



# The Red Jacket Submersible Turbine Pump for Alternate Fuels

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

## Key Features:

- Industry's newest motor design
- Track record of unsurpassed reliability
- Designed to maximize safety and ease of installation
- UL listed biofuel compatibility

## Specifications:

### Fuel Compatibility

- 100% Gasoline
- 100% Diesel
- 0-100% Biodiesel blends
- Jet fuel
- AVGAS
- Kerosene and Fuel Oil
- Methanol concentrations up to 100%
- Ethanol concentrations up to 90%
- MTBE, ETBE, or TAME concentrations up to 20%

### Designed for Hazardous Locations

- Class 1, Group D atmospheres

### Fits installations from 3 ½' to 19' in depth

### 4 Motor Sizes Available:

- ¾ HP, 60 Hz, 1 – phase
- 1 ½ HP, 60 Hz, 1 – phase
- X3 1 ½ HP, 60 Hz, 1 – phase, high pressure
- 2 HP, 60 Hz, 1 – phase

### Siphon Ports:

- Two ports available, ¼" NPT
- Equipped with stainless siphon cartridge for survivability in corrosive fuels (410151-002)

### Compatible with check valve housing models:

- Standard VR ready check valve for PLLD (410152-001)
- High pressure check valve for high pressure applications (410152-002)

### Line Pressure Port: 1 Available, ¼" NPT

### Vent Port: 1 Available, ¼" NPT

### 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

Optional stainless steel trapper intake screen blocks corroded tank debris from clogging dispenser filters



## Quick Set Final Assemblies (Adjustable)

| Horsepower | KW   | Length          | Floating Suction Adapter | Model Number       | Part Number |
|------------|------|-----------------|--------------------------|--------------------|-------------|
| 0.75       | 0.56 | 72" - 102"      |                          | AGP75S1 RJ1        | 410140-019  |
| 0.75       | 0.56 | 102" - 162"     |                          | AGP75S1 RJ2        | 410140-020  |
| 0.75       | 0.56 | 162" - 222"     |                          | AGP75S1 RJ3        | 410140-021  |
| 0.75       | 0.56 | 74.3" - 104.3"  | •                        | AGP75S1 RJ1 FSA    | 410140-022  |
| 0.75       | 0.56 | 104.3" - 164.3" | •                        | AGP75S1 RJ2 FSA    | 410140-023  |
| 0.75       | 0.56 | 164.3" - 224.3" | •                        | AGP75S1 RJ3 FSA    | 410140-024  |
| 1.5        | 1.13 | 74.5" - 105"    |                          | AGP150S1 RJ1       | 410141-019  |
| 1.5        | 1.13 | 104.5" - 165"   |                          | AGP150S1 RJ2       | 410141-020  |
| 1.5        | 1.13 | 164.5" - 225"   |                          | AGP150S1 RJ3       | 410141-021  |
| 1.5        | 1.13 | 76.8" - 107.3"  | •                        | AGP150S1 RJ1 FSA   | 410141-022  |
| 1.5        | 1.13 | 106.8" - 167.3" | •                        | AGP150S1 RJ2 FSA   | 410141-023  |
| 1.5        | 1.13 | 166.8" - 227.3" | •                        | AGP150S1 RJ3 FSA   | 410141-024  |
| 1.5        | 1.13 | 75.5" - 105.5"  |                          | X3AGP150S1 RJ1     | 410143-019  |
| 1.5        | 1.13 | 105.5" - 165.5" |                          | X3AGP150S1 RJ2     | 410143-020  |
| 1.5        | 1.13 | 165.5" - 225.5" |                          | X3AGP150S1 RJ3     | 410143-021  |
| 1.5        | 1.13 | 77.8" - 107.8"  | •                        | X3AGP150S1 RJ1 FSA | 410143-022  |
| 1.5        | 1.13 | 107.8" - 167.8" | •                        | X3AGP150S1 RJ2 FSA | 410143-023  |
| 1.5        | 1.13 | 167.8" - 227.8" | •                        | X3AGP150S1 RJ3 FSA | 410143-024  |
| 2          | 1.5  | 78.5" - 108.5"  |                          | AGP200S1-3 RJ1     | 410142-019  |
| 2          | 1.5  | 108.5" - 168.5" |                          | AGP200S1-3 RJ2     | 410142-020  |
| 2          | 1.5  | 168.5" - 228.5" |                          | AGP200S1-3 RJ3     | 410142-021  |
| 2          | 1.5  | 80.8" - 110.8"  | •                        | AGP200S1-3 RJ1 FSA | 410142-022  |
| 2          | 1.5  | 110.8" - 170.8" | •                        | AGP200S1-3 RJ2 FSA | 410142-023  |
| 2          | 1.5  | 170.8" - 230.8" | •                        | AGP200S1-3 RJ3 FSA | 410142-024  |

