



# Supporting our Warfighters since 1991



## Portable, Powerful, Practical

**HOW TO PURCHASE:** Most of the items featured in this catalog are under contract with DLA Troop Support and can be purchased using MILSTRIP. Point of Contact is Nancy Thomas - [nancy.thomas@dla.mil](mailto:nancy.thomas@dla.mil)

# About Us



The Port-A-Cool, LLC offices and manufacturing facilities are located in Center, Texas. The 362,975 square foot facility houses the entire manufacturing plant for Port-A-Cool® portable evaporative cooling units, KÜÜL® pads cooling media, and rotational molded products.

Port-A-Cool® portable evaporative cooling units entered the marketplace in 1991 offering the first version of a unit designed to provide economical, effective cooling where ever it was needed. More than 20 years later, the company's consistent growth rate and continued expansion in product lines has positioned it as a global leader in the portable evaporative cooling business with distributors of Port-A-Cool, LLC products in 50 states and 56 countries.

Port-A-Cool, LLC selected Center, Texas for its location in the beginning, and has never considered moving. Nestled in the beautiful piney woods of East Texas — 150 miles southeast of Dallas, 120 miles northeast of Houston and 17 miles west of the Louisiana border — this small town still maintains the look, feel and



hospitality of the original community, while also enjoying modernization due in large part to the manufacturing and technological advances of companies like Port-A-Cool, LLC choosing Center as their location.

These portable evaporative cooling products have proven highly effective in virtually unlimited uses ranging from agricultural and horticultural applications, manufacturing, industrial, business, entertainment, sports, home and hobby — anywhere that cooling is needed, and traditional air conditioning is impractical or cost prohibitive.

With a strong network of distributors, Port-A-Cool, LLC continues to expand its worldwide market horizons and produce outstanding sales revenues, all from the beautiful setting of Center, Texas.

Watch us on



Search "Port-A-Cool"



Port-A-Cool® and KuulAire® portable evaporative cooling units and KÜÜL® pads evaporative cooling media are manufactured by Port-A-Cool, LLC • Member of the Walter Meier Group  
Call 936-598-5651 or visit us online at [www.port-a-cool.com](http://www.port-a-cool.com) • [www.kuulpads.com](http://www.kuulpads.com)

