



## OPTIMIZE PRODUCTIVITY—MAXIMIZE CONTROL

Olympic Controls Corporation offers reliable, electrical solutions to optimize your productivity and maximize control of your energy systems. 50+ years of proven manufacturing in the U.S.A. sourcing local products for any size order with incredible prices. Experience the shortest lead time in procuring the electrical components required for your commercial, industrial and military applications.

### POWERFUL BENEFITS TO OUR PARTNERS:

- Winning combination of an experienced team and hands-on management.
- On-time delivery with shortest lead time.
- Cost competitive, proven U.S. manufacturing capabilities with CAD/CAM services.
- Product expertise with technical schematics and on-line catalog of electrical solutions.
- 100% commitment to continuous improvement and safety of our manufacturing process.

## FUEL PUMPS

- BRUSHLESS ★ NEW MODEL ★
- BRUSHED
- PUMP-AND-BRACKET
- PUMP-IN-A-CAN
- 12V, 24V, 28V, 32V

**WE ARE 'THE ORIGINAL'**, tough, submersible, electric fuel pumps designed to meet the high demands and severe standards of the military—including 37 different vibration, shock and various operational tests.

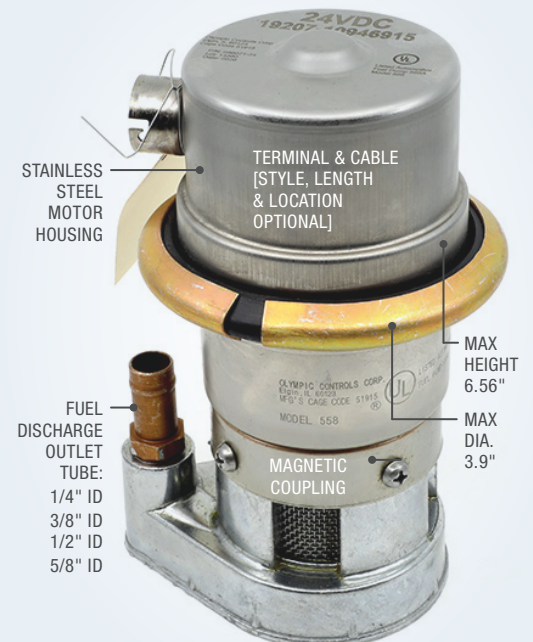
### FUEL PUMP SPECIFICATIONS:

- 10,000 ENDURANCE HOURS of expected continuous duty life for brushless models.
- MODELS AVAILABLE: BRUSHLESS at 28 through 32 Volt and BRUSHED at 12, 24 and 28 Volt.
- CORROSION RESISTANCE: Stainless steel motor housing, glass sealed electrical fitting, zinc pump body and plated hardware resist corrosion.
- DRY OPERATION: Permanently lubricated motor bearings inside a hermetically-sealed motor housing. Stainless steel pump shaft running in carbon bearings can tolerate short periods of dry operation.
- INSTALLATION: Arrives fully assembled and ready to install. In-tank units have a cover plate and brackets with 1/2" ID connections that mount from the top of the tank. The self-contained mini-tank version has 1/2" ID (24V) or 3/8" ID (12V) fittings and mounts anywhere where it can be filled by gravity.
- MAGNETIC COUPLING turns the motor pump shaft using the highest quality ceramic magnets and operating through a stainless steel bulkhead, for long life under the toughest conditions.
- QUALITY: We perform 3 operational quality control tests on each pump before it leaves our facility. UL listed and manufactured to military standard MIL-P-62011.
- RAPID PRIMING IN 5 SECONDS OR LESS due to unique double inlet which permits vapors to escape from pump cavity.
- TRASH TOLERANCE: Our centrifugal pump handles most particulates that pass through a 50 x 50 (12V) or 18 x 18 (24V) monel screens.
- VIBRATION RESISTANCE: Designed and tested to meet military standard MIL-P-62011 vibration and shock requirements.

50+ years of proven manufacturing in the U.S.A., experience short lead times for any size order with incredible prices. Let's discuss how we can power your systems at [info@occcorp.com](mailto:info@occcorp.com).

### ELECTRIC FUEL PUMP

Engineered for 4,000 hrs of operation (over 200,000 miles) and outlasts a mechanical pump by two to three times.



ASK ABOUT OUR CUSTOMIZED OPTIONS AVAILABLE FOR YOUR PRODUCT LINE.

