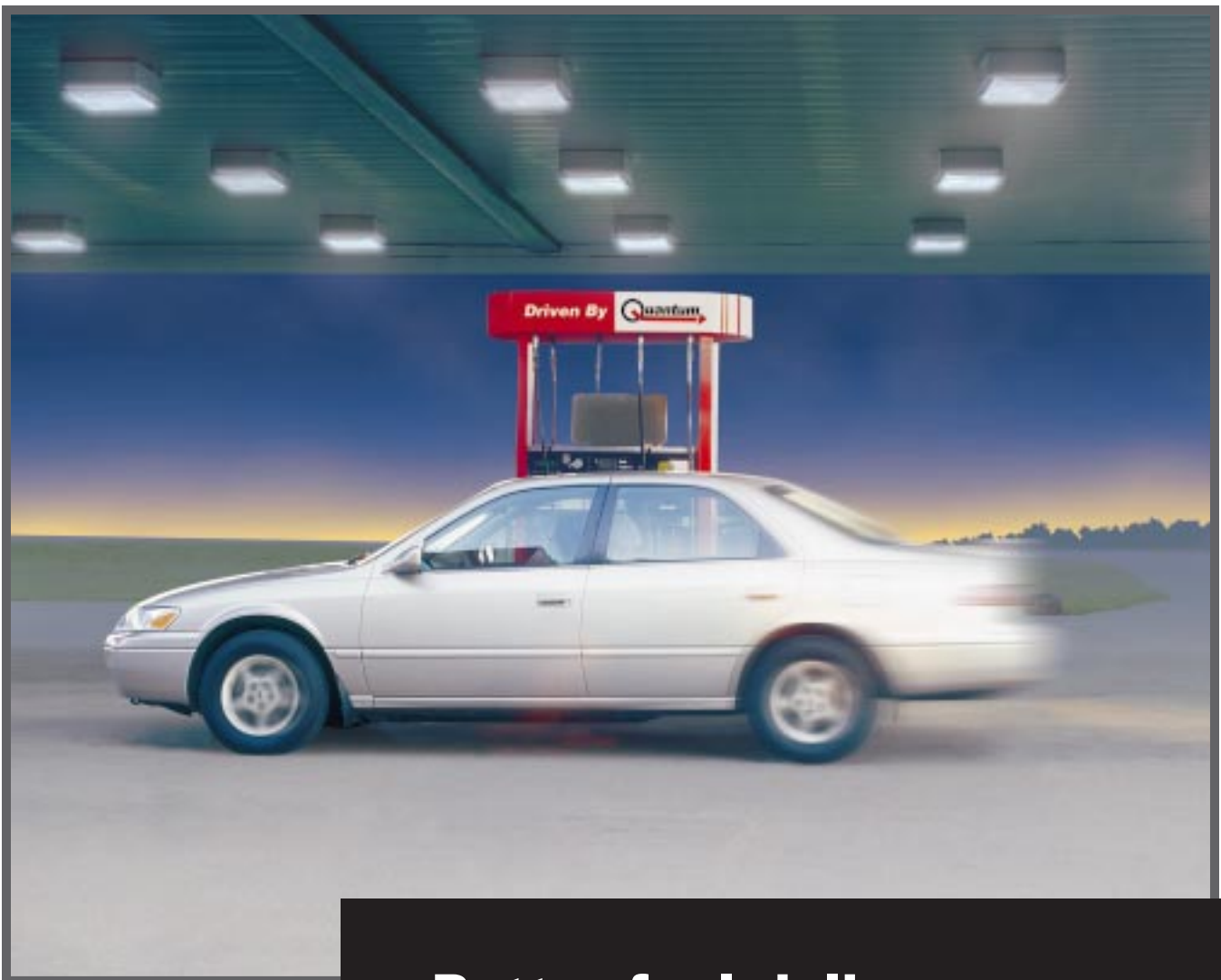




## Enhanced Packer Manifold



**Better fuel delivery means  
faster fueling cycles and  
more customers.**



**As the demand for higher flow rates at peak usage times occurs, so does the need for higher performing pumps.**

**More than ever, today's** service stations need to protect profitability. Red Jacket responds with Quantum™, the most significant petroleum pump enhancement in decades. Quantum is a Red Jacket Extracta® assembly, which may be installed on any new or existing Red Jacket UMP (unitized motor/pump).

**The Quantum features a** dramatically re-designed flow path which significantly reduces restrictions. The result is the highest flow rate of any 4 inch submersible petroleum pump on the market. By reducing the flow restrictions in a pumping system, pressure loss is minimized. Higher flow rates are delivered to the fueling islands. Service station customers fill-up faster, leaving the lane available for the next customer.

**The Quantum is compatible.** It's AG compatible and designed to accommodate existing and emerging leak detection systems. Quantum pumps are designed to be compatible with diesel, 100% gasoline, or 80% gasoline with 20% methanol, ethanol, TAME, ETBE, or MTBE, as well as 100% methanol and 100% ethanol. They are retrofittable to virtually all existing Red Jacket applications right down to the paint color.

Quick control of the system pressure, from 0-40 psi, is available through Red Jacket's Pressurstat™. This allows the user to adjust the settings for electronic or mechanical leak detection and bleed pressure to zero before service work.