# Product Specifications



Part Numbers*	Descriptions	NSN Number	Cooling (s.f.)	CFM	AMPS	WATTS	Weight (lbs)	Dimensions H X W X D
<b>PREMIUM SERIES</b>								
PACHR3600	Hurricane 3600	TBD	3,500	14,500	11.4	14.5	270	76.5 x 74.5 x 35
PACJS2400	JetStream® 2400	TBD	2,000	7,500	9.2	1058	200	72 x 54.5 x 28
PACJS1600	JetStream® 1600	TBD	1,000	4,000	5.3	610	109	59 x 37 x 24.5
<b>PRO SERIES</b>								
PAC2K482S	48" Two-Speed	4120-01-481-6048	4,000	20,000	12.0	1576	345	86 x 74 x 36
PAC2K36HPVS	36" HP Variable Speed	4120-01-499-1010	2,650	10,100	11.0	1300	200	67 x 62 x 32
PAC2K36HPVS 220/50	36" HP Variable Speed	4120-01-499-3496	2,650	10,100	11.0	1300	200	67 x 62 x 32
PAC2K363S	36" Three-Speed	4120-01-393-3717	2,500	9,600	11.2	1323	205	67 x 62 x 32
PAC2K24HPVS	24" HP Variable Speed	4120-01-431-9353	1,800	6,700	8.8	1058	155	53 x 50 x 25
PAC2K24HPVS 220/50	24" HP Variable Speed	4120-01-449-0299	1,800	6,700	8.8	1058	155	53 x 50 x 25
PAC163SVT	16" Vertical Tank	4120-01-516-5237	900	3,900	5.1	587	130	59 x 37.5 x 23
PAC163SVT 220/50	16" Vertical Tank	4120-01-516-5236	900	3,900	5.1	587	130	59 x 37.5 x 23
<b>CLASSIC SERIES</b>								
PAC2K361S	36" Single-Speed	4120-01-381-1027	2,500	9,600	10.8	1426	195	67 x 62 x 32
PAC2K163SHD	16" Heavy Duty	4120-01-431-9285	900	3,900	4.3	495	70	30.5 x 37.5 x 22
<b>CYCLONE SERIES</b>								
PAC2KCYC01	Cyclone® 3000 Black	TBD	700	3,000	5.6	644	100	38 x 29 x 25
PAC2KCYC01A	Cyclone® 3000 Sienna	TBD	700	3,000	5.6	644	100	38 x 29 x 25
PACCYC02	Cyclone® 2000 Black	TBD	500	2,000	2.5	287	61	31 x 24 x 25
PACCYC02A	Cyclone® 2000 Sienna	TBD	500	2,000	2.5	287	61	31 x 24 x 25
<b>SPECIAL APPLICATION</b>								
PAC2K36HZ	36" Hazardous Location	4120-01-433-3409	2,500	9,600	13.4	N/A	300	67 x 62 x 32
PAC2K48HZ	48" Hazardous Location	4120-01-497-3032	4,000	20,000	18.0	N/A	400	86 x 74 x 36
PAC2K16AD	16" Air Driven Unit	4120-01-449-0337	600	2,200	73 SCFM	N/A	93	58 x 39 x 65
PAC2K24AD	24" Air Driven Unit	4120-01-449-0411	1,200	4,900	164 SCFM	N/A	128	73 x 49 x 72
PAC2K36AD	36" Air Driven Unit	4120-01-449-0417	2,300	9,100	196 SCFM	N/A	352	65 x 63 x 43

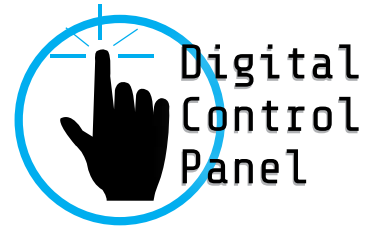
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**All Port-A-Cool® units are available for export in 220/50 and 220/60. Please call Port-A-Cool® Customer Service or see the Port-A-Cool® International Brochure for part numbers.**

## Port-A-Cool Hurricane® PACHR3600



- Low Water Shutoff
  - Timer
  - Temp Sensor
- Highest airflow of any 36" unit in the industry



SPECIFICATIONS	
Model Number	PACHR3600
Air Delivery	14,500 CFM
Speeds	Variable
Cooling Capacity	3,500 sq. ft.
Water Reservoir	67 gallons
Unit Dimensions (HxWxD)	76.5" x 74" x 35"
Unit Weight	270 lb.
NSN Number	TBD

## Port-A-Cool JetStream® 1600

PACJS1600



- Adjustable Louvers
- Easy-Rolling Casters
- Water Level Sight Tube and Sump Drain



### SPECIFICATIONS

Model Number	PACJS1600
Air Delivery	4,000 CFM
Speeds	Variable
Cooling Capacity	1,000 sq. ft.
Water Reservoir	42 gallons
Unit Dimensions [HxWxD]	59" x 37" x 24.5"
Unit Weight	109 lb.
NSN Number	TBD

## Port-A-Cool JetStream® 2400

PACJS2400



- Adjustable Louvers
- Easy-Rolling Casters
- Water Level Sight Tube and Sump Drain



### SPECIFICATIONS

Model Number	PACJS2400
Air Delivery	7,500 CFM
Speeds	Variable
Cooling Capacity	2,000 sq. ft.
Water Reservoir	48 gallons
Unit Dimensions [HxWxD]	72" x 54.5" x 28"
Unit Weight	200 lb.
NSN Number	TBD