## FUEL PUMP OPTIONS:

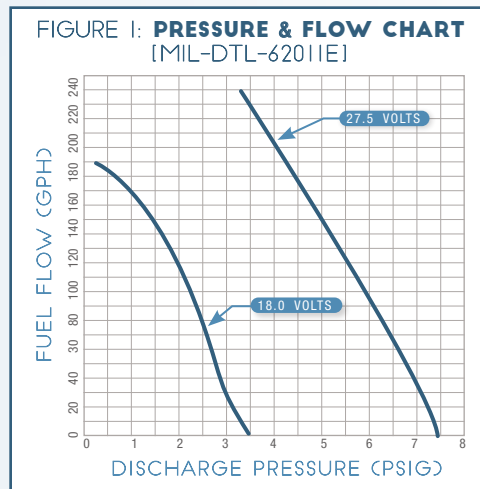
### BRUSHLESS/BRUSHED FUEL PUMP

#### COMPARE TO STANDARD FUEL PUMP MOTOR:

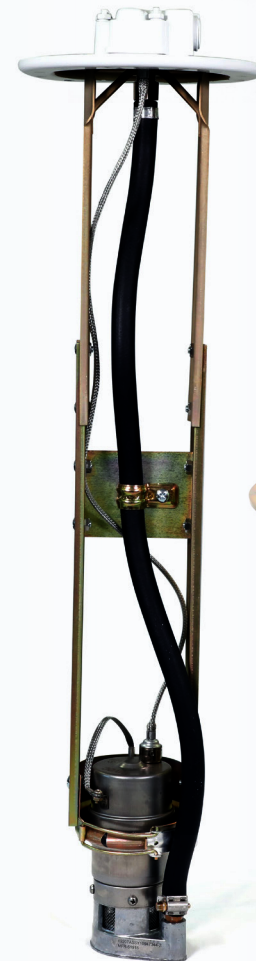
- Designed to be a drop-in replacement for the standard brushed fuel pump.
- Same pumping performance power over the voltage range of 18 Volts DC to 32 Volts DC as in the MIL-DTL-62011E.
- Under software control, the brushless motor will limit its pump speed to approximately 4300 RPM even as system voltage increases up to 36 Volts DC. 4300 RPM is fast enough to provide performance in excess of the requirements, and is slow enough to prevent the decoupling of the magnetic linkage between the motor and pump which can occur during a sudden submerging of the pump into its fuel. Whereas, a brushed motor rpm continues to increase past 4300 RPM as the voltage increases above 28 Volts DC. This motor does stop operating above 35 Volts DC.

#### SPECIFICATIONS:

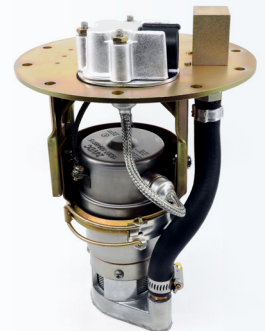
- OPERATING VOLTAGE RANGE: 14 Volts DC to 35 Volts DC
- OPERATING TEMPERATURE RANGE: -54°C to 85°C (-65°F to 185°F)
- ABOVE 18 VOLTS DC, the pump will meet or exceed the pressure and flow requirements in *Figure 1*.
- ONCE STARTED AT OR ABOVE 14 VOLTS DC, the pump motor will continue to run as the input voltage is decreased down to 11.5 Volts DC before shutting off under software control.
- AS THE INPUT VOLTAGE INCREASES ABOVE 35 VOLTS DC, the pump motor will turn off based on high-voltage protection circuits.
- PUMP MOTOR WILL NOT BE DAMAGED, but also will not operate, WITH A REVERSED BATTERY CONNECTION (or negative input voltage).
- OVER 10,000 ENDURANCE HOURS of continuous duty operating time.
- SEALED HOUSING: The motor housing has a hermetically-sealed, welded, stainless steel body for submersed operation and is magnetically coupled to the pump impeller.



BRUSHLESS



PUMP-AND-BRACKET



### PUMP-AND-BRACKET MOUNTING

#### SPECIFICATIONS:

- Our brackets range from 12" to 40"
- Made of steel or ballistic steel depending upon the application
- Plate or paint bracket options to fit our customers' needs
- Compatible with our 12, 24 and 28 Volts and Brushless Fuel Pumps

### PUMP-IN-A-CAN MINI TANK

#### SPECIFICATIONS:

- Allows for the fuel pump to be mounted outside of the fuel tank
- Effectively creates an in-line fuel pump

Over 50 years of powering your business. Reach out at [info@occorp.com](mailto:info@occorp.com) to discuss how our experienced, professional team can be your U.S.-based manufacturing sourcing specialist.



PUMP-IN-A-CAN