

## Order Information

### 2 hp Fixed Speed Submersible Turbine Pump Model Designation System

A typical turbine model designation has up to five components to define the pump being supplied as follows:

#### STP XXXXX Y - A - B

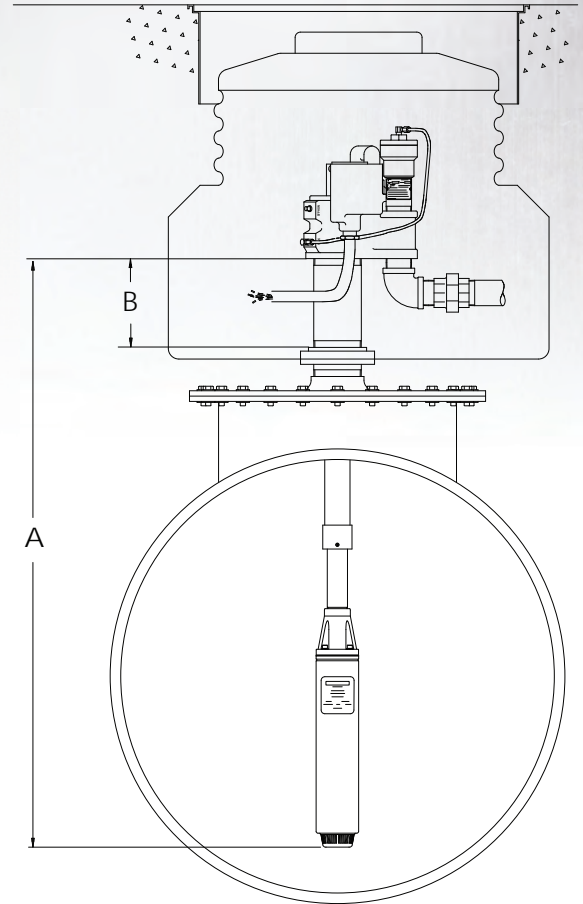
- STP = Basic Model Designation
- XXXXX = Factory Installed Options
  - STP model designations may include one or more of the following characters in alphabetical order:
  - AG = Alcohol-gasoline compatible (up to 85% ethanol, up to 20% biodiesel, or 100% biodiesel). Note: Standard models up to 10% ethanol capable.
  - F = Floating suction adapter (1½" NPT female adapter) H = High pressure (3.1 bar deadhead (no flow) output)
  - K = Intake filter screen (IFS, factory installed to PMA)
  - M = MagShell™ (flow enhancing, expanded PMA shell)
  - \*R = Model R check valve (1.65 bar relief/1.52 bar reset for PLLD)
  - \*W = Model W check valve (1.10 bar relief/ 0.89 bar reset for PPM4000)

*\*Note: If not otherwise specified, all STP models supplied with standard model check valve (2.76 bar relief/2.41 bar reset for MLD, TS-LS300 & TS-LS500).*

- Y = Pump Motor Horsepower Rating
  - 200B = 2 hp fixed speed, 50 hz, 1-phase
  - 200C = 2 hp fixed speed, 50 hz, 3-phase
- A = Model Length
  - VL1 = Variable length range #1.
  - VL2 = Variable length range #2.
  - VL3 = Variable length range #3.

*Note VL2 models fit 94% of all known installations.*

- B = Riser Pipe Length
  - Riser pipe length is expressed as two numeric characters that indicate the total length of the riser in inches. Riser pipes are available from 178mm to 1753mm in 25.4mm increments (additional charge for risers 787mm or l



#### Model Length (A)

STP Horsepower	Model Length Range	Model Length Designation
200B	1632mm-2374mm	VL1
	2420mm-3981mm	VL2
	3233mm-5575mm	VL3
200C	1575mm-2317mm	VL1
	2363mm-3924mm	VL2
	3175mm-5518mm	VL3

