSF61
- The mechanical design allows recovery from freezing while not in use without permanent damage
- The electronics are housed in a dry cavity by way of a canned rotor design
- The canned rotor design allows for no elimination of rotating shaft seals
- The wetted carbon bearings allow for long-life fluid film design

## Applications

- Boeing 787
- Bombardier C Series

## Specifications

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|---|---|
| Application | Commercial aircraft |
| Rated flow | 6 GPM at 18 psig |
| Maximum pressure | 42.6 psig at 0 GPM |
| Fluid type | Potable water |
| Fluid temperature | 40°F to 130°F |
| Ambient temperature | 40°F to 130°F |
| Voltage | 115 VAC single-phase |
| Frequency | 360-800 Hz |
| Maximum current | Maximum 4 amps |
| Total weight | 6.5 pounds |

## Contact Information

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