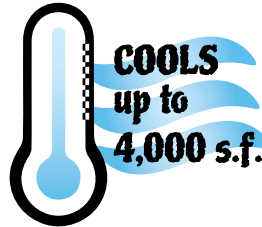


## Port-A-Cool 48"

PAC2K482S



- Low water shut-off
- Heavy-duty Casters
  - Cord Wrap
- Water Control Valve



SPECIFICATIONS	
Model Number	PAC2K482S
Air Delivery	11,000 / 20,000 CFM
Speeds	Two
Cooling Capacity	4,000 sq. ft.
Water Reservoir	40 gallons
Unit Dimensions (HxWxD)	86" x 74" x 36"
Unit Weight	345 lb.
NSN Number	4120-01-481-6048

## Port-A-Cool 36"

PAC2K36HPVS, PAC2K363S



SPECIFICATIONS		
Model Number	PAC2K36HPVS	PAC2K363S
Air Delivery	10,100 CFM	4,800 / 6,600 / 9,600
Speeds	Variable	Three
Cooling Capacity	up to 2,650 s.f.	up to 2,500 s.f.
Water Reservoir	32 gallons	32 gallons
Unit Dimensions	67" x 62" x 32"	67" x 62" x 32"
Unit Weight	200 lb.	205 lb.
NSN Number	4120-01-499-1010	4120-01-393-3717
NSN Number 220/50	4120-01-499-3496	

## Port-A-Cool 24"

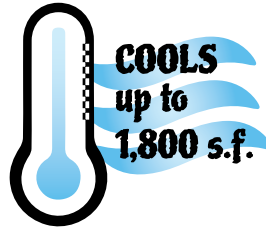
PAC2K24HPVS



### SPECIFICATIONS

Model Number	PAC2K24HPVS
Air Delivery	6,700 CFM
Speeds	Variable
Cooling Capacity	1,800 sq. ft.
Water Reservoir	14 gallons
Unit Dimensions (HxWxD)	53" x 50" x 25"
Unit Weight	155 lb.
NSN Number	4120-01-431-9353
NSN Number [220/50]	4120-01-449-0299

- 14 Gallon Water Capacity
- Energy-efficient Motor with Three-Year Warranty
- Water Control Valve

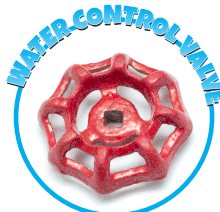


## Port-A-Cool 16" Vertical Tank

PAC163SVT



- 42 Gallon Water Capacity
- Water Level Sight Tube
- Cord Wrap



### SPECIFICATIONS

Model Number	PAC163SVT
Air Delivery	2,500/3,300/3,900 CFM
Speeds	Three
Cooling Capacity	900 sq. ft.
Water Reservoir	42 gallons
Unit Dimensions (HxWxD)	59" x 37.5" x 23"
Unit Weight	130 lb.
NSN Number	4120-01-516-5237
NSN Number [220/50]	4120-01-516-5236

## Port-A-Cool 36"

PAC2K361S



- 32 Gallon Water Capacity
- Cools up to 2,500 s.f.



SPECIFICATIONS	
Model Number	PAC2K361S
Air Delivery	9,600 CFM
Speeds	One
Cooling Capacity	up to 2,500 sq. ft.
Water Reservoir	32 gallons
Unit Dimensions (HxWxD)	67" x 62" x 32"
Unit Weight	195 lb.
NSN Number	4120-01-381-1027

## Port-A-Cool 16" Heavy Duty

PAC2K163SHD



SPECIFICATIONS	
Model Number	PAC2K163SHD
Air Delivery	2,500/3,300/3,900 CFM
Speeds	Three
Cooling Capacity	900 sq. ft.
Water Reservoir	3 gallons
Unit Dimensions (HxWxD)	30.5" x 37.5" x 22"
Unit Weight	70 lb.
NSN Number	4120-01-431-9285

- 3 Gallon Water Capacity
- Small size for tight spaces
- Water Control Valve

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## Port-A-Cool Cyclone® 2000

PACCYC02 (Black), PACCYC02A (Sienna)



