



Submersible Turbine Pump Replacement Parts

There are a wide variety of FE Petro™ brand repair parts for both 4" and 6" submersible turbine pumps and controllers that can be used as replacement parts on competitive model submersible pumps. There are several replacement pump motor assemblies which are designed specifically to bolt on to existing Red-Jacket™ brand pumps. Special attention should be made when ordering these replacement pump motor assemblies to ensure the specific Red-Jacket™ replacement part is ordered as referenced below.

Ordering Information

4" Submersible Turbine Pump Replacement Parts

Use the cross-reference to assist you with placing orders when replacing competitive models.

FE Petro™ Model	Description	Red-Jacket™ Model
PMA 33	1/3 Hp pump motor assembly	UMP33U1 (852-198-5) & AGUMP33R1 (852-083-5)
PMA AG 33	1/3 Hp pump motor assembly, AG optioned for biofuels*	Only available from FE Petro™
PMA 75	3/4 Hp pump motor assembly	UMP75U1 (852-199-5) & AGUMP75S1 (852-084-5)
PMA AG 75	3/4 Hp pump motor assembly, AG optioned for biofuels*	Only available from FE Petro™
PMA 150	1 1/2 Hp pump motor assembly	UMP150U1 (852-200-5) & AGUMP150S1 (852-085-5)
PMA AG 150	1 1/2 Hp pump motor assembly, AG optioned for biofuels*	Only available from FE Petro™
PMA H 150	High PSI 1 1/2 Hp pump motor assembly	X3UMP150U1 (852-202-5) & X3AGUMP150S1 (852-128-5)
PMA AG H 150	High PSI 1 1/2 Hp pump motor assembly, AG optioned for biofuels*	Only available from FE Petro™
PMA 200	2 Hp pump motor assembly	Only available from FE Petro™
PMA AG 200	2 Hp pump motor assembly, AG optioned for biofuels*	Only available from FE Petro™
PMA M 200	MagShell™ 2 Hp pump motor assembly	Only available from FE Petro™
PMA AG M 200	MagShell™ 2 Hp pump motor assembly, AG optioned for biofuels*	Only available from FE Petro™
PMA H 200	High PSI 2 Hp pump motor assembly	UMP200U1-3 (852-221-5) & AGUMP200S1-3 (852-222-5)
PMA AG H 200	High PSI 2 Hp pump motor assembly, AG optioned for biofuels*	Only available from FE Petro™
PMA H M 200	MagShell™ high PSI 2 Hp pump motor assembly	Only available from FE Petro™
PMA AG H M 200	MagShell™ high PSI 2 Hp pump motor assembly, AG optioned for biofuels*	Only available from FE Petro™
PMA VS2	Variable speed 2 Hp pump motor assembly	Not interchangeable**
PMA AG VS2	Variable speed 2 Hp Pump Motor Assy, AG optioned for biofuels*	Only available from FE Petro™
PMA M VS2	MagShell™ variable speed 2 Hp pump motor assembly	Only available from FE Petro™
PMA AG M VS2	MagShell™ variable speed 2 Hp pump motor assembly, AG optioned for biofuels*	Only available from FE Petro™
PMA VS4	Variable speed 4 Hp pump motor assembly	Only available from FE Petro™
PMA AG VS4	Variable speed 4 Hp pump motor assembly, AG optioned for biofuels*	Only available from FE Petro™
PMA M VS4	MagShell™ variable speed 4 Hp pump motor assembly	Only available from FE Petro™
PMA AG M VS4	MagShell™ variable speed 4 Hp pump motor assembly, AG optioned for biofuels*	Only available from FE Petro™

*FE Petro™ models optioned with AG are UL listed for gasoline with up to 85% ethanol, diesel fuel with up to 20% biodiesel, and 100% biodiesel. Standard FE Petro™ models are UL listed for gasoline with up to 10% ethanol. All models can be used with diesel fuels, kerosene, Avgas, jet fuels, and 20% MTBE, 20% ETBE, or 17% TAME with gasoline.

