# PORTACOOL JETSTREAM® & HURRICANE® OWNER'S MANUAL



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### **READ AND SAVE THESE INSTRUCTIONS**

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#### **DO NOT RETURN!**

For questions or comments, please call Portacool Customer Service at 936-598-5651.

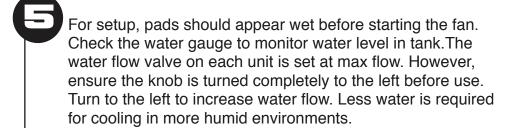
# QUICK SET UP

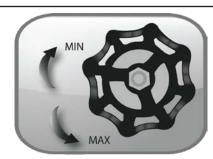






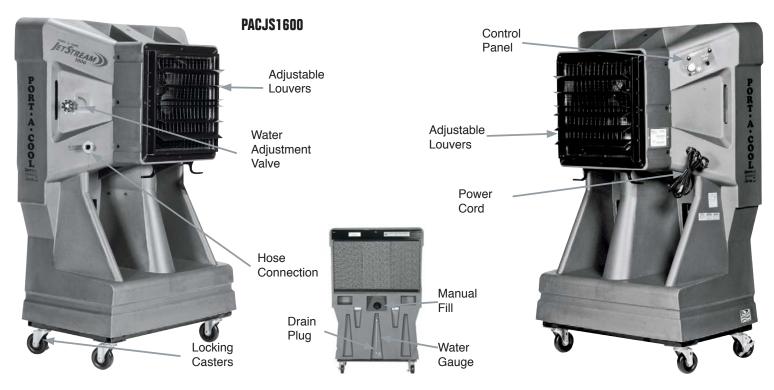






Fill the tank, then turn on the pump switch and the fan.

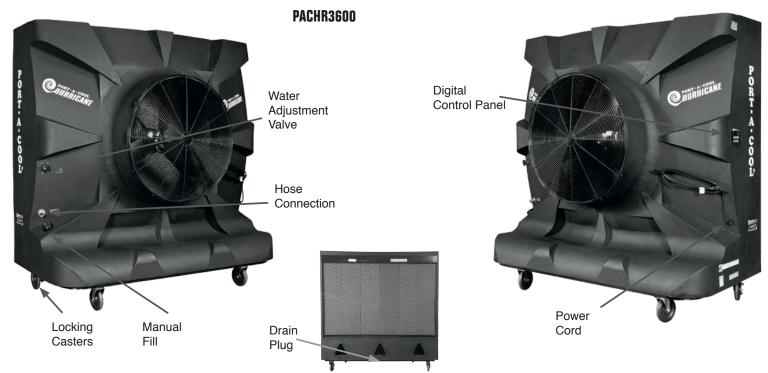
# JETSTREAM 1600 OVERVIEW



# **JETSTREAM 2400 OVERVIEW**



# **HURRICANE 3600 OVERVIEW**



# **SAFETY INFORMATION**

#### **OPERATION WARNINGS**

- 1) Not intended for use by children
- 2) Not intended for use by persons with reduced physical, sensory, or mental capabilities
- 3) Not intended for use by persons with lack of experience and knowledge, unless they have been given instruction and are supervised during operation
- 4) Children should be supervised to ensure they do not play with the evaporative cooler

#### SAFE OPERATION

#### To reduce the risk of electric shock, fire, or injury:

- Do not operate any product with a damaged cord or plug. Discard product or return to place of purchase for examination and/or repair.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area so it will not be tripped over.
- · Read instructions and labels carefully.
- · Always unplug the electric cord to the Portacool evaporative cooler before performing inspections or repairs.
- · Plug into three-prong grounded GFCI protected electrical receptacle only.
- · Do not step on or roll over power cord with heavy or sharp objects.
- Do not operate evaporative cooler unless all pads are securely in place.
- · Remove the plug from the electrical receptacle by pulling on the plug and not the cord.
- Test the GFCI receptacle or breaker monthly to ensure it is functioning properly.
- Do not operate near open containers of flammable liquids or gases.
- Ensure evaporative cooler pumps are running continuously to saturate and wet combustible media when used in close proximity to open flame or spark producing activities.

  A distance of at least 35 feet away from open flame or sparks is recommended to ensure safe operation.
- · Never wash the evaporative cooler cabinet with a garden hose; water may harm the motor and electrical system.
- If the product is damaged or malfunctions, do not continue to operate it. Refer to the warranty, troubleshooting or FAQ section, call Portacool, LLC, Technical Support at 1-888-266-5243, or email support@portacool.com.

# **GENERAL OPERATION**

#### **Electrical Connection**

#### PRODUCT MUST BE IN UPRIGHT POSITION WITH COOLING PADS INSTALLED!

All models utilize a single power cord and control switches. Before connecting the plug to an outlet, ensure there is no standing water where the cord may lie or where the operator is standing. The use of separate multiple outlet devices is not recommended. When making electrical connections, ensure compliance to local and national codes. Use only with GFCI Protected Receptacles. Please refer to the <u>Barcode Product Label</u> on the side of the product for specific electrical requirements.

#### **OPERATING PROCEDURES**

#### **Specifications**

Each Portacool evaporative cooler has its own set of operational specifications, sizes, weights, voltage frequency, current requirements, etc. Please ask for the specifications for your model from your distributor, check the serial number plate, or visit www.portacool.com for the specifications for your product.