## Ordering Information continued

### Standard 2 Hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length Range Number	Model Length Range*
STP200B-VL1	2 hp fixed speed, single-phase	VL1	1632mm-2374mm
STP200B-VL2	2 hp fixed speed, single-phase	VL2	2420mm-3981mm
STP200B-VL3	2 hp fixed speed, single-phase	VL3	3233mm-5575mm
STP200C-VL1	2 hp fixed speed, three-phase	VL1	1575mm-2317mm
STP200C-VL2	2 hp fixed speed, three-phase	VL2	2363mm-3924mm
STP200C-VL3	2 hp fixed speed, three-phase	VL3	3175mm-5518mm

### Alcohol-Gas (AG) 2 Hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length Range Number	Model Length Range*
STPAG200B-VL1	2 hp AG fixed speed, single-phase	VL1	1632mm-2374mm
STPAG200B-VL2	2 hp AG fixed speed, single-phase	VL2	2420mm-3981mm
STPAG200B-VL3	2 hp AG fixed speed, single-phase	VL3	3233mm-5575mm
STPAG200C-VL1	2 hp AG fixed speed, three-phase	VL1	1575mm-2317mm
STPAG200C-VL2	2 hp AG fixed speed, three-phase	VL2	2363mm-3924mm
STPAG200C-VL3	2 hp AG fixed speed, three-phase	VL3	3175mm-5518mm

**Notes:**

1. STP models are compatible with fuel mixtures containing up to 10% ethanol with gasoline, diesel fuels, and 20% MTBE, 20% ETBE or 17% TAME with gasoline. STPAG models are compatible with fuel mixtures containing diesel fuel with up to 20% biodiesel, 100% biodiesel, up to 85% ethanol with gasoline, and 20% MTBE, 20% ETBE or 17% TAME with gasoline.
2. All models are supplied with a standard check valve unless factory option "R" or "W" is specified.
3. All 200B models require single-phase, 200-250 VAC, 50 Hz incoming power. All 200C models require three-phase, 380-415 VAC, 50 Hz incoming power
4. 4" riser pipe, if supplied locally, must be 4½" OD by 3/16" WT tubing.
5. For riser pipe lengths 787mm to 1753mm, additional charge applies.

\*Model length (A) defined as the dimension from turbine manifold bottom to pump motor inlet.

### Factory Installed Approvals

May specify one in model number at time of STP order.

Model	Description
(ATXF)	Submersible Turbine Pumps with ATEX Flameproof approval for EN markets
(RT)	Submersible Turbine Pumps with ROSTEST approval for Eastern European markets

**Notes:**

1. Note: If not otherwise specified, all models are supplied to UL approval as standard.
2. Consult Factory for other local approvals.

### Factory Installed Options

Specified in model number at time of STP order.

Model	Description
F	Floating suction adapter, 1½" NPT female, must be factory installed
H	High Pressure 3.1 bar deadhead output
K	IFS (intake filter screen) factory assembled to pump motor assembly
M	Magshell™ (flow enhancing, expanded PMA shell)
R	Model R check valve, factory installed, for Veeder Root™ PLLD Line Leak
W	Model W check valve, factory installed, for Red Jacket™ PPM4000 Line Leak

## Ordering Information continued

### Field Installed Options

2 Hp fixed speed specific accessories.

Model	Description
400137937	Syphon check valve, alcohol-gasoline compatible
5800100215	STP-SCI, single-phase smart controller
400818922	STP-CBBS, single-phase control box with lockout switch, 240 Volt coil
402312922	STP-DHIB-SCI, combo DHIB with factory wired to STP-SCI
402313922	STP-DHIB-CBBS, combo DHIB with factory wired STP-CBBS
402459931	Model 65 PSI (4.5 bar) relief check valve (for slave of manifolded STPs with Veeder Root™ PLLD)
402507930	Secondary syphon kit (when two syphon primes are required for one STP)
401220965	STP-CBB3C, three phase 380-415 VAC magnetic starter
5800300200	STP-DHIB, dispenser hook isolation for 240 Volt dispenser handle switches, up to eight each

# FE PETRO®

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