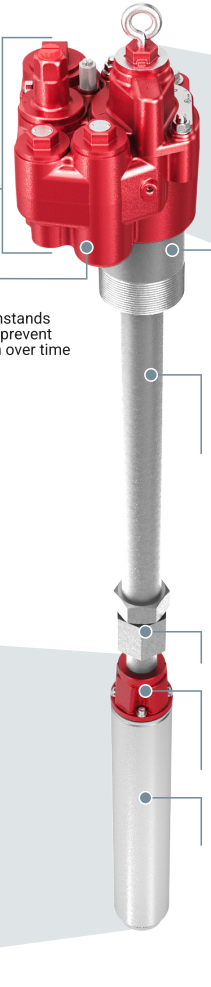
VEEDER-ROOT
Powered by Vontier

Components of the Red Armor® Submersible Turbine Pump

The Ultimate Survivor in Your Fueling Infrastructure

BUILT TO LAST
IN CORROSIVE
ENVIRONMENTS

Red Armor® STP



Packer Manifold
- Keeps line primed via check valve
- Housing extractable for UMP replacement
- Isolates discharge line from tank

Specialty Coating*
- On all cast surfaces withstands acetic acid exposure to prevent pitting and deterioration over time

4" Riser Pipe
- NPT thread
- Structural stability for Packer Manifold

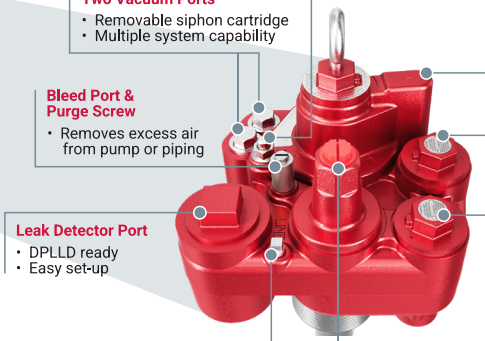
Column Pipe
- Carries product and electrical connection from UMP to Packer Manifold

Quick Set® Connector
- Adjusts length of column

Discharge Head
- Transitions product discharge from 4" UMP to 2" Pipe
- Transitions electrical connection from internal conduit to UMP

Unitized Motor and Pump
- Moves the fluid with rotational energy

Packer Manifold



Retaining Nut & Die Spring
- Break extractable seal to reduce lifting force

Two Vacuum Ports
- Removable siphon cartridge
- Multiple system capability

Internal Electrical Connector
- Automatic electrical disconnect

Bleed Port & Purge Screw
- Removes excess air from pump or piping

Capacitor Housing
- Housing for motor start capacitor
- May also be located in control box

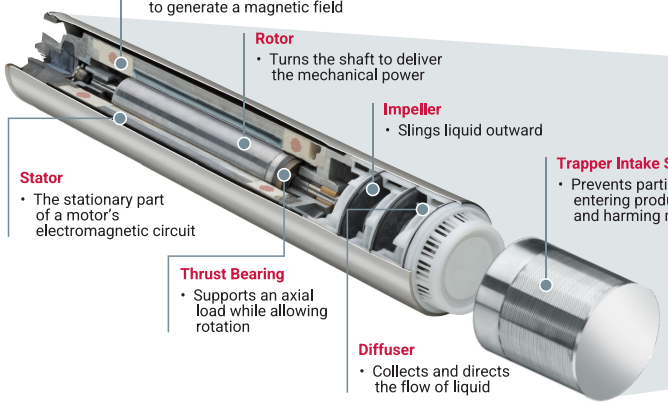
Leak Detector Port
- DPLLD ready
- Easy set-up

Contractor's Box
- Integrated electrical connection enclosure

Line Pressure Port
- Easy pressure reading of discharge line

Check Valve with Pressure Relief
- Lock down or lift for safe and easy tests

Unitized Motor and Pump (UMP)



Windings
- Electric current is passed through the wire of the coil to generate a magnetic field

Rotor
- Turns the shaft to deliver the mechanical power

Impeller
- Slings liquid outward

Trapper Intake Screen
- Prevents particles from entering product stream and harming motor bearings

Stator
- The stationary part of a motor's electromagnetic circuit

Thrust Bearing
- Supports an axial load while allowing rotation

Diffuser
- Collects and directs the flow of liquid

Stainless Steel Construction
- On all exposed surfaces ensures easy maintenance for the life of the pump, including: riser, nuts, springs, screws, check valve seat, eye bolt, check valve guide, column pipe, and Quick Set connector

** Red Armor's specialty coating is the toughest performer across a number of abrasion, immersion, and impact standards.*