#### Placement of the Portacool Evaporative Cooler

There are three primary considerations when deciding where to place the Portacool evaporative cooler.

- 1) Make sure there is a clear, unobstructed path to provide maximum airflow.
- 2) If the evaporative cooler is positioned on a raised platform, ensure the platform constructed for holding the product is stable, well constructed, and will not allow the product to tip over and that it allows for the full weight of the evaporative cooler including water in the tank. The product must be level and in the upright position.

3) If placed near a wall or other obstruction, position the product a minimum of 3 feet (0.9 meters) from the wall or obstruction with pads facing the wall. This allows the unrestricted flow of warm air to the cooling pad side of the product. When using multiple products in close proximity, be sure to aim the product so the air flows complement each other to achieve maximum cooling capacity.

#### Starting the Pump and Adjusting the Water Flow

Once the water tank is full, moving the pump switch to the "ON" position will turn on the pump. When initially turning on the pump, the level in the water tank will drop suddenly and restart the flow of supply water. This is a normal condition, as the cooling pads require a large amount of water for proper wetting.

When the Portacool evaporative cooler is new, the new pads will require an initial 'breaking-in' period. This period is required for the pads to begin readily absorbing water. It may require up to a week to achieve maximum efficiency.

It is important to ensure that the spray bar is properly adjusted when first starting the water flow in the Portacool evaporative cooler. Increasing the flow using the water flow valve (see Quick Setup on page 2) makes this adjustment. Proper water adjustment should leave the pads saturated with water, but not flooded. Pads should appear wet. However, cascading amounts of water can actually reduce cooling efficiency. Proper adjustment will prevent problems and increase cooling capacity. When properly adjusted, one or two dry streaks will appear across the pads.

When turning the evaporative cooler off at the end of the day or week, the pump should be turned off about 15 minutes before the fan to allow the cooling pads to dry. This will increase the life of the pads.

#### **Starting the Portacool Evaporative Cooler**

#### COOLING PADS MUST BE INSTALLED AND CASTER LOCKS MUST BE ENGAGED

Start the fan by turning the fan switch to the 'ON' position. Step slowly through the speeds allowing the fan to obtain its full speed at the LOW speed before going to HIGH.

# MAINTENANCE & STORAGE

#### **MAINTENANCE**

- 1) Keep the product clean to ensure peak operating performance.
- 2) The rugged, corrosion-resistant construction ensures low maintenance will be required. However, in dusty or dirty environments, optional filters are available from your distributor or at www.portacoolparts.com.

#### **Daily Maintenance**

The pump should be turned off approximately <u>15 minutes</u> before the fan is turned off. This will allow the cooling pads to dry out and extend their life. This also helps control the growth of mildew, mold, bacteria, and other odor-causing elements.

#### **Weekly Maintenance**

The product should be shut down and the water tank should be drained once a week. Closing the water flow valve and removing the drain plug will accomplish this. Once the water tank is drained and the power disconnected, the pads may be removed to allow cleaning of the water tank. Dust may collect in the water tank over time. Replace pads in correct airflow direction, referring to the label on the pads.

#### Storage

- 1) Drain all water from the water tank and wipe clean, ensuring the pads and water tank are completely dry.
- 2) Roll up the electrical power cord and secure it to ensure it will not be rolled over, tripped over, or caught in equipment.
- 3) Cover the product completely to prevent dust build-up and store in a dry area. This also helps to prevent damage to the pads. Optional dust covers are available from your distributor or at www.portacoolparts.com.

## TROUBLESHOOTING

The Portacool evaporative cooler consists of three systems — the fan system, the electrical system, and the water system. It is important to determine with which of the systems the problem is associated. Certain problems may be associated with more than one system. A careful check of all systems should be made to fully understand the extent of the problem.

CAUTION — DISCONNECT POWER BEFORE REMOVING COOLING PADS FROM THE PRODUCT!

NOTICE — POWER CORD MAY BE REPLACED ONLY BY THE MANUFACTURER OR QUALIFIED AGENT!

#### **Repair and Replacement Procedures**

Ensure all water is removed from the Portacool evaporative cooler and all power is disconnected. Remove all impediments to access the component you are checking or replacing.

#### REPLACING THE COOLING MEDIA PADS

The flap must be removed to allow access to the cooling pads. Start with the center pad, which can be tilted out from the top and lifted out of the drain trough. The two pads to either side of the center pad may then be removed in the same manner. To remove the two outside pads, they must first be pulled sideways toward the center of the Portacool evaporative cooler until they clear the side retainer before removing in the same manner as the other pads.

- 1) Locate the screw in the rear of the unit on the upper right side of the pad flap.
- 2) Remove screw and lower pad flap to vertical position.
- 3) Once the pad flap is moved, grasp the middle pad and tilt out at a 90 degree angle.
- 4) Pull the pad up to remove from unit. Repeat for other pads.

The following troubleshooting guide is intended to address the most common symptoms which may occur. If you are unable to resolve the issue, please call Technical Support. Turn off all power to the evaporative cooler before attempting to troubleshoot any of the following symptoms.

