

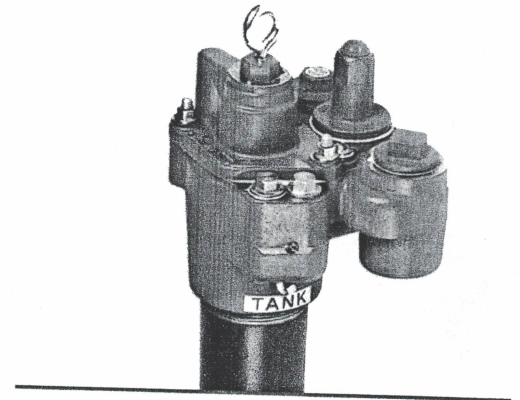
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The Red Jacket® Alcohol Gas Submersible Turbine Pump

THE RED JACKET® ALCOHOL GAS SUBMERSIBLE TURBINE PUMP FOR ALTERNATE FUELS

The Red Jacket® AG STP

The cornerstone of your alternative fueling infrastructure, the Red Jacket® AG series of submersible turbine pumps are built on the foundation of The Red Jacket® model and is specially designed for resiliency in the harsh alternative fuel environment.

The Red Jacket® AG STP is compatible with Ethanol or Methanol concentrations up to 100% and MTBE, ETBE or TAME concentrations up to 20%, and is UL79A and UL79B certified for use with renewable biofuels.



Designed for alternate fuels

All the advantages of the Red Jacket Submersible Turbine Pump, designed for alternative fuels – such as alcohol and ethanol. Red Jacket Submersible Turbine Pump AG is a fixed-speed alcohol gas fuel pump with a motor that delivers a higher flow rate than comparable submersible fuel motors, to optimize fuel flow and dispensing. The STP also features Red Jacket's advanced packer manifold design, making it the industry's easiest and safest STP to install and service. This STP solution is available in ¾HP to 2HP motor configurations and fixed or Quick Set® adjustable lengths.

Features and Benefits

Alternative Fuel ready with AG compatible hardware:

- **Specialized Design** – compatible with Alternate Fuels Ethanol or Methanol concentrations up to 100% and MTBE, ETBE or TAME concentrations up to 20%.
- **Certified** – UL79A and UL79B for use with renewable biofuels.

Superior motor design provides higher flow rates, lower power consumption, and increased safety and reliability:

- **Up to 5% Increased Flow** – Improved stator and receptacle housing design provides larger fuel paths.
- **8% Less Power Consumption** – More efficient motor design results in 8% reduction in wattage.
- **Better Quality** – Red Jacket's motor manufacturing yields improved quality, which means more station uptime than other STPs on the market.
- **Universal Compatibility** – Fewer parts to stock.
- **Improved Reliability** – Improved bearing design and upgraded insulation yield longer motor life.
- **Increased Safety** – Maximum temperature remains ~125 degrees cooler vs. competitive models. Enhanced connectors separation meets latest flameproof standards.

Advanced packer manifold design expedites installation, simplifies service or testing, and sets the standard for Electrical and Environmental Safety:

- **Environmentally Friendly** – Automatic breaking of extractible seal upon bolt removal ensures automatic fuel drain back into tank, protecting the environment from contamination and site owners from related liability.
- **Innovative Check Valve Design** – “Open” setting makes for easier line tests and servicing.

Specifications

Fuel Compatibility	<ul style="list-style-type: none"> • 100% Gasoline • 100% Diesel • 0-100% Biodiesel blends • Jet Fuel • AVGAS • Kerosene and Fuel Oil • Methanol concentrations up to 100% • Ethanol concentrations up to 100% • MTBE, ETBE, or TAME concentrations up to 20%
Motor Sizing	<ul style="list-style-type: none"> • 3/4 HP, 60 HZ, 1-phase • 1 1/2 HP, 60 HZ, 1-phase • X3 1 1/2 HP, 60 HZ, 1-phase, high pressure • LP 2 HP, 60 HZ, 1-phase, low pressure • 2 HP, 60 HZ, 1-phase
Hardware Construction	<p>Column Pipe and Riser:</p> <ul style="list-style-type: none"> • Standard <p>Packer Components:</p> <ul style="list-style-type: none"> • Stainless Steel
Protective Coatings	<ul style="list-style-type: none"> • N/A
Operation Environment	<ul style="list-style-type: none"> • Class 1, Group D atmospheres • Low Corrosion Environment • Dry Sump Space (No Water Ingress)
Installation Depth Range	<p>Fixed Length:</p> <ul style="list-style-type: none"> • 3.5' to 19' <p>Quick Set (Adjustable Length):</p> <ul style="list-style-type: none"> • RJ 1 = 74.5" - 105"* • RJ 2 = 104.4" - 165" • RJ 3 = 164" - 225" <p>*Assumes 1.5 HP</p>
Packer Manifold Access Ports	<p>Siphon Ports:</p> <ul style="list-style-type: none"> • 2 available, 1/4" NPT • Vacuums generated up to 25 in Hg. <p>Line Pressure Port:</p> <ul style="list-style-type: none"> • 1 Available, 1/4" NPT <p>Vent Port:</p> <ul style="list-style-type: none"> • 1 Available, 1/4" NPT

Agency

UL Listings:

- 100% Diesel
- 100% Gasoline
- 100% Biodiesel (B100)
- Kerosene and Fuel Oil
- 85% Ethanol (E85)
- 0-20% Biodiesel blends
- Gasoline and up to: 15% Methanol, 20% MTBE, 20% ETBE, 20% TAME

Other Agency Listings:

- cUL

The Red Jacket Portfolio offers a variety of solutions tailored for the special requirements of resiliency in today's renewable fuels, as well as fuels focused on improved emissions and fuel economy.

Documentation

Documents

- ↓ [The Red Jacket AG Specification Sheet \(576047-268\) \(PDF\)](#)
- ↓ [The Red Jacket Product Family Brochure \(576047-191\) \(PDF\)](#)
- ↓ [The Benefits of Owning a Red Jacket \(576047-193\) \(PDF\)](#)
- ↓ [The Benefits of Servicing a Red Jacket \(576047-194\) \(PDF\)](#)
- ↓ [The Red Jacket STP Installation Manual \(577013-830\) \(PDF\)](#)

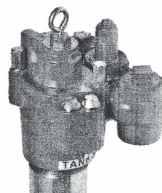
RELATED PRODUCTS



The Red Jacket STP Accessories

Accessories for The Red Jacket STP Platform

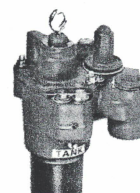
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The Red Armor® Submersible Turbine Pump

The ultimate survivor in your fueling infrastructure, the Red Armor® series of submersible turbine pumps is built to last in the harshest corrosive environments created by ULSD and ethanol blends.

[Learn More >](#)



The Red Jacket® Submersible Turbine Pump

The cornerstone of your fueling infrastructure, the Red Jacket® series of submersible turbine pumps is the foundation model that sets the standard for high throughput, high reliability fueling applications.

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