The VORTEC Advantage

- Eliminates incidence of worker heat stress or cold stress
- Maximizes worker productivity and comfort in extreme temperatures
- Eliminates the need to air condition large warehouse or shop areas
- Reduces frequency of non-productive cooling and warming breaks
- Provide continuous and consistent cooling or heating
- Improves worker safety
- Air is delivered at up to +/- 45-60°F from compressed air inlet
- Can be worn under other protective clothing
- Cooling only version has easy temperature adjustment, even with gloved hands
- All PAC models include adjustable waist belt and quick connect
- The Dual Action PAC can be easily switched from heating to cooling

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Keep Workers Comfortable & Productive in Extreme Temperatures:

Workers in extreme temperatures wear Personal Air Conditioning Vests to minimize heat stress, cold stress, and fatigue and to improve comfort and productivity. Cold (or Warm) air circulates through a Diffuse Air Vest to distribute cooling (or heating) to the wearer’s torso and neck. The air supplied to the vest achieves a temperature differential of 45 – 60°F from the inlet compressed air temperature.

Dual Action PAC

The newest addition to the Personal Air Conditioner line provides the wearer with the flexibility to benefit from Cold or Warm air relief for safety and comfort in any environment. With its unique belt bracket, the Dual Action PAC can be easily switched from cooling to heating mode to provide year-round comfort and protection.

- Can be easily configured to provide cold or hot air through the Diffuse Air Vest
- Air temperature can be slightly adjusted by changing the compressed air pressure

Cooling Only PAC

The PAC that started it all uses vortex tube technology to provide cold air relief and protection to workers in hot environments. Helps to minimize heat related injuries and allows the worker to be cool and productive while eliminating the need for costly, unproductive cooling breaks.

- Temperature adjustment knob provides easy temperature control, even with gloved hands
- Available in three different cooling capacities from 900 – 2500 BTU/hr

Personal Air Conditioning Vest Components

Vortec PAC Vests have two components:
- A Dual Action or Cooling Only tube, with belt
- A Diffuse Air Vest through which cold or hot air flows to the wearer’s torso and neck. It contains a perforated interior which allows for continuous cooled or heated flow throughout the vest.

- Dual Action or Cooling Only tube, with belt sized to fit vest size
- Impermeable to sweat, dirt and other contaminants and is easily cleaned
- Made of abrasion resistant, flame retardant material with a 300°F melting point

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**Operation of VORTEC PACs**

### Dual Action PAC

Pull out the Quick Release Pin in the swivel bracket and rotate in 90 degree increments as desired.

Rotate the body of the Dual Action PAC so that the compressed air quick connect nipple points in the desired direction. Switch the muffler as needed, see configurations below.

Cooling Mode Configuration. Muffler is placed on the hot end of the unit.

Heating Mode Configuration. Muffler is placed on the cold end of the unit.

### Cooling Only PAC

Adjust the flow rate of the Cooling Only PAC by turning the adjustment knob on the end of the PAC. Turning the knob counterclockwise reduces the temperature and flow of the cold air. Turning the knob clockwise will increase the temperature and flow of the cold air. **CAUTION:** The temperature adjustment knob may be hot: use gloves when adjusting.

### Specifications

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<th>Integrated PAC/Vest Model Number</th>
<th>Dual Action PAC Model Number</th>
<th>Vest Size</th>
<th>Cooling Capacity BTU/hr</th>
<th>Heating Capacity BTU/hr</th>
<th>Air Consumption SCFM</th>
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### Specifications (Cooling ONLY)

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