

FPH-HP Pool Heater Components List

Note This kit is designed for heat pumps 3-5 tons. Contact us for straight-cooling models.

A FPH system kit includes the following:

1. (1) Titanium Heat Exchanger sized for your system
2. (1) FPH Wall Mount Control Unit
NEMA 3R outdoor enclosure w/digital temperature controls
3. (1) AC sensor relay
4. (1) PT100 temperature sensor (for pool temperature)
5. (1) FPH Heat Recovery Valve & coil
6. (1) FPH 2-valve assembly (includes 2 valves, 2 coils, 2 check valves, pre-assembled)

Not included:

- (1) Check valve supplied by AC technician, size depending on AC specs (~ \$25 each)
- (1) Fan relay (~\$20) (Ref. RIB2401D)
- (1) Wiring to connect controls to pool temperature sensor
- (1) Wiring to connect controls to AC unit
- (1) 2" PVC pipe and fittings/adaptor to connect FPH to pool pump (Lowes/Home Depot).
- (1) Materials such as copper tube, brazing material, electrical tape, PVC glue, wire channel etc.
- (1) Installation labor - estimated 6 hours for AC work, plus 1 to 1.5 hours for controls & power connections. AC-side installation must be made by a licensed HVAC technician after review of the system to make sure it is currently in proper working order and suitable for FPH installation. The FPH will not correct any AC problems that may currently exist.

- * Larger sized pool pumps will require an external contactor (est. cost \$60).
- * Variable speed pumps will need a relay for accepting external control signal, 24vac, ordered from your pump company if not already built-in to the pump controller.
- * Installer should perform volume calculation per installation manual. Systems with volume mismatch may require a receiver, not included.
- * If customer system does not have a thermostatic expansion valve, this should be added by the installer.
- * If customer system does not include compressor over- head/pressure safety switch, must be added by installer.

For salt or chlorine pools. Estimated installation times are for a normal installation and do not anticipate unusual conditions or problems. We don't try to estimate costs for PVC pool piping connection because every installation is different, can be as low as \$50 parts with labor provided by homeowner. The system is designed for a 220V standard pump. If you have a 120V pump or variable speed pump you must let us know when you order the system.

Shipping:

FPH3HP, FPH5HP can ship UPS. FPH5HPL ships on a pallet via trucking company.

Heat Pump Unit Size	Model	Min. GPM	Max BTU/h	Water Ports	Ti Coil In. ³	Ref. In/Out	H	W
1.5 to 2 Tons	NA	NA	NA	NA	NA	NA	NA	NA
2.5 to 3.5 Tons	FPH3HP	33	52500	1.5"	121	5/8-1/2	25"	8"
4 to 5 Tons	FPH5HP	45	75000	1.5"	234	5/8-1/2	29"	8"
3-5 Ton, Low Flow	FPH5LHP	25	78000	2"	68	5/8-5/8	16"	24"