SYMPTOM	POSSIBLE CAUSES	REMEDY
Product fails to start or deliver air	No electrical power to product     A. Circuit breaker tripped     B. GFCI tripped     C. Cord(s) unplugged or damaged	1. Check power A. Reset breaker* B. Reset GFCI* C. Plug in cord(s) or replace if damaged * If condition persists, call electrician
	2. Motor overheated and/or frozen	2. Replace motor
Product starts but air delivery inadequate	1. Insufficient air exhaust 2. Insufficient water – pad not wet A. Cooling pads plugged B. Dry streaks on pads C. Large dry spots on pads D. Pump not working E. Loose water connections	1. Open windows or doors 2. Check water distribution system A. Clean or replace pads B. Check water level C. Make sure cooler is level, clean spray bar D. Clean or replace pump E. Check for leaks and correct
Water draining from cooler	Seat in float valve leaking     Drain bushing/cap not tight	1. Replace float valve 2. Tighten fitting and/or cap
Musty or unpleasant odor	Stale or stagnant water in sump     Pads mildewed or clogged     Pads not completely wet before cooler is turned on	Drain, flush and clean sump     Replace pads     Turn on pump before starting fan
Knocking, shaking, or rattling sounds	1. Loose parts 2. Fan blade rubbing shroud	Check and tighten where needed     Inspect and adjust, or replace
Water droplets in the discharge air stream	Too much water delivered to the cooling pads     Outdoor humidity level is too high or it is raining     Leaking hose	Make sure pads are properly positioned in the frames and product is level     Use cooler as a fan only (turn pump off) or discontinue use of product until outdoor humidity level drops.     Tighten connection or replace hose

# **TECHNICAL SUPPORT**

#### **TECHNICAL SUPPORT**

Technical support and service is available directly from your distributor or call Portacool, LLC Technical Support Hot Line at 888-266-5243 for the distributor nearest you. You may also contact the Support Hot Line for consultation on troubleshooting and parts replacement.

Please have serial number and model number of product available.

#### WARRANTY AND REPLACEMENT PARTS

#### **PORTACOOL® Evaporative Cooler Limited Warranty**

For one (1) year from date of purchase, Portacool, LLC (hereafter "Portacool") warrants any original component part or parts of its Portacool™ portable evaporative coolers (the "Equipment") that are found, upon examination by factory-authorized personnel, to be defective in material or workmanship, excepting, however, that the following component motors shall be warranted by Portacool for a period of three (3) years from the date of purchase: MOTOR-013-04, MOTOR-010-07, MOTOR-012-06, MOTOR-012-05 and MOTOR-034-01.

All transportation charges for shipment of the Equipment and/or its component parts that are submitted for replacement or repair under this warranty must be borne by the purchaser.

If the Equipment and/or its original component parts develop a defect covered by this limited warranty within the applicable time periods described above, the same will be repaired or replaced at Portacool's option. In the case of a breach of any implied or written warranty relating to the Equipment and/or its component parts, Portacool shall not be liable for any incidental or consequential damages, and the limits of liability against Portacool for any such breach shall not exceed the cost of replacement or repair of the Equipment.

This warranty is void if the Equipment and/or its component parts are found to have been misused, abused, repaired by or tampered with by unauthorized or unqualified personnel.

### RETURNS

#### Returned Merchandise Authorization (RMA) Procedures

All Portacool evaporative coolers, parts, or materials being returned to Portacool, LLC for warranty replacement or repair require an RMA (Return Merchandise Authorization) number.

Warranty parts can be replaced by:

- 1. The distributor can purchase the part with an RMA number and will only be charged for the cost of the part, not for the shipping. When the defective part is returned freight paid, the distributor's account will be credited for the cost of the part.
- 2. The defective part need to be returned to Portacool, LLC, labeled with the RMA number within 90 days of receipt of replacement parts.
- 3. The customer / distributor can call Tech Support to get an RMA number to send the defective part back to Portacool, LLC. Once the part is received by Portacool, a replacement part will be sent at no charge.

Information needed to get an RMA number:

- 1. The product serial number or manufacturer date code
- 2. The product model number (ex. PAC2K363S)
- 3. The part number or description of the part to be replaced

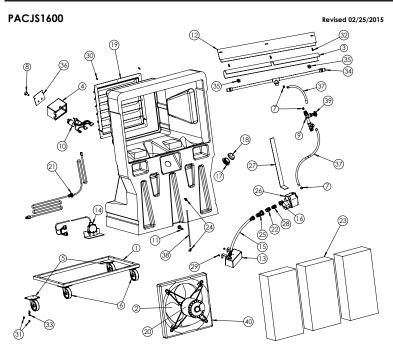
Only major component parts need an RMA number, i.e. fans, motors, pumps, and some plumbing parts. For replacement of small parts, the serial and model numbers are still required, but the parts do not need to be returned to Portacool, LLC.

For warranty replacement parts call Portacool® Technical Support at 1-888-266-5243. FAX: 936-598-1431.

