



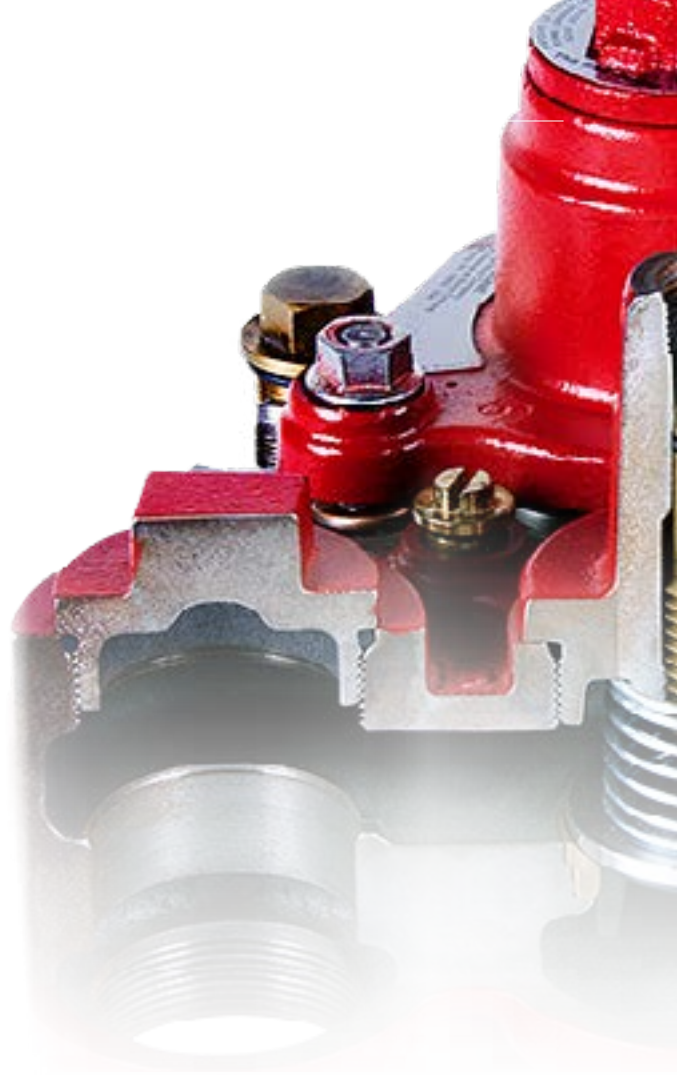
# RED JACKET

## Submersible Pumping Solutions

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.

# Red Jacket®

They are the most widely installed submersible fuel pump in the world. And that's because Red Jacket continues to deliver the highest efficiency fuel flow and lowest power consumption to your fuel pumps. Since 1878, Red Jacket has continued our tradition of building a high quality, reliable pump that is **BUILT TO LAST.**



## The Red Jacket® Submersible Turbine Pump

### **Extensive range options**

¾, 1½ or 2 HP versions 3-phase/50Hz to suit wide range of applications and site configurations.

### **Pressure technology**

Less pipe work and fewer moving parts than equivalent suction system, without risk of vapour lock

### **Consistent flowrate**

Pump fuel efficiently over greater distances at higher temperatures and altitudes.

### **Integrated line leak**

Mechanical or electronic line leak controlled by TLS monitoring system with automatic shutdown for maximum environmental protection.

### **Uniquely designed extractable**

When removed, check valve, leak detector and siphon cartridge remain in manifold and do not require disconnection.

### **Hazard isolation**

The electrical connection is automatically broken as the extractable is removed. This means that fuel in the manifold and non-isolated piping drains are sent safely back to the tank, preventing spills and reducing service costs.

### **Vertical product discharge**

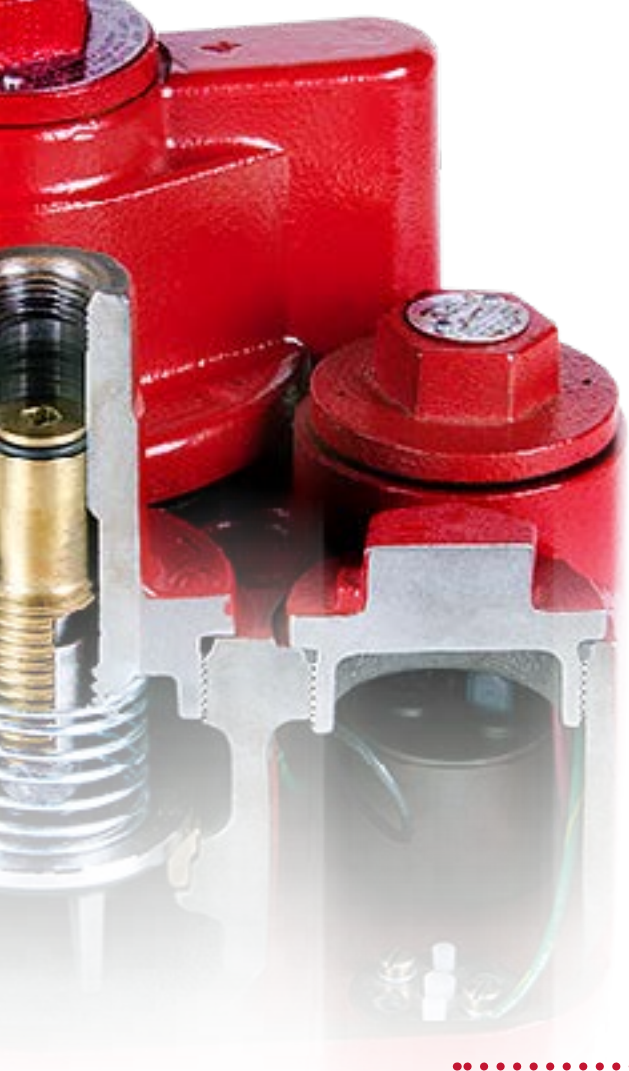
Allows easier connection to horizontal pipe work using standard pipe fittings.