**Red Jacket™ variable speed pumps can be updated to FE Petro™ variable frequency technology with conversion kits (includes Variable Speed 2 Hp Pump Motor Assembly & MagVFC™). Variable Speed conversion kits available with flow increasing MagShell™ innovation (expanded Pump Motor shell requires STP Riser = 4.5" OD x 0.188" WT).

Ordering Information continued

4" Submersible Turbine Pump Accessories Replacement Parts

Use the cross-reference to assist you with placing orders when replacing competitive models.

FE Perto™ Model	Description	Red-Jacket™ Model
STP-MLD	Mechanical leak detector, gas	FX1V, Gas (116-056-5)
STP-MLD-D	Mechanical leak detector, diesel	FX1DV, Diesel (116-058-5)
151213932	3-wire motor lead assembly (240" long)	410156-001 (204" long)
400170931	1/3 Hp & ¼ Hp fixed speed capacitor (15 uF)	410164-001 (17.5 uF)
400170931	1 ½ Hp fixed speed capacitor (15 uF)	Red Jacket™ requires 25 uF (410164-002)
400170934	2 Hp fixed speed capacitor (40 uF)	410164-003 (40 uF)
400660901	Pump motor intake filter screen (adds 1" to PMA)	144-194-5 (Trapper adds 3.25" to the length of the PMA)

6" High Capacity Submersible Turbine Pump Replacement Parts

Use the cross-reference to assist you with placing orders when replacing competitive models.

FE Perto™ Model	Description	Red-Jacket™ Model
RJ PMA 3	3 Hp pump motor assembly (208/230 V)	UMP300J4-2HB (882-842-5)
RJ PMA 5	5 Hp pump motor assembly (208/230 V)	UMP500J4-2K (882-211-5)
RJ PMA 5G	5 Hp pump motor assembly (575 V)	UMP500J6-2K (883-226-5)
RJ PMA 5H	5 Hp pump motor assembly (460 V)	Only available from FE Perto™
151593906	5-wire motor lead assembly (192" long)	213-069-5 (192" long)

Franklin Fueling Systems produces separate Pump Motor Assembly models for use with Red-Jacket™ Maxxum Big Flo Submersible Turbine Pumps from those used for FE Perto™ High Capacity STPs (remove "RJ" prefix for FE Perto™ only models).

Submersible Turbine Pump Controller Replacement Parts

Use the cross-reference to assist you with placing orders when replacing competitive models.

FE Perto™ Model	Description	Red-Jacket™ Model
MagVFC	Variable frequency controller (VS 2 Hp & VS 4 Hp)	Not interchangeable
STP-SCI*	Single phase smart controller (1/3 Hp thru 2 Hp, 110-250 Volt coil)	IQ Control Box (880-051-1, 120 Volt coil)
STP-DHI-SCI	Dispenser hook isolation factory wired with single phase smart controller	Only available from FE Perto™
STP-DHI	Dispenser hook isolation (120 Volt hook signal)	Isotrol 1-8 w/o relay (880-049-1)
STP-DHI-CBS	Dispenser hook isolation factory wired with single phase control box	Isotrol 1-8R w/relay (880-047-1)
STP-CBS	Single phase control box (1/3 Hp thru 2 Hp, 120 Volt coil)	880-041-5
STP-SCIII	Three phase smart controller (3 Hp & 5 Hp)	Only available from FE Perto™
STP-CB 3/5	Three phase starter box (adjustable overload)	410648-001 (requires three overload heaters, 115 Volt coil)

*FE Perto™ Single Phase Smart Controllers work with Red Jacket™ Pump Motor Assemblies that were produced with Franklin Electric motors and Faradyne™ motors (no software upgrade required).

FE PETRO®

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franklinfueling.com

3760 Marsh Rd. • Madison, WI 53718, USA
Tel: +1 608 838 8786 • Fax: +1 608 838 6433
Tel: USA & Canada +1 800 225 9787 • Tel: UK +44 (0) 1473 243300
Tel: Mex 001 800 738 7610 • Tel: FR +33 (0) 1 69 21 41 41 • Tel: CH +86 10 8565 4566