Shipping Address Portacool, LLC 721 FM 2468 Center, Texas 75935 Mailing Address: Portacool, LLC P.O. Box 2167 Center, Texas 75935

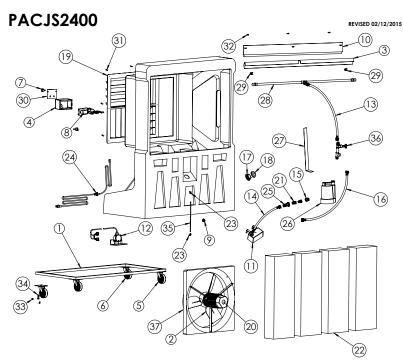
To expedite your request, please submit the RMA form found on our website at info.portacool.com/returnshold

# JETSTREAM 1600 PARTS



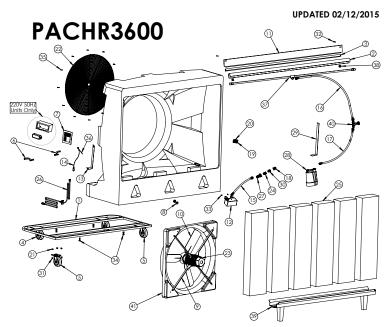
#	PART #	DESCRIPTION		#	PART #	DESCRIPTION
1	BASE-JS/VT	CASTER BASE ASSEMBLY FOR JS/VT		21	POWERCORD-03F	10FT POWER CORD W/DOME STRAIN RELIEF
2	BLADE-ASSM-08	JS 16" BLADE	П	22	PAC-PLB-01	INLET HOSE ADAPTER
3	BONNET-03	SPRAY BAR BONNET FOR 16" PAC	П	23	PAD6024/G	16" PAC REPLACEMENT PAD (3)
4	BOX-UL-06	VAR SPD ELECTRICAL BOX	П	24	POLY-FTG-06	90DEG FITTING FOR SIGHT TUBE
5	CASTERS-HD-4	4" HEAVY DUTY NON-LOCKING CASTER		25	PRES-REG-01	INLET WATER REGULATOR
6	CASTERS-HD-4L	4" HEAVY DUTY LOCKING CASTER	П	26	PUMP-0140-1	PUMP ASSEMBLY FOR 16" UNIT
7	CLAMP-01	1/2" WIRE SPRING CLAMP	П	27	PUMP-ACC-17	JS/VS PUMP BRACKET
8	CTRL-KNOB-02	KNOB 24"VAR SPD CONTROL	П	28	\$-004	FLOAT BOLT
9	CTRL-VLV-BRKT-1	CONTROL VALVE MOUNTING BRACKET	П	29	\$-006	12-14 BLACK TEC SCREW
10	CTRL-VS-02	VAR SPD SWITCH HARNESS	П	30	\$-007	5/16-18x3/4 TRUSS HEAD SCREW
11	DRAIN-PLUG-34	3/4" NPT PLUG		31	S-009	10-24 X 3/4" TRUSS HEAD SCREW
12	FLAP-16-01	FRONT FLAP FOR 16" JETSTREAM		32	S-017	5/16 - 18 X 1.5" TRUSS HEAD SCREW
13	FLOAT-02	FLOAT VALVE		33	SPRAY-07	SPRAY BAR FOR 16" PAC
14	FLOATSWITCH-01	WATER PUMP SHUT OFF SWITCH		34	SPRAY-ACC-04	CLAMP FASTENER FOR SPRAY BAR
15	HOSE-FM18	18"FLOAT HOSE		35	SWITCHPL-VSPD-T	SWITCH COVER PLATE
16	HOSE-FTG-05	SWIVEL HOSE FITTING		36	TUBE-01	SOFT PLASTIC TUBE
17	JS-ACC-01	2" THREADED FILLER CAP RING		37	TUBE-03	SIGHT TUBE
18	JS-ACC-02	2" THREADED FILLER CAP		38	VALVE-01	PUMP TO SPRAYBAR CONTROL VALVE
19	LOUVERS-JS	FRONT LOUVER FOR JS/VT UNITS		39	VENT16-INJ-01	VENTURI FOR 16" FAN
20	MOTOR-013-04	1/3HP VOSTERMAN MOTOR				