### SPECIFICATIONS

<b>Model Number</b>	<b>PACCYC02</b>
<b>Air Delivery</b>	<b>1,600 / 2,000 CFM</b>
<b>Speeds</b>	<b>Two</b>
<b>Cooling Capacity</b>	<b>500 sq. ft.</b>
<b>Water Reservoir</b>	<b>10 gallons</b>
<b>Unit Dimensions (HxWxD)</b>	<b>31" x 24" x 25"</b>
<b>Unit Weight</b>	<b>61 lb.</b>
<b>NSN Number</b>	<b>TBD</b>

- Adjustable Louvers
- Centrifugal Fan — No Fan Blades!
- Small Footprint



## Port-A-Cool Cyclone® 3000

PAC2KCYC01 (Black), PACK2CYC01A (Sienna)



- Adjustable Louvers
- Centrifugal Fan — No Fan Blades!
- Small Footprint
- Available in Black or Sienna

### SPECIFICATIONS

<b>Model Number</b>	<b>PACCYC01</b>
<b>Air Delivery</b>	<b>2,400 / 3,000 CFM</b>
<b>Speeds</b>	<b>Two</b>
<b>Cooling Capacity</b>	<b>700 sq. ft.</b>
<b>Water Reservoir</b>	<b>16 gallons</b>
<b>Unit Dimensions (HxWxD)</b>	<b>38" x 29" x 25"</b>
<b>Unit Weight</b>	<b>100 lb.</b>
<b>NSN Number</b>	<b>TBD</b>

## INCREASE WORKER PRODUCTIVITY

Because high temperature environments can create the need for more breaks, using a Port-A-Cool® evaporative cooling unit can save your company money by providing a more pleasant and safer working environment. For example, if one 10 minute break is eliminated per day

from a 100 person workforce, the average company can save \$19,500 per year in lost production.\*\*

In addition, by lowering ambient temperature to meet OSHA requirements, workers are more effective, sharper and less likely to be involved in workplace accidents.\*

\* NASA report of the effect of heat stress on worker productivity

\*\* OSHA, Bureau of Labor Statistics



PAC2K48HZ

## HZ Units

Built to Class I, Div 1 Specs.

Switches, cords and motors are sealed.

SPECIFICATIONS		
Model Number	PAC2K36HZ	PAC2K48HZ
Air Delivery	9,600 CFM	20,000 CFM
Total Rated Amps	13.4 amps	18.0 amps
Cooling Capacity	up to 2,500 s.f.	up to 4,000 s.f.
Water Reservoir	32 gallons	40 gallons
Unit Dimensions (HxWxD)	67" x 62" x 32"	86" x 74" x 36"
Unit Weight	270 lb.	400 lbs.
NSN Number	4120-01-433-3409	4120-01-497-3032



PAC2K36HZ

## Pneumatic (Air-Driven) Units

Air-Driven units provide an effective system for special applications

SPECIFICATIONS			
Model Number	PAC2K16AD	PAC2K24AD	PAC2K36AD
Air Delivery CFM	2,200 CFM	4,900 CFM	9,100 CFM
Air Delivery m <sup>3</sup> /hr	3,737	8,325	15,460
NSN Number	4120-01-449-0337	4120-01-449-0411	4120-01-449-0417



PAC2K36AD

PAC2K24AD

PAC2K16AD

For more information, visit  
[www.port-a-cool.com/products.html](http://www.port-a-cool.com/products.html)

# Parts & Accessories



PAC-CVR-03



LOUVERS

## ACCESSORIES

### Vinyl Covers to protect when stored or not in use

Part Number	Description	NSN#
PAC-CVR-01	Cover for 36" & JS2400	4130-01-487-3141
PAC-CVR-02	Cover for Cyclone 3000 and 16"	4130-01-487-3142
PAC-CVR-03	Cover for 48" & HR3600 models	TBD
PAC-CVR-04	Cover for JS1600, VT, & 16FC	TBD
PAC-CVR-C2	Cover for Cyclone 2000	TBD
PAC-CVR-24	Cover for 24HP	TBD

