

Special Features

- Up to nine cushion firmness selections
- Adjustable cycle time settings from one to nine minutes
- Run time of longer than 40 continuous hours per battery charge
- Positive air ventilation during each cycle
- Ischial cells are Velcro attached for easy repositioning
- Bottom-out safety prevention

Three models to choose from

The power source for the controller dictates the model.

Battery Model – an internal battery powers the system for over 40 continuous hours of operation before charging is needed.

Powerchair Model – the system is powered from your 24-volt power wheelchair batteries.

Hybrid Model – powered from either the system's internal battery or the powerchair batteries with the flip of a switch.

Optional Accessories

Deluxe Remote Control – Airpulse PK system can be completely operated with this remote control which easily plugs into the controller. LCD display, power switch, firmness/cycle time control, low pressure and low battery alert. Moisture resistant, small (2.5" x 5"), mounts to chair with a Velcro strap.



Mini Remote Control – Smaller than the Deluxe Remote (1.5" x 2") with on/off function and visual low pressure alert system.

Moisture Control Unit – The MCU is an add-on unit that forces a high-volume of air between the cells of the cushion to keep skin dry and cool for very hot and humid climates.

Cushion Covers – Incontinence or extra covers may be purchased.

Warranty

A limited one year warranty is included with the purchase price of the Airpulse PK system and covers any manufacturer's defect to any part of the system. A 12-month warranty extension can be purchased.

Service Department

All our products are made in America at Aquila's facilities and are backed with a full-time service department that strives for same-day turnaround should any retrofitting or repair be needed.



Demo Program

Aquila offers a 15 day demo program so clients can experience the actual results of a custom built system before making a full purchase decision. Cost of the demo is \$250, which is applied to the cost if you decide at the end of the demo period to purchase. If you decide not to purchase, just send the custom built system back with no further obligation.

Product Availability

The Airpulse PK cushion system is available through most Durable Medical Equipment Dealers, or you can contact Aquila directly for assistance.

Military Veterans The Airpulse PK is on the Veteran's Administration GSA FSS government contract (#V797P-3200m). Contact your local VA facility for information.



Contact Us

Our customer service representatives are available to answer any questions you may have. Office hours are weekdays from 9 a.m. to 5 p.m. (CST).

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Be sure to visit our Web site to review the in-depth product information and evidence of success for yourself!

www.aquilacorp.com



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Revised 02-15-10

Airpulse PK is Patented

Airpulse PK™

The Powered Wheelchair Cushion System

A Dynamic Seating Solution to help heal and prevent pressure sores!



AQUILA CORPORATION
Seat Cushion Systems

Airpulse PK™

Designed to be the most advanced seating system to help heal and prevent pressure sores.

Compressed tissue from constant pressure must have relief on a regular basis to maintain proper blood flow. If blood flow is not adequate, the tissue can quickly be damaged and pressure sores will form. The patented Airpulse PK features alternate air cells that inflate and deflate automatically. This action changes pressure contact points and stimulates circulation to all areas of the posterior, and especially to the vulnerable bony ischial and sacral areas, so the primary cause of skin breakdown is eliminated.

The Airpulse PK was designed for those clients who are high-risk for developing pressure sores. This seating system has proven to be not just an effective preventative device, but also very effective for clients who have existing sores even if in stage III or IV. The Airpulse PK has them sitting sooner and longer, even while the sores continue to heal. Plus, every system is custom made to address each client's unique needs maximizing the potential for success.



Dynamic Operation

The Airpulse PK is the only dynamic cushion system that lets the user or caregiver control both the firmness and action of the cushion to meet their specific needs. As pressure relief needs change, the Airpulse PK can be quickly adjusted to meet those needs with the simple touch of a button.

The System

The Airpulse PK cushion system is preprogrammed and ready to operate when delivered. The system includes the cushion, cushion cover, controller with cover, charger (if applicable), and a one year warranty.

The Cushion

The cushion is made of soft but durable Neoprene (no latex) and has a series of air cells that are reinforced with internal air bladders to ensure long service life. The air cells are sculpted to fit the contour of the body for comfort and effectiveness. The 4-way stretch cushion cover with non-slip bottom is machine washable and dryable or an incontinence cover is available. Because every Airpulse PK is custom built, the cushion will be made to the exact size that works best for the client's needs.



The Controller

The control module of the Airpulse PK provides the mechanism to operate the cushion's unique air cell configurations. The controller contains the micro-processor, control panel, air pump and battery (if applicable). It is portable, quiet, weighs less than two pounds and the easy-mount cover can be fastened to the armrest, back, or other parts of the chair. Depending on model, the controller is powered either by an internal battery or directly from the powerchair batteries.



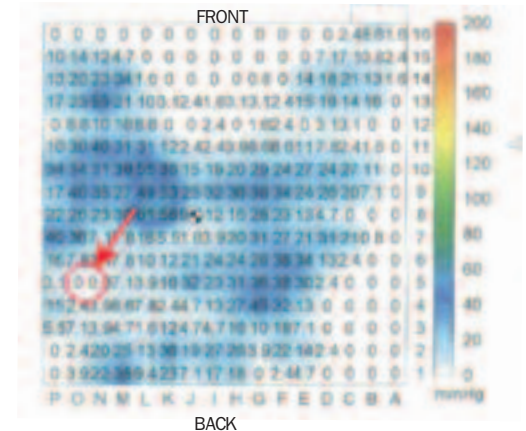
The controller gives the user or caregiver a wide range of firmness and cycle time settings, and adjustments can be made with the touch of a button—making it fully adjustable to adapt to the client's future needs. The two sets of air cells can even be set to completely different inflation/deflation cycle times to address different pressure relief needs for different posterior locations.

Every System is Custom Made

Every system we build is tailored to the specific needs of the individual client to ensure maximum product effectiveness. We have years of experience in designing the most appropriate systems for difficult seating situations. In addition to the type and size of chair, we gather information on the client, such as weight, pressure sore status, and any special situations such as compensating for pelvic lean, high level amputations, severe pelvic obliquities, or acute Stage IV sores. Then we program the controller and build the cushion for optimal effectiveness. The Airpulse PK has helped reduce recovery time for post flap surgery patients. Even with the customization process, new systems typically ship within 5 business days of receipt of order.

Customization Example

Below is a pressure map from a 200 lb., 60 year old male client sitting on an Airpulse PK. This client has a stage IV pressure sore on the left ischial. When custom making this cushion, the left ischial air cell was isolated such that it applies no upward pressure to the existing sore, allowing the client to sit even while the sore heals. Once the sore heals, the air cell can be integrated back into normal operation with the click of a fitting.



Safety Features

The Airpulse PK has a low pressure audible and visual alert system. Each air cell also has a built-in foam insert to guard against bottoming out in the unlikely event the cushion should become damaged and lose air. The cushion will not deflate if the control unit is turned off.