# **JETSTREAM 2400 PARTS**



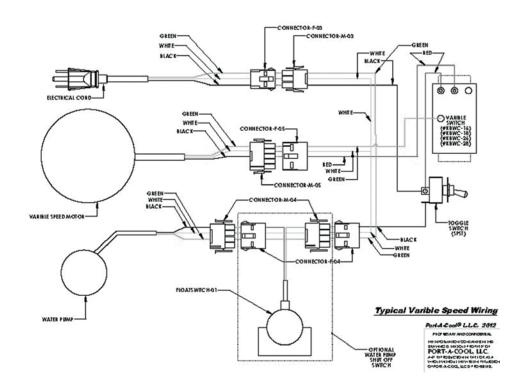
# PART # DESCRIPTION						
2         BLADE-ASSM-24         24" JS FAN BLADE         21         PAC-PLB-01         INLET HOSE ADAPTER           3         BONNET-02         SPRAY BAR BONNET FOR 24" PAC         22         PADG036/G         24" REPLACEMENT PAD           4         BOX-UL-06         VAR SPD ELECTRICAL BOX         23         POLY-FTG-06         900EG. FITTING FOR SITE TUBE           5         CASTERS-HD-4         4" HEAVY DUTY JS./VT CASTER         24         POWERCORD-03F         POWERCORD W./DOME STRAIN RELIEF           6         CASTERS-HD-4L         4" HEAVY DUTY JS./VT LOCKING CASTER         25         PRESS-REG-01         INLET WATER REGULATOR           7         CTRL-KNOB-02         KNOB FOR 24" VAR/SPD CONTROL         26         PUMP-D1G-4Z         PUMP 1/G HP           8         CTRL-VS-02         24" VAR/SPD SWITCH HARNESS ASSM         27         PUMP-ACC-18         JS./VT PUMP BRACKET           9         DRAIN-PLUG-34         1/4" NPT PLUG         28         SPRAY-04         SPRAY BAR FOR 24" PAC           10         FLAP-24-01         FLAP FOR 24" PAC         29         SPRAY-ACC-01         #12 NYLON CLIP           11         FLOAT-O2         FLOAT WAIVE BOX         30         SWITCHPL-VSPD-T         VAR SPD SWITCH COVER PLATE           12         FLOATSWITCH-01         WATER PUM	#	PART #	DESCRIPTION	#	PART #	DESCRIPTION
3   BONNET-Q2   SPRAY BAR BONNET FOR 24" PAC   22   PADGO3S/G   24" REPLACEMENT PAD	1	BASE-JS-24-1	CASTER BASE ASSEMBLY	20	MOTOR-012-06	24" HP MOTOR
4 BOX-UL-06 VAR SPD ELECTRICAL BOX 23 POLY-FTG-06 90DEG. FITTING FOR SITE TUBE  5 CASTERS-HD-4 4" HEAVY DUTY JS/VT CASTER 24 POWERCORD-03F POWERCORD W/DOME STRAIN RELIEF  6 CASTERS-HD-4L 4" HEAVY DUTY JS/VT LOCKING CASTER 25 PRESS-REG-01 INLET WATER REGULATOR  7 CTRL-KNOB-02 KNOB FOR 24" VAR/SPD CONTROL 26 PUMP-D1G-4Z PUMP 1/G HP  8 CTRL-VS-02 24" VAR/SPD SWITCH HARNESS ASSM 27 PUMP-ACC-18 JS/VT PUMP BRACKET  9 DRAIN-PLUG-34 1/4" NPT PLUG 28 SPRAY-04 SPRAY BAR FOR 24" PAC  10 FLAP-24-01 FLAP FOR 24" PAC 29 SPRAY-ACC-01 #12 NYLON CLIP  11 FLOAT-02 FLOAT VALVE BOX 30 SWITCH-PL-VSPD-T VAR SPD SWITCH COVER PLATE  12 FLOAT-SWITCH-01 WATER PUMP SHUT OFF SWITCH 31 S-006 #12 X 1 1/4" TEK SCREW  13 HOSE-F33 33" SINGLE FEM HOSE 32 S-009 10-24 X 3/4" TRUSS HEAD SCREW  14 HOSE-FM30 18" FLOAT HOSE 33 S-007 5/16" - 3/4" TRUSS HEAD SCREW  15 HOSE-FTG-05 FEM/FEM 3/4" X 3/4" BRASS SWIVEL 34 S-017 5/16" - 18 X 1.5" TRUSS HEAD SCREW  16 HOSE-F47 SINGLE FEM HOSE PLUMBING TO PUMP 35 TUBE-03 1/4" POLY SIGHT TUBE  17 JS-ACC-01 2" TREADED RING 36 VALVE-01 1/2" GATE VALVE  18 JS-ACC-02 2" TREADED CAP 37 VENTURI-24-02 24" VENTURI	2	BLADE-ASSM-24	24" JS FAN BLADE	21	PAC-PLB-01	INLET HOSE ADAPTER
5         CASTERS-HD-4         4" HEAVY DUTY JS/VT CASTER         24         POWERCORD-03F         POWERCORD W/DOME STRAIN RELIEF           6         CASTERS-HD-4L         4" HEAVY DUTY JS/VT LOCKING CASTER         25         PRESS-REG-01         INLET WATER REGULATOR           7         CTRL-KNOB-02         KNOB FOR 24" VAR/SPD CONTROL         26         PUMP-016-42         PUMP 1/G HP           8         CTRL-VS-02         24" VAR/SPD SWITCH HARNESS ASSM         27         PUMP-ACC-18         JS/VT PUMP BRACKET           9         DRAIN-PLUG-34         1/4" NPT PLUG         28         SPRAY-04         SPRAY BAR FOR 24" PAC           10         FLAP-24-01         FLAP FOR 24" PAC         29         SPRAY-ACC-01         #12 NYLON