



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 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 (240" long)
400170933	¾ Hp (1 Ph) fixed speed capacitor (15 uF, 440V)	410164-001 (17.5 uF)
400170933	1½ Hp (1 Ph) fixed speed capacitor (15 uF, 440V)	410164-002 (25 uF)
400170934	2 Hp (1 Ph) fixed speed capacitor (40 uF, 440V)	410164-003 (40 uF)
400660901	Pump motor intake filter screen (adds 1" to PMA)	144-194-5 (Trapper adds 3.25" to length of the PMA)

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, 200-250V supply (VS 2 Hp)	Not interchangeable
EcoVFC	Variable frequency controller, 380-415V supply (VS 2 Hp & VS 4 Hp)	Only available from FE Petro™
STP-SCI	Single phase smart controller, 120-240V coil (200-250V ¾ Hp thru 2 Hp)	IQ Control Box (880-052-1)
STP-DHIB-SCI	Dispenser hook isolation factory wired with single phase smart controller	Only available from FE Petro™
STP-DHIB	Dispenser hook isolation, 240V signal/supply	Isotrol 1-8 w/o relay (880-050-1)
STP-DHIB-CBBS	Dispenser hook isolation factory wired with single phase control box	Isotrol 1-8R w/relay (880-048-1)
STP-CBBS	Single phase control box, 240V coil (200-250V ¾ Hp thru 2 Hp)	880-042-5
STP-SCIIC	Three phase smart controller, 240V coil (380-415V ¾ Hp, 1½ Hp, 3 Hp, & 5 Hp)	Only available from FE Petro™
STP-CBB 3/5	Three phase starter box, 240V coil (adjustable overload, 380-415V ¾ Hp thru 5 Hp)	279-231-5 (requires three overload heaters)

* FE Petro™ 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).

Ordering Information continued

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 75B	¾ Hp pump motor assembly (200-250 V, 1 Ph)	UMP75U3-3 (852-204-5) & AGUMP75S3-3 (852-107-5)
PMA AG 75B	¾ Hp pump motor assembly (200-250 V, 1 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA 150B	1½ Hp pump motor assembly (200-250 V, 1 Ph)	UMP150U3-3 (852-205-5) & AGUMP150S3-3 (852-108-5)
PMA AG 150B	1½ Hp pump motor assembly (200-250 V, 1 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA H 150B	High PSI 1½ Hp pump motor assembly (200-250 V, 1 Ph)	X4UMP150U3 (852-153-5) & X4AGUMP150S3 (852-215-5)
PMA AG H 150B	High PSI 1½ Hp pump motor assembly (200-250 V, 1 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA 200B	2 Hp pump motor assembly (200-250 V, 1 Ph)	Only available from FE Petro™
PMA AG 200B	2 Hp pump motor assembly (200-250 V, 1 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA M 200B	MagShell™ 2 Hp pump motor assembly (200-250 V, 1 Ph)	Only available from FE Petro™
PMA AG M 200B	MagShell™ 2 Hp pump motor assembly (200-250 V, 1 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA H 200B	High PSI 2 Hp pump motor assembly (200-250 V, 1 Ph)	UMP200U3-4 (410184-005) & AGUMP200S3-4 (410184-001)
PMA AG H 200B	High PSI 2 Hp pump motor assembly (200-250 V, 1 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA H M 200B	MagShell™ high PSI 2 Hp pump motor assembly (200-250 V, 1 Ph)	Only available from FE Petro™
PMA AG H M 200B	MagShell™ high PSI 2 Hp pump motor assembly (200-250 V, 1 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA 75C	¾ Hp pump motor assembly (380-415 V, 3 Ph)	UMP75U17-3 (852-058-5) & AGUMP75S17-3 (852-145-5)
PMA AG 75C	¾ Hp pump motor assembly (380-415 V, 3 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA 150C	1½ Hp pump motor assembly (380-415 V, 3 Ph)	UMP150U17-3 (852-059-5) & AGUMP150S17-3 (852-146-5)
PMA AG 150C	1½ Hp pump motor assembly (380-415 V, 3 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA H 150C	High PSI 1½ Hp pump motor assembly (380-415 V, 3 Ph)	X4UMP150U17 (852-155-5) & X4AGUMP150S17 (852-217-5)
PMA AG H 150C	High PSI 1½ Hp pump motor assembly (380-415 V, 3 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA 200C	2 Hp pump motor assembly (380-415 V, 3 Ph)	Only available from FE Petro™
PMA AG 200C	2 Hp pump motor assembly (380-415 V, 3 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA M 200C	MagShell 2 Hp Pump Motor Assy (380-415 V, 3 Ph)	Only available from FE Petro™
PMA AG M 200C	MagShell 2 Hp Pump Motor Assy (380-415 V, 3 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA H 200C	High PSI 2 Hp Pump Motor Assy (380-415 V, 3 Ph)	UMP200U17-4 (410184-006) & AGUMP200S17-4 (410184-002)
PMA AG H 200C	High PSI 2 Hp Pump Motor Assy (380-415 V, 3 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA H M 200C	MagShell high PSI 2 Hp pump motor assembly (380-415 V, 3 Ph)	Only available from FE Petro™
PMA AG H M 200C	MagShell high PSI 2 Hp pump motor assembly (380-415 V, 3 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA VS2	Variable speed 2 Hp pump motor assembly (190V, 3 Ph)	Not interchangeable **
PMA AG VS2	Variable speed 2 Hp pump motor assembly (190V, 3 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA M VS2	MagShell™ variable speed 2 Hp pump motor assembly (190V, 3 Ph)	Only available from FE Petro™
PMA AG M VS2	MagShell™ variable speed 2 Hp pump motor assembly (190V, 3 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA VS4	Variable speed 4 Hp pump motor assembly (190V, 3 Ph)	Only available from FE Petro™
PMA AG VS4	Variable speed 4 Hp pump motor assembly (190V, 3 Ph), AG optioned for biofuels*	Only available from FE Petro™
PMA M VS4	MagShell™ variable speed 4 Hp pump motor assembly (190V, 3 Ph)	Only available from FE Petro™
PMA AG M VS4	MagShell™ variable speed 4 Hp pump motor assembly (190V, 3 Ph), 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, fuel oils, kerosene, Avgas, jet fuels, and 20% MTBE, 20%ETBE, or 17% ETBE 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

6" High Capacity 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
RJ PMA 3C	3 Hp pump motor assembly (380-415 V, 3 Ph)	UMP300J17-3HB (883-434-5)
RJ PMA 5C	5 Hp pump motor assembly (380-415 V, 3 Ph)	UMP500J17-3K (886-511-5)
151593906	5-wire motor lead assembly (192" long)	213-069-5 (192" long)

Note: 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 Petro™ high capacity STPs (remove "RJ" prefix for FE Petro™ only models).

FE PETRO®

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