**The Quantum is factory supplied with the customer's choice of capacitor arrangement. Since all Quantum pumps utilize a three wire yoke, they can be supplied with the capacitor in the control box or in the package with the pump.**

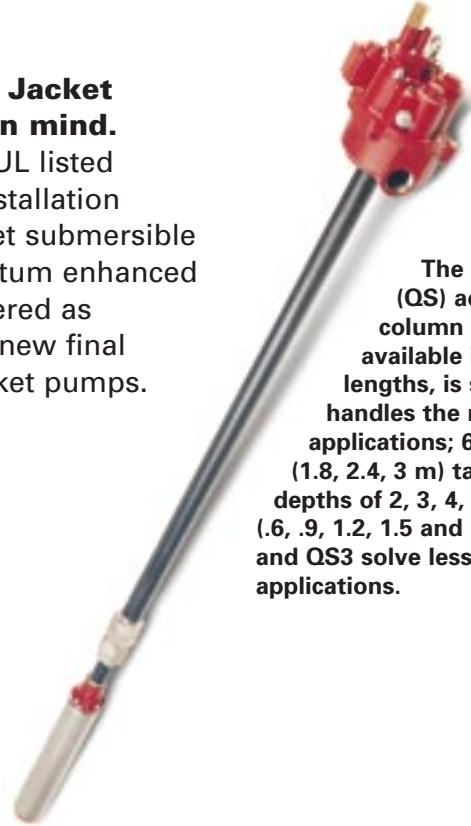
# Enhanced Packer Manifold

**Designed with your Red Jacket pump installation base in mind.** Quantum is available as a UL listed retrofit option, ready for installation into virtually any Red Jacket submersible pump in service. The Quantum enhanced packer manifold is also offered as standard equipment on all new final assembly Extracta Red Jacket pumps.

The Quick-Set™ (QS) adjustable column design, available in three basic lengths, is standard. QS2 handles the majority of applications; 6, 8 or 10 foot (1.8, 2.4, 3 m) tanks in bury depths of 2, 3, 4, 5 and 6 feet (.6, .9, 1.2, 1.5 and 1.8m). QS1 and QS3 solve less common applications.

## Faster fueling cycles

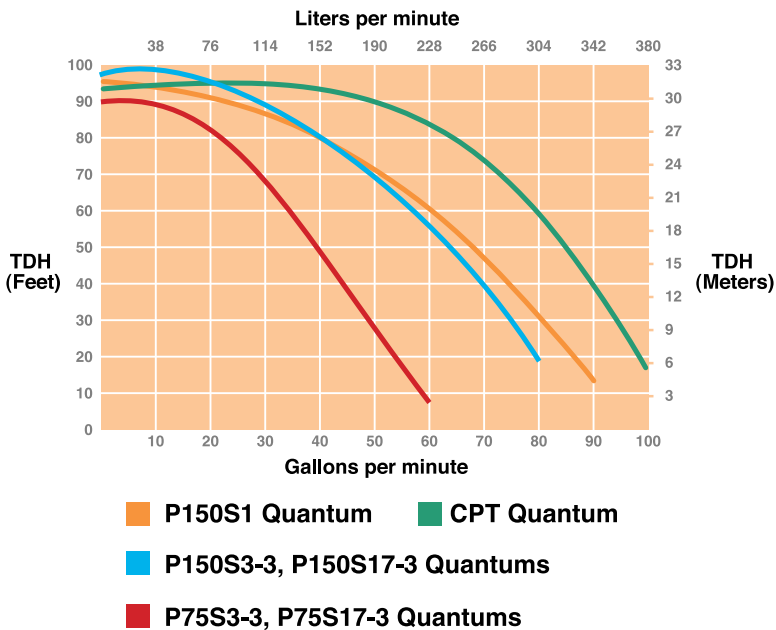
*Eliminating internal restrictions and increasing flow are the keys to Quantum's superior performance.*





## Specifications

## Performance Comparison



**Designed for Hazardous Location:**  
Class 1, Group D atmospheres

**Quick-Set Adjustment Range:**

QS1 = 60" - 90" (1.5m-3.5m)  
QS2 = 90" - 150" (3.5m-3.8m)  
QS3 = 150" - 210" (3.8m-5.3m)

**Agency Listing of Retrofit:**

UL  
CSA

**4" Horsepowers Available:**

1/3 HP, 60 HZ, 1-phase  
3/4 HP, 50 HZ & 60 HZ, 1-phase  
1 1/2 HP, 50 HZ & 60 HZ, 1-phase  
X3, 60 HZ, 1-phase  
X4, 50HZ, 1-phase or 3-phase  
X5, 60 HZ, 1-phase  
2 HP, CPT, 1-phase or 3-phase

**Vapor Recovery Pump Driving Port:**

1 Available. 1" NPT

**Expansion Relief/Static Pressure Range:**

Adjustable from 0-40 PSI (0-2.8 Bar)

**Siphon Ports:**

2 available. 3/8" NPT. Vacuums generated up to 25 in Hg.

**Fuel Compatibility:**

Diesel  
100% Gasoline  
80% Gasoline with 20% Ethanol, Methanol, TAME, ETBE, or MTBE  
0-100% Ethanol  
0-100% Methanol

**Line Pressure Port:**

1 Available. 1/4" NPT

**Vent Port:**

1 Available. 1/4" NPT



Quantum pumps are now shipped in Red Jacket's new *Pal-et-case*™, which offers superior shipping protection. *Pal-et-cases* can be stacked three high and nine units can be handled by a standard fork lift at one time.

Providing solutions ...through listening to customers. <sup>SM</sup>

For pricing contact your local Red Jacket distributor, Red Jacket sales representative, or call Red Jacket customer service at 1-800-262-7539.



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A United Dominion Company

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