CLIP           11         FLOAT-02         FLOAT VALVE BOX         30         SWITCHPL-VSPD-T         VAR SPD SWITCH COVER PLATE           12         FLOATSWITCH-01         WATER PUMP SHUT OFF SWITCH         31         S-006         #12 X 1 1/4" TEX SCREW           13         HOSE-F33         33" SINGLE FEM HOSE         32         S-009         10-24 X 3/4" TRUSS HEAD SCREW           14         HOSE-FM30         18" FLOAT HOSE         33         S-007         5/16" -3/4" TRUSS HEAD SCREW           15         HOSE-FFG-05         FEM/FEM 3/4" X 3/4" B	3	BONNET-02	SPRAY BAR BONNET FOR 24" PAC	22	PAD6036/G	24" REPLACEMENT PAD
6         CASTERS-HD-4L         4" HEAVY DUTY JS/VT LOCKING CASTER         25         PRESS-REG-01         INLET WATER REGULATOR           7         CTRL-KNOB-02         KNOB FOR 24" VAR/SPD CONTROL         26         PUMP-016-4Z         PUMP 1/6 HP           8         CTRL-VS-02         24" VAR/SPD SWITCH HARNESS ASSM         27         PUMP-AGC-18         JS/VT PUMP BRACKET           9         DRAIN-PLUG-34         1/4" NOT PLUG         28         SPRAY-04         SPRAY BAR FOR 24" PAC           10         FLAP-24-01         FLAP FOR 24" PAC         29         SPRAY-ACC-01         #12 NYLON CLIP           11         FLOAT-02         FLOAT VALVE BOX         30         SWITCHPL-VSPD-T         VAR SPD SWITCH COVER PLATE           12         FLOATSWITCH-01         WATER PUMP SHUT OFF SWITCH         31         S-006         #12 X 1 1/4" TEK SCREW           13         HOSE-F33         33" SINGLE FEM HOSE         32         S-009         10-24 X 3/4" TRUSS HEAD SCREW           14         HOSE-FM30         18" FLOAT HOSE         33         S-007         5/16"-3/4" TRUSS HEAD SCREW           15         HOSE-FEG-05         FEM/FEM 3/4" X 3/4" BRASS SWIVEL         34         S-017         5/16"-18 X 1.5" TRUSS HEAD SCREW           16         HOSE-F47         SINGLE FEM HOSE PLUMBING	4	BOX-UL-06	VAR SPD ELECTRICAL BOX	23	POLY-FTG-06	90DEG. FITTING FOR SITE TUBE
7         CTRL-KN08-02         KN08 FOR 24" VAR/SPD CONTROL         26         PUMP-DIG-4Z         PUMP 1/G HP           8         CTRL-VS-02         24" VAR/SPD SWITCH HARNESS ASSM         27         PUMP-ACC-18         JS/VT PUMP BRACKET           9         DRAIN-PLUG-34         1/4" NPT PLUG         28         SPRAY-04         SPRAY BAR FOR 24" PAC           10         FLAP-24-01         FLAP FOR 24" PAC         29         SPRAY-ACC-01         #12 NYLON CLIP           11         FLOAT-02         FLOAT VALVE BOX         30         SWITCHPL-VSPD-T         VAR SPD SWITCH COVER PLATE           12         FLOATSWITCH-01         WATER PUMP SHUT OFF SWITCH         31         S-006         #12 X 1 1/4" TEK SCREW           13         HOSE-F33         33" SINGLE FEM HOSE         32         S-009         10-24 X 3/4" TRUSS HEAD SCREW           14         HOSE-FM30         18" FLOAT HOSE         33         S-007         5/16" -3/4" TRUSS HEAD SCREW           15         HOSE-FG-05         FEM/FEM 3/4" X 3/4" BRASS SWIVEL         34         S-017         5/16" -18 X 1.5" TRUSS HEAD SCREW           16         HOSE-F47         SINGLE FEM HOSE PLUMBING TO PUMP         35         TUBE-03         1/4" POLY SIGHT TUBE           17         JS-ACC-01         2" TREADED CAP         37<	5	CASTERS-HD-4	4" HEAVY DUTY JS/VT CASTER	24	POWERCORD-03F	POWERCORD W/DOME STRAIN RELIEF
