



(Advanced Protection STP shown with MLD+ and IFS, sold separately)

ADVANCED PROTECTION SUBMERSIBLE PUMPS

Available as a factory installed option on STPAG and IST biofuel compatible submersible turbine pumps, Advanced Protection defends STPs from accelerated corrosion caused by the acetic byproduct of microbial activity.

HIGHLIGHTS

- Powder-coated and E-coated finishes protect exterior cast surfaces from accelerated corrosion.
- Stainless steel fasteners, riser, variable length column pipe and coupler protect against corrosion and provide long service life.
- UL and cUL listed.

ORDERING INFORMATION

STP XXXXXY-A-B

STP = Basic Model Designation (IST for variable speed models)

XXXXX = Factory Installed Options (Model designations may include one or more of the following characters in alphabetical order.)

AP = Advanced protection with coated exterior cast surfaces, stainless steel fasteners and piping, alcohol-gasoline compatible)

F = Floating suction adapter (1 1/2" NPT female adapter)

H = High pressure deadhead output (150 and 200 models only)

K = Intake filter screen (IFS, factory installed to PMA)

M = MagShell™ (flow enhancing, expanded PMA shell, 200 & IST models only)

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)*

Y = Pump Motor Horsepower Rating

75B = 3/4 hp fixed speed, single phase

150B = 1 1/2 hp fixed speed, single phase

200B = 2 hp fixed speed, single phase

VS2 = 2 hp variable speed**

75C = 3/4 hp fixed speed, three phase

150C = 1 1/2 hp fixed speed, three phase

200C = 2 hp fixed speed, three phase

VS4 = 4 hp variable speed***

A = Model Length

VL1 = Variable length range #1

VL2 = Variable length range #2

VL3 = Variable length range #3

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 1524mm in 25.4mm increments (additional charge for risers 787mm or longer).

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

**Implied on IST models unless VS4 is specified.

*** IST models only.

ORDERING INFORMATION

Advanced Protection Submersible Turbine Pumps

Model	Description	Model Length Range*
ISTAPVS4-VL1	4 hp AP variable speed	1613mm - 2355mm
ISTAPVS4-VL2	4 hp AP variable speed	2401mm - 3962mm
ISTAPVS4-VL3	4 hp AP variable speed	3214mm - 5556mm
ISTAP-1	2 hp AP variable speed	1486mm - 2228mm
ISTAP-2	2 hp AP variable speed	2274mm - 3835mm
ISTAP-3	2 hp AP variable speed	3087mm - 5429mm
STPAP200B-VL1	2 hp AP fixed speed, single phase	1632mm - 2374mm
STPAP200B-VL2	2 hp AP fixed speed, single phase	2420mm - 3981mm
STPAP200B-VL3	2 hp AP fixed speed, single phase	3233mm - 5575mm
STPAP200C-VL1	2 hp AP fixed speed, three phase	1575mm - 2317mm
STPAP200C-VL2	2 hp AP fixed speed, three phase	2363mm - 3924mm
STPAP200C-VL3	2 hp AP fixed speed, three phase	3175mm - 5518mm
STPAP150B-VL1	1-1/2 hp AP fixed speed, single phase	1556mm - 2298mm
STPAP150B-VL2	1-1/2 hp AP fixed speed, single phase	2344mm - 3905mm
STPAP150B-VL3	1-1/2 hp AP fixed speed, single phase	3156mm - 5499mm
STPAP150C-VL1	1-1/2 hp AP fixed speed, three phase	1531mm - 2273mm
STPAP150C-VL2	1-1/2 hp AP fixed speed, three phase	2318mm - 3879mm
STPAP150C-VL3	1-1/2 hp AP fixed speed, three phase	3131mm - 5473mm
STPAP75B-VL1	3/4 hp AP fixed speed, single phase	1499mm - 2241mm
STPAP75B-VL2	3/4 hp AP fixed speed, single phase	2286mm - 3848mm
STPAP75B-VL3	3/4 hp AP fixed speed, single phase	3099mm - 5441mm
STPAP75C-VL1	3/4 hp AP fixed speed, three phase	1480mm - 2222mm
STPAP75C-VL2	3/4 hp AP fixed speed, three phase	2267mm - 3829mm
STPAP75C-VL3	3/4 hp AP fixed speed, three phase	3080mm - 5422mm

Notes:

1. STPAP/ISTAP models are listed for compatibility 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 above ISTAPVS4 4 hp models can only be powered by an EcoVFC™ with three-phase incoming power supply. All above ISTAP 2 hp models can be powered by a MagVFC with single-phase incoming power or an EcoVFC with three-phase incoming power.
4. All above STPAP single phase models (75B, 150B, 200B) require single-phase, 200-250 VAC, 50 Hz incoming power. All above STPAP three phase models (75C, 150C, 200C) require three-phase, 380-415 VAC, 50 Hz incoming power.
5. 4" riser pipe, if supplied locally, must be 4½" OD by 3/16" WT tubing.
6. For riser pipe lengths 787mm to 1524mm, adder charge applies.

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

Factory Installed Approvals

May specify one in model number at time of order.

Model	Description
(ATXF)	STP with ATEX flameproof approval for EN markets
(RT)	STP with ROSTEST approval for Eastern European markets

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

ORDERING INFORMATION

Factory Installed Options

Specified in the model number at time of order.

Model	Description
F	Floating suction adapter, 1½" NPT female, must be factory installed
H	High Pressure (3.1 bar deadhead output - 150 & 200 models only, adds up to 12mm to the Model Length)
K	IFS (intake filter screen) factory assembled to pump motor assembly
M	Magshell™ (flow enhancing, expanded PMA shell - 200 & IST models only)
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

Field Installed Options

Specified in the model number at time of order.

Model	Description
400137937	Syphon check valve
5874202800	MagVFC™, 200-250 VAC, 50-60 Hz, one required per ISTAP
5874202900	EcoVFC™, 380-415 VAC, 50 Hz, one required per ISTAP or ISTAPVS4
5800100215	STP-SCI, single-phase smart controller (one per 75B, 150B, or 200B models)
400818922	STP-CBBS, single-phase control box with lockout switch, 240 Volt coil (one per 75B, 150B, or 200B models)
402312922	STP-DHIB-SCI, combo DHIB with factory wired STP-SCI
402313922	STP-DHIB-CBBS, combo DHIB with factory wired STP-CBBS
402459931	Model 65 psi check valve (for slave of manifolded STPs with Veeder-Root™ PLLD)
402507930	Secondary syphon kit (when two syphon primes are required for one STPAP)
5800103300	STP-SCIIC, three-phase 380-415 VAC smart controller (one per 75C or 150C models)
401220965	STP-CBB3C, three-phase 380-415 VAC magnetic starter (one per 75C, 150C, or 200C models)
5800300200	STP-DHIB, dispenser hook isolation for 240 Volt dispenser handle switches, up to eight each

*When purchasing STP-SCI or STP-DHI-SCI in equal quantities of fixed speed 4" STPs, the STP-SCI or STP-DHI-SCI will be invoiced at special discount pricing.



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