### Louvers for more intense spot cooling

Part Number	Description	NSN#
LOUVER-KIT-16	Louver kit for 16" models	TBD
LOUVER-KIT-24	Louver kit for 24" models	TBD
LOUVER-KIT-36	Louver kit for 36" (except PACHR3600)	TBD
LOUVER-KIT-48	Louver kit for 48" models	TBD

### Cord Wrap when unit is stored or not in use

Part Number	Description	NSN#
CORD-WRAP-KIT	Cord wrap for all units	TBD

### Port-A-Filler tank for environments where a continuous water source is not available

Part Number	Description	NSN#
PAC-ACC-01	50 gal. portable water tank	4120-01-393-4296

### Filter Frames for more efficient cooling in environments with heavy particulates

Part Number	Description
PAC-FRAME	Complete Pkg. Includes frame and filter (Specify unit size when ordering)

### Replacement Filters for use with PAC-FRAME

Part Number	Description
PAC-FILTER	Replacement Pkg. Includes three filters (Specify unit size when ordering)

### MK-47 Water Treatment

Part Number	Description	NSN#
MK-47-CS	Carton of 6 bottles.	4130-01-487-3133
MK-47	Single bottle. Reduces mineral build-up in tank.	

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## REPLACEMENT PARTS

### Replacement Pump

PUMP-016-4R

Replacement pump for 24", 36", 48" and JetStream 2400 Units

### Pump Shutoff

FLOATSWITCH-KIT

Automatic shut off helps to prevent damage when water tank runs dry

### All Terrain Casters

CASTER-KIT-02

8" for 48", 36", 24" & 16" Vertical Tank and JetStream 1600 (4 per carton)  
NSN # 4120-01-487-3117

### Heavy Duty Casters

CASTER-KIT-04

4" Heavy Duty Polyolefin (4 per carton)

## KÜÜL® PADS REPLACEMENT MEDIA (CUSTOM SIZES AVAILABLE)

### Replacement Pads

Description	Dimensions (In.)			Pads per		NSN #
	H	W	D	Unit	Stock #	
48" Port-A-Cool® unit	60	12	6	6	PAD6060/G	4130-01-487-3109
36" Port-A-Cool Hurricane	48	12	6	6	PAD6048/G	4130-01-487-3110
36" Port-A-Cool® unit	48	12	6	5	PAD6048/G	4130-01-487-3110
24" Port-A-Cool® unit	36	12	6	4	PAD6036/G	4130-01-487-3111
16", JetStream, & VT	24	12	6	3	PAD6024/G	4130-01-487-3115
Port-A-Cool Cyclone 3000	22.5	26	6	set only	PAD6022.5/26	TBD
Port-A-Cool Cyclone 2000	19	22	6	set only	PAD6019/22	TBD



PUMP-016-4R



24" Unit Set



230V-60Hz  
units



on  
230V / 50 hz  
units

For help with parts and accessories,  
call 1-800-695-2942 • (936) 598-5651  
or visit us online at  
[www.port-a-coolparts.com](http://www.port-a-coolparts.com)



# Managing Heat Stress

Since the first Gulf War in 1990, members of the U.S. Military have had to learn to deal with the dangers of extreme heat. In spite of the heat, the military works around the clock, launching dozens of aircraft sorties day and night, and patrolling the streets and countryside of Iraq. Military personnel deal with heat stress every day.

Sustained high temperatures lead to heat stress conditions which lower performance levels, reduce morale and impair mental alertness, ultimately increasing the risk of accidents and compromising personnel readiness.

Severe and potentially life-threatening heatstroke can occur when the body's normal mechanisms for dealing with heat stress, such as sweating and temperature control, are lost. The main sign of heatstroke is a markedly elevated body temperature - generally greater than 104 F (40 C) - with changes in mental status ranging from personality changes to confusion and coma. Skin may be hot and dry - although if heatstroke is caused by exertion, the skin may be moist.