8 CTRL-VS-02 24" VAR/SPD SWITCH HARNESS ASSM 27 PUMP-RCC-18 JS/VT PUMP BRACKET 9 DRAIN-PLUG-34 1/4" NPT PLUG 28 SPRAY-04 SPRAY BAR FOR 24" PAC 10 FLAP-24-01 FLAP FOR 24" PAC 29 SPRAY-ACC-01 #12 NYLON CLIP 11 FLOAT-02 FLOAT VALVE BOX 30 SWITCHPL-VSPD-T VAR SPD SWITCH COVER PLATE 12 FLOATSWITCH-01 WATER PUMP SHUT OFF SWITCH 31 S-006 #12 X 1 1/4" TEK SCREW 13 HOSE-F33 33" SINGLE FEM HOSE 32 S-009 10-24 X 3/4" TRUSS HEAD SCREW 14 HOSE-FM30 18" FLOAT HOSE 33 S-007 5/16" -3/4" TRUSS HEAD SCREW 15 HOSE-FG-05 FEM/FEM 3/4" X 3/4" BRASS SWIVEL 34 S-017 5/16" -18 X 1.5" TRUSS HEAD SCREW 16 HOSE-F47 SINGLE FEM HOSE PLUMBING TO PUMP 35 TUBE-03 1/4" POLY SIGHT TUBE 17 JS-ACC-01 2" TREADED RING 36 VALVE-01 1/2" GATE VALVE 18 JS-ACC-02 2" TREADED CAP 37 VENTURI-24-02 24" VENTURI	6	CASTERS-HD-4L	4" HEAVY DUTY JS/VT LOCKING CASTER	25	PRESS-REG-01	INLET WATER REGULATOR
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10   FLAP-24-01   FLAP FOR 24" PAC   29   SPRAY-ACC-01   #12 NYLON CLIP	8	CTRL-VS-02	24" VAR/SPD SWITCH HARNESS ASSM	27	PUMP-ACC-18	JS/VT PUMP BRACKET
11   FLOAT-02   FLOAT VALVE BOX   30   SWITCHPL-VSPD-T   VAR SPD SWITCH COVER PLATE	9	DRAIN-PLUG-34	1/4" NPT PLUG	28	SPRAY-04	SPRAY BAR FOR 24" PAC
12   FLDATSWITCH-01   WATER PUMP SHUT OFF SWITCH   31   S-006   #12 X 1 1/4" TEK SCREW   13   HOSE-F33   33" SINGLE FEM HOSE   32   S-009   10-24 X 3/4" TRUSS HEAD SCREW   14   HOSE-FM30   18" FLOAT HOSE   33   S-007   5/16" - 3/4" TRUSS HEAD SCREW   15   HOSE-F16-05   FEM/FEM 3/4" X 3/4" BRASS SWIVEL   34   S-017   5/16" - 18 X 1.5" TRUSS HEAD SCREW   16   HOSE-F47   SINGLE FEM HOSE PLUMBING TO PUMP   35   TUBE-03   1/4" POLY SIGHT TUBE   17   JS-ACC-01   2" TREADED RING   36   VALVE-01   1/2" GATE VALVE   18   JS-ACC-02   2" TREADED CAP   37   VENTURI-24-02   24" VENTURI	10	FLAP-24-01	FLAP FOR 24" PAC	29	SPRAY-ACC-01	#12 NYLON CLIP
13	11	FLOAT-02	FLOAT VALVE BOX	30	SWITCHPL-VSPD-T	VAR SPD SWITCH COVER PLATE
14   HOSE-FM30   18" FLOAT HOSE   33   S-007   5/16" - 3/4" TRUSS HEAD SCREW     15   HOSE-FG-05   FEM/FEM 3/4" X 3/4" BRASS SWIVEL   34   S-017   5/16" - 18 X 1.5" TRUSS HEAD SCREW     16   HOSE-F47   SINGLE FEM HOSE PLUMBING TO PUMP   35   TUBE-03   1/4" POLY SIGHT TUBE     17   JS-ACC-01   2" TREADED RING   36   VALVE-01   1/2" GATE VALVE     18   JS-ACC-02   2" TREADED CAP   37   VENTURI-24-02   24" VENTURI	12	FLOATSWITCH-01	WATER PUMP SHUT OFF SWITCH	31	S-006	#12 X 1 1/4" TEK SCREW
15   HOSE-FIG-05   FEM/FEM 3/4" X 3/4" BRASS SWIVEL   34   S-017   5/16" - 18 X 1.5" TRUSS HEAD SCREW   16   HOSE-F47   SINGLE FEM HOSE PLUMBING TO PUMP   35   TUBE-03   1/4" POLY SIGHT TUBE   17   JS-ACC-01   2" Treaded Ring   36   Valve-01   1/2" gate valve   18   JS-ACC-02   2" Treaded Cap   37   VENTURI-24-02   24" VENTURI	13	HOSE-F33	33" SINGLE FEM HOSE	32	S-009	10-24 X 3/4" TRUSS HEAD SCREW
16         HOSE-F47         SINGLE FEM HOSE PLUMBING TO PUMP         35         TUBE-03         1/4" POLY SIGHT TUBE           17         JS-ACC-01         2" TREADED RING         36         VALVE-01         1/2" GATE VALVE           18         JS-ACC-02         2" TREADED CAP         37         VENTURI-24-02         24" VENTURI	14	HOSE-FM30	18" FLOAT HOSE	33	S-007	5/16" - 3/4" TRUSS HEAD SCREW
17	15	HOSE-FTG-05	FEM/FEM 3/4" X 3/4" BRASS SWIVEL	34	S-017	5/16" - 18 X 1.5" TRUSS HEAD SCREW
18 JS-ACC-02 2" TREADED CAP 37 VENTURI-24-02 24" VENTURI	16	HOSE-F47	SINGLE FEM HOSE PLUMBING TO PUMP	35	TUBE-03	1/4" POLY SIGHT TUBE
	17	JS-ACC-01	2" TREADED RING	36	VALVE-01	1/2" GATE VALVE
19 LOUVERS-JS-24 LOUVER W/MESH FOR 24" JS/VT	18	JS-ACC-02	2" TREADED CAP	37	VENTURI-24-02	24" VENTURI
	19	LOUVERS-JS-24	LOUVER W/MESH FOR 24" JS/VT			

