VORTEC

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INDUSTRY LEADING & EXPERTLY DESIGNED COMPRESSED AIR SOLUTIONS

Blow Off Solutions

Whether your application needs pin-point blow off, flat curtains of air for wide blow off, or adjustable air amplifiers for a variety of blow off needs, Vortec has the solution for you. Our line of blow off products includes: air nozzles, air jets, air amplifiers, and air knives. These products meet your various blow off needs while helping reduce compressed air consumption, meeting OSHA dead head standards, and reducing noise levels.

Cold Air Guns

Cold Air Guns use vortex tube technology and filtered compressed air to produce sub-freezing air as low as -30 deg F for numerous industrial spot cooling applications. With no moving parts to wear out, Cold Air Guns require no electricity at the target, just a compressed air source. Cold Air Guns are most often used for cooling of metal parts, in the machining and repair of metals, plastics, wood, ceramics and other materials.

Dual-Force Vac Drum Pump

The Dual Force Vac System is a convenient and versatile solution for liquid material handling and spill clean up. Using powerful Transvector technology, the Dual Force Vac Drum Pump can either fill or discharge a 55 gallon drum in under two minutes. It switches easily -- with a 1/4 turn of a knob -- from fill to discharge mode. The Dual Force Vac can handle viscous liquids and particulates. Quiet and safe, the Dual Force Vac is air-powered with no moving parts, meaning no motor burn out and no shock hazard.

Enclosure Coolers

Enclosure Coolers keep Electrical and Electronic Enclosures cool, clean and protected and are a low-cost alternative to expensive, high-maintenance air conditioners; and avoid contamination with dirty, humid air caused by fans. Vortex Enclosure Air Conditioning Coolers maintain a slight pressurization in the cabinet to keep electrical and electronic components clean and dry, and most are thermostatically controlled to maintain enclosure temperatures within a specified temperature range.

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Trust a manufacturer with 60+ years of experience developing and manufacturing the most advanced compressed air solutions.
Trust Vortec.

Hot Air Gun

Hot Air Guns are used where milder heat is needed as compared to an electric heat gun. It is ideal for pre-heating of parts, processes and solutions, with an output flow rate of 2-8 scfm; and is also widely used for softening adhesives, rubber and vinyl, and accelerating drying. The hot air gun requires no electricity at the target, and uses only filtered compressed air to generate fully adjustable temperatures up to 200 deg F.

Spray Nozzles

Vortec Spray Nozzles provide ultra-fine droplet-sized sprays for evaporative cooling, atomization, humidification and wetting. Superior to conventional hydraulic and piezoelectric nozzles, spray nozzles produce spray patterns that can be widely diffused or directed. The liquid stream is entrained by high velocity compressed air to create a range of micron-level spray droplets, resulting in greater surface coverage than conventional nozzles.

Thread Guard Needle Cooler

The Vortec Thread Guard was designed specifically for industrial sewing applications. It keeps needles cool to reduce heat-related needle breakage and thread burning. The air stream is especially effective on difficult sewing surfaces such as belt loops and waist bands; or on tough materials like denim or canvas. Cold air temperature and flow rate are preset to 10 deg F (-12 deg C) and 4 scfm (113 slpm).

Vortec Cooling Vest

Workers in extreme temperatures wear Vortec Cooling Vests (VCVs) to stay cool by minimizing heat stress and fatigue. The VCV's improve comfort and productivity. Vortec personal cooling vest systems have two components: a cooling tube that generates cold air to provide air flow to the worker and a perforated cooling vest through which the cold air flows to lower the worker's body temperature.

Vortex Tubes

Vortex tubes produce up to 6000 BTU/hr (1757 watts) of refrigeration and temperatures as low as -40 deg to solve a variety of industrial spot cooling and process cooling needs. With no moving parts, a vortex tube is highly reliable and inexpensive; and requires no electrical connection at the cooling site. Vortex tubes cool instantly, relying on compressed air spinning in the tube to separate the air into cold and hot air streams.

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