### **Twin siphon ports**

Two siphon cartridge ports allow connection to multiple systems. Unique swivel design allows easier connection.

### **Lockable check valve**

Easily relieve pressure and drain non-isolated product in the manifold and line safely into the tank for testing or maintenance.



## Advanced Design

### Easy to install and service

Fixed speed technology cuts down installation costs and avoids electrical interference with your ATG, POS, Cameras, and Intercoms. Red Jacket Pumps also feature an integrated yoke and junction box, eliminating the need for external components and further streamlining the installation process.

### Global safety certification

The Red Jacket portfolio of submersible turbine pumps contains a variety of solutions to comply with global standards and are recognized by all major regulatory bodies.



## 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.

## Advanced Controls

### Flow optimisation

Monitor demand at the site and stage on additional pumps to ensure optimal fuel flow at all demand conditions.

### Connectivity

Connect to your TLS-450PLUS to activate tanks based on easily set fuel parameters in manifolded tanks.

### Custom user access

Manifold together two Red Jacket STPs at sites with high demand to ensure flow rates and the ability for pumps to back each other up.

# Technical Specifications

The TLS4 series is available in a choice of 3 options depending on your requirements

## Red Jacket 4\* Submersible Turbine Pumps

Horse Power	0.75	1.5	1.5 x 4	2.0
-------------	------	-----	---------	-----

## Performance Specifications

Flow rate @ 0.7 Bar in petrol	200 LPM	300 LPM	220 LPM	330 LPM
Static pressure in petroleum	2.4 Bar	2.5 Bar	2.8 Bar	3.1 Bar

## Installation Requirements

Electrical Supply	3-phase, 50Hz, 380 – 415 Volts AC
Required NPSH (Net Positive Suction Head)	100 mm above pump inlet

## Certification

ATEX approval	II 1/2 G EN15268 IIA T3 DEMKO 12 ATEX 1247797 X
Special conditions for safe use	See Manual 577014-049 for details of installation, operation and maintenance requirements



# LPG Premier Range

## The most efficient way to pump LPG

Maintain optimum flow rates quietly to enhance customer experience, pump LPG greater distances, gain flexibility in station design and eliminate vapour lock conditions.



### Red Jacket Premier

- ✓ Entry level option for lower flowrate requirements.
- ✓ Flowrate 70 litres per minute at 7bar.

### Red Jacket Premier MidFlow

- ✓ For LPG refuelling applications with low to intermediate flow requirements.
- ✓ Flowrate 100 litres per minute at 7bar.

### Red Jacket Premier HiFlow

- ✓ For higher capacity installations such as commercial vehicle fuelling facilities and bottle filling plants.
- ✓ Flowrate 150 litres per minute at 7bar.

## Why Red Jacket?

Red Jacket delivers higher fuel flow, higher reliability, lower power consumption and better safety with the industry's most advanced motor. This means faster fueling, less station downtime and lower energy bills for you.

- ✓ **Up to 5% increased flow over any existing motor** – improved stator and receptacle housing design provides more room for fuel flow
- ✓ **8% less power consumption** – more efficient motor design results in 8% reduction in wattage
- ✓ **Improved reliability** – design enhancements and improved insulation reduce wear and yield longer motor life
- ✓ **Increased safety** – Red Jacket's motor remains cooler than alternative STP motors. Unique motor electrical connector meets more stringent flameproof standards
- ✓ **Better quality** – Red Jacket's new motor manufacturing process yields a higher quality motor, which means more station uptime than other STPs on the market
- ✓ **Compatible with all Red Jacket and competitive 4" STPs on the market**

A network diagram background consisting of a grid of grey dots connected by thin grey lines. Some dots are highlighted with concentric circles of varying sizes, creating a focal point effect.

# World leader in submersible pressure technology.

For large networks.  
For single sites.

Find out how your business could benefit from improved wetstock control, whether you just need data automation, support for an existing wetstock team or process, or a fully outsourced managed service.

Email: [salesmea@gilbarco.com](mailto:salesmea@gilbarco.com)  
[www.gilbarco.com/mea](http://www.gilbarco.com/mea)