# **HURRICANE 3600 PARTS**



#	PART #	DESCRIPTION		#	PART #	DESCRIPTION
1	BASE-SD-36	CASTER BASE ASSEMBLY 36" (HURRICANE)	Г	22	MESH-PAC-34	36" SUPER-DUTY FAN GUARD SCREEN
2	BONNET-04	SPRAY BAR BONNET FOR 48" PAC	Γ	23	MOTOR-034-01	36" SD 3/4HP VAR SPD MOTOR (HESSAIRE)
3	BRACE-48-03	BONNET BRACE FOR 48" UNIT	Γ	24	PAC-PLB-01	BRASS INLET FITTING
4	CASTERS-HD-6	HD 6" SWIVEL CASTER		25	PAD6048/G	PAD FOR 36" PAC (6 per unit)
5	CASTERS-HD-6L	HD 6" LOCKING SWIVEL CASTER		26	POWERCORD-01F	16' ELECTRICAL CORD
6	CORD-WRAP-01	CORD WRAP (2EA)		27	PRES-REG-01	WATER PRESSURE REGULATER
7	CTRL-VS-12	ELECTRONIC TOUCH PAD CONTROL (UTEC)		28	PUMP-016-4Z	ZOELLER 1/4HP SUBMERSIBLE PUMP
8	DRAIN-PLUG-34	3/4" NPT PLUG	Г	29	PUMP-ACC-18	24" JETSTREAM PUMP BRACKET
9	FAN36HP-MNT-01	MOTOR SUPPORT ARM FOR 36HPVS	Г	30	PVC-ADP-01	3/4" X 1/2" REDUCING ADAPTER
10	FAN-ASSM-34	36" SD FAN 3 BLADE ASSEM.	Г	31	S-007	5/16-18 TRUSS HEAD SCREW
11	FLAP-48-01	FRONT FLAP FOR 48" PAC	Г	32	S-009	10-24 X 3/4" TRUSS HEAD SCREW
12	FLOAT-02	FLOAT VALVE	Г	33	S-015	1/4-20 X 3/8 MACHINE SCREW
13	FLOAT-ACC-18	FLOAT SWITCH MOUNTING BRACKET	Г	34	S-017	5/16-18 X 1.5" TRUSS HEAD SCREW
14	FLOAT-SWITCH-11	FLOAT SWITCH	Г	35	S-026	12-14 (1") TEK SCREW
15	HOSE-FF	FEM/FEM HOSE 24" LONG	Г	36	SENSOR-TEMP-11	TEMPERATURE SENSOR KIT
16	HOSE-F68	68" SINGLE FEMALE HOSE	Г	37	SPRAY-08	SPRAY BAR FOR 48" PAC
17	HOSE-F37	SINGLE FEMALE HOSE 37" LONG		38	SPRAY-ACC-04	CLAMP FASTENER 1029
18	HOSE-FTG-05	FEM/FEM 3/4" BRASS SWIVEL		39	TROUGH-03	PAD TROUGH FOR 48" PAC
19	JS-ACC-01	2" OD TREADED RING		40	VALVE-01	1/2" GATE VALVE
20	JS-ACC-02	2" THREADED CAP		41	VENTURI-36-01	36" FAN VENTURI
21	LOCKNUT-FNG-516	5/16-18 NYLON INSERT LOCKNUT				

# **WIRING DIAGRAM**



### FREQUENTLY ASKED QUESTIONS

#### Q. WHAT ASSEMBLY IS REQUIRED?

A. None. Portacool evaporative coolers are ready to use right out of the box.

#### Q. HOW DO I PREPARE MY PORTACOOL PRODUCT FOR STORAGE?

A. Drain the product, dry out the pads, cover the product, and store in a dry place.

### Q. I JUST RAN THE EVAPORATIVE COOLER FOR THE FIRST TIME AND THERE'S AN UNPLEASANT ODOR!

A. The pads, located in the back of your Portacool product, have never been wet before. The resin in the pads will emit an odor the first time you wet them that lasts approximately one to three weeks. Keep the product in an open area until the odor goes away or put a capful of laundry softener directly in the tank in the bottom of your product. After approximately two weeks of operation, the odor should disappear.

#### Q. MY PORTACOOL PRODUCT ISN'T PUTTING OUT ANY COOL AIR.

A. First, make sure the water source and electricity source are connected and working. Second, check to see if the pads are damp. If not, adjust the water flow with the water adjustment valve. Third, make sure there is water in the tank. It should be allowed to fill before you turn the pump on.

#### Q. WHAT IS THE BEST ENVIRONMENT TO PRODUCE THE MOST COOL AIR?

A. For optimum performance, the temperature should be 85° F or higher and the relative humidity should be below 75%. However, Portacool products will reduce the temperature in almost any environment, making it more pleasant.

#### Q. HOW OFTEN DO PADS HAVE TO BE REPLACED?

A. Depending on the quality of maintenance and frequency of use, pads typically last up to five years.

### Q. WHAT IS THE DIFFERENCE BETWEEN EVAPORATIVE COOLING AND MISTING SYSTEMS?

A. Misting units spray a shower of water into the air that will collect on people, objects, equipment, floors, etc. Portacool products use the process of evaporation to produce cooler air, but do not discharge a mist.

#### Q. WHERE CAN I BUY REPLACEMENT PARTS?

A. Replacement parts may be purchased from any Portacool product distributor or directly from Portacool Parts/Technical Support department. You may also visit www. portacoolparts.com to order online.

#### Q. WHAT IS THE AMOUNT OF MOISTURE PRODUCED?

A. An increase in humidity of approximately two to five percent is produced, depending on the temperature and humidity of the environment. This increase is not noticeable in a ventilated area where the air produced by the unit is exhausted.

#### Q. HOW LONG WILL THE WATER SUPPLY LAST IN THE TANK?

A. With no direct water source available, the water will evaporate in a filled water tank within two to 10 hours of operation, depending on the water capacity of the product, ambient conditions, temperature, and humidity. A water source for refilling the tank is recommended by the manufacturer.

#### Q. WHERE ARE THE MODEL AND SERIAL NUMBERS FOUND?

A. The model number can be found on a metal plate on the outside of the product. Model numbers begin with the letters "PAC." Serial numbers are all-digits.

#### Q. WHAT IF MY QUESTIONS AREN'T ANSWERED HERE?

A. Our Tech Support staff is available 8 a.m. to 5 p.m. Central Time, Monday though Friday at 1-888-COOL-AID or you can e-mail them at support@portacool.com.

# PORTACOOL

WHEN COMFORT COUNTS™

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TECHNICAL/PARTS CONTACT 1-936-598-5651 \* 1-888-COOLAID SUPPORT@PORTACOOL.COM

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