Authorities\* recommend spot cooling and rest periods in a cool area during physical exertion to avoid heat stress. Port-A-Cool® portable evaporative cooling units can lower the temperature of the ambient air up to 30 degrees F using just tap water and 115v of electricity. In addition, evaporative cooling fans combined with cool water applications to the skin, are also recommended to help alleviate symptoms in victims of heat stress until proper medical care can be performed. To calculate how often water intake and rest in a cool area are needed, see the chart below provided by the U.S. Army Center for Health Promotion.

\*Naval Medical Command report "Manual of Naval Preventative Medicine"; Womack Army Medical Center, Ft Bragg, NC, "Standard of Care for Management of Heat Casualties"; Department of The Army and Air Force, "Heat Stress Control and Casualty Management" Technical Bulletin.



## Work/Rest and Water Consumption Table

Applies to average sized, heat-acclimated soldier wearing BDU, hot weather. (See TB MED 507 for further guidance.)

Easy Work	Moderate Work	Hard Work
<ul style="list-style-type: none"> <li>• Weapon Maintenance</li> <li>• Walking Hard Surface at 2.5 mph, &lt; 30 lb Load</li> <li>• Marksmanship Training</li> <li>• Drill and Ceremony</li> <li>• Manual of Arms</li> </ul>	<ul style="list-style-type: none"> <li>• Walking Loose Sand at 2.5 mph, No Load</li> <li>• Walking Hard Surface at 3.5 mph, &lt; 40 lb Load</li> <li>• Calisthenics</li> <li>• Patrolling</li> <li>• Individual Movement Techniques, i.e., Low Crawl or High Crawl</li> <li>• Defensive Position Construction</li> </ul>	<ul style="list-style-type: none"> <li>• Walking Hard Surface at 3.5 mph, ≥ 40 lb Load</li> <li>• Walking Loose Sand at 2.5 mph with Load</li> <li>• Field Assaults</li> </ul>

Heat Category	WBGT Index, F°	Easy Work		Moderate Work		Hard Work	
		Work/Rest (min)	Water Intake (qt/hr)	Work/Rest (min)	Water Intake (qt/hr)	Work/Rest (min)	Water Intake (qt/hr)
1	78° - 81.9°	NL	½	NL	¾	40/20 min	¾
2 (GREEN)	82° - 84.9°	NL	½	50/10 min	¾	30/30 min	1
3 (YELLOW)	85° - 87.9°	NL	¾	40/20 min	¾	30/30 min	1
4 (RED)	88° - 89.9°	NL	¾	30/30 min	¾	20/40 min	1
5 (BLACK)	> 90°	50/10 min	1	20/40 min	1	10/50 min	1

- The work/rest times and fluid replacement volumes will sustain performance and hydration for at least 4 hrs of work in the specified heat category. Fluid needs can vary based on individual differences (± ¼ qt/hr) and exposure to full sun or full shade (± ¼ qt/hr).

- NL = no limit to work time per hr.

- Rest = minimal physical activity (sitting or standing) accomplished in shade if possible.

- **CAUTION: Hourly fluid intake should not exceed 1½ qts.**

- **Daily fluid intake should not exceed 12 qts.**

- If wearing body armor, add 5°F to WBGT index in humid climates.

- If doing Easy Work and wearing NBC (MOPP 4) clothing, add 10°F to WBGT index.

- If doing Moderate or Hard Work and wearing NBC (MOPP 4) clothing, add 20°F to WBGT index.

For additional copies, contact: U.S. Army Center for Health Promotion and Preventive Medicine Health Information Operations Division at (800) 222-9698 or CHPPM - Health Information Operations@apg.amedd.army.mil. For electronic versions, see <http://chppm-www.apgea.army.mil/heat>. Local reproduction is authorized. June 2004



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1-800-695-2942 or (936) 598-5651 or • [www.port-a-cool.com](http://www.port-a-cool.com)  
 Port-A-Cool® units and KÜÜL® pads evaporative cooling media are manufactured by Port-A-Cool, LLC • Center, Texas 75935  
 Member of the Walter Meier Group



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SCAN THE CODE