

PERSONAL AIR CONDITIONERS

Keep Workers Comfortable & Productive in Extreme Temperatures

Workers in extreme temperatures wear Personal Air Conditioners to minimize heat stress and fatigue and improve comfort and productivity. Cold (or Warm) Air circulates through a Diffuse Air Vest to distribute cooling (or heating) over the upper body.

- Vest can be worn under other protective clothing
- Easy temperature adjustment even with gloved hands
- Provides continuous, consistent air delivery
- Collar unfolds to deliver air to the neck & face
- Vest allows full range of motion with no airflow restrictions



Applications:

- Foundries
- Powder Coating
- Welding Operations
- Steel Mills
- Sand Blasting
- Asbestos Abatement
- Power Plants
- Mines
- Casting Shops
- Smelters
- Boiler Rooms
- Metal Production
- Paint Baking Operations
- Forging Shops
- Refrigerated Lockers
- Hazardous Waste Removal
- Unconditioned Warehouses

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How it Works

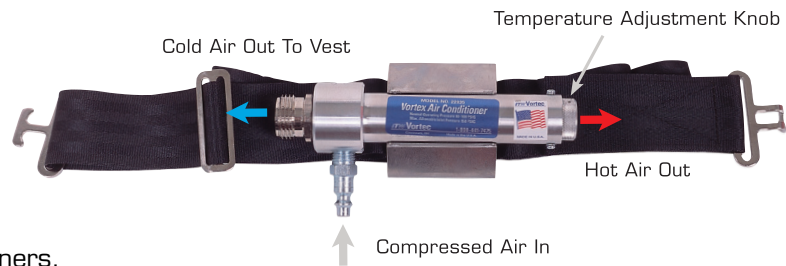
Personal Air Conditioners use filtered compressed air and vortex tube technology to generate cold air used for cooling.

Inside the Personal Air Conditioners, a Vortex tube spins the supplied compressed air, separating it into hot and cold air streams.

- For cooling applications, the cold air stream is delivered to the vest via a ducting tube, while hot air exits the side of the PAC unit.
- For versatility with heating and cooling applications, the model 220 uses hot and cold air from both ends of the vortex tube to create a fully adjustable heating or cooling option.

Temperature controlled air is distributed throughout the perforated lining of the diffuse air vest and collar.

Distributed Air Temperature Differential: +/- 60 deg F (33 deg C) from compressed air inlet temperature.



Item #	Description	Cooling Capacity	Compressed Air Consumption	
			@ 100 PSIG (SCFM)	@ 6.9 BAR (SLPM)
22815	Personal Air Conditioner Tube with Belt	900 Btu/hr	15 SFCM	425 SLPM
22825	Personal Air Conditioner Tube with Belt	1500 Btu/hr	25 SFCM	708 SLPM
22835	Personal Air Conditioner Tube with Belt	2500 Btu/hr	35 SFCM	991 SLPM
220	Hot/Cold Air Conditioner Tube with Belt	1500 Btu/hr	25 SFCM	708 SLPM
855	Large Diffuse Air Vest with unfolding lapels, fits 36" to 41" girth.			
857	X-Large Diffuse Air Vest with unfolding lapels, fits 41" to 46" girth.			
859	XXL Diffuse Air Vest with unfolding lapels, fits 46" to 52" girth.			
863	5" Extension for Diffuse Air Vest. Attaches to Vest with Velcro® tabs			

All PACs have 1/4" compressed air Quick Connect and 3/4" garden hose thread for discharge of air to vest.