Fixed-Speed, single phase STP assemblies. Length measured from the top of the eyebolt to the bottom of the motor inlet. All 208/230 Volts.

## Fixed Length Final Assemblies (Non-Adjustable)

| Horsepower | KW   | Length          | Floating Suction Adapter | Model Number      | Part Number |
|------------|------|-----------------|--------------------------|-------------------|-------------|
| 0.75       | 0.56 | 42" - 132"      |                          | AGP75S1 RJ        | 410166-010  |
| 0.75       | 0.56 | 133" - 168"     |                          | AGP75S1 RJ        | 410166-011  |
| 0.75       | 0.56 | 169" - 222"     |                          | AGP75S1 RJ        | 410166-012  |
| 0.75       | 0.56 | 44.3" - 134.3"  | •                        | AGP75S1 RJ FSA    | 410166-028  |
| 0.75       | 0.56 | 135.3" - 170.3" | •                        | AGP75S1 RJ FSA    | 410166-029  |
| 0.75       | 0.56 | 171.3" - 224.3" | •                        | AGP75S1 RJ FSA    | 410166-030  |
| 1.5        | 1.13 | 45" - 135"      |                          | AGP150S1 RJ       | 410173-010  |
| 1.5        | 1.13 | 136" - 171"     |                          | AGP150S1 RJ       | 410173-011  |
| 1.5        | 1.13 | 172" - 225"     |                          | AGP150S1 RJ       | 410173-012  |
| 1.5        | 1.13 | 47.3" - 173.3"  | •                        | AGP150S1 RJ FSA   | 410173-028  |
| 1.5        | 1.13 | 138.3" - 173.3" | •                        | AGP150S1 RJ FSA   | 410173-029  |
| 1.5        | 1.13 | 174.3" - 227.3" | •                        | AGP150S1 RJ FSA   | 410173-030  |
| 1.5        | 1.13 | 46" - 135"      |                          | X3AGP150S1 RJ     | 410175-010  |
| 1.5        | 1.13 | 136" - 171"     |                          | X3AGP150S1 RJ     | 410175-011  |
| 1.5        | 1.13 | 172" - 225"     |                          | X3AGP150S1 RJ     | 410175-012  |
| 1.5        | 1.13 | 48.3" - 137.3"  | •                        | X3AGP150S1 RJ FSA | 410175-028  |
| 1.5        | 1.13 | 138.3" - 173.3" | •                        | 3AGP150S1 RJ FSA  | 410175-029  |
| 1.5        | 1.13 | 174.3" - 227.3" | •                        | X3AGP150S1 RJ FSA | 410175-030  |
| 2          | 1.5  | 49" - 138"      |                          | AGP200S1-3 RJ     | 410174-010  |
| 2          | 1.5  | 139" - 174"     |                          | AGP200S1-3 RJ     | 410174-011  |
| 2          | 1.5  | 174.9" - 227.9" |                          | AGP200S1-3 RJ     | 410174-012  |
| 2          | 1.5  | 51.3" - 140.3"  | •                        | AGP200S1-3 RJ FSA | 410174-028  |
| 2          | 1.5  | 141.3" - 176.3" | •                        | AGP200S1-3 RJ FSA | 410174-029  |
| 2          | 1.5  | 177.2" - 230.2" | •                        | AGP200S1-3 RJ FSA | 410174-030  |

Fixed length pumps may not be returned to stock.



To learn more, contact us at 888.561.7942 or visit [www.redjacket.com](http://www.redjacket.com)