

Cold Air Guns

Pistole ad Aria Fredda

**Incredible spot cooling for
machining operations without mist
coolants**



**Cold Air Guns use filtered
compressed air (80-100 PSIG) and
vortex tube technology to produce
sub-zero air for industrial spot
cooling. Cold air machining
eliminates mist coolants and
heat-related parts growth while
improving tool life, parts tolerance
and surface finish quality.**

Applications

Cold Air Guns are used in various industrial processes, fabrication, assembly and packaging as a versatile spot cooling device. Most popular

applications involve cooling during the machining of metals, plastics, wood, rubber, ceramics and other materials. Cold Air Guns provide effective cooling for most dry machining operations, allowing increases in feed rates and extending tool life. With no moving parts to wear out, the internal vortex tube converts factory compressed air into a sub-zero air stream, producing temperatures down to as much as -30°F.

Features and Benefits

- Eliminates the mess, expense and safety concerns of using mist coolants
- Avoid secondary parts cleaning after machining
- Increases dry machining speed up to 36%
- Extends tool life up to 50%
- Lowpressure air output helps clear chips and dust
- Reduces grinding wheel loading caused by overheating
- Cools parts to reduce normalization time and hold tight part tolerances
- Uses only filtered compressed air - no Freon required (no CFCs/HCFCs)
- No EMI/RFI interference
- Produces cold air to 100°F below compressed air temperature
- Single turn adjustable temperature for your specific application

Exceptionally reliable - no moving parts - quiet operation
Magnetic base for easy installation and "machine-to-machine" portability
Five micron filters included with Cold Air Gun Systems
Meets OSHA noise and dead end pressure specifications

Uses

Widely used in milling, drilling, turning and other metalworking operations
Machining of plastics composites, wood and other materials
Surface grinding, drill and tool sharpening
CNC routers, blades and band saws
Spot cooling of parts, molds and assemblies
Industrial sewing and textiles
Setting hot melts and adhesives

Cold Air Gun Spot Cooling Systems

Incredible Spot Cooling for Machining Operations.

610: Adjustable Cold Air Gun System

Airflow: 15 scfm (420 l/min)

BSP: 1/4 " (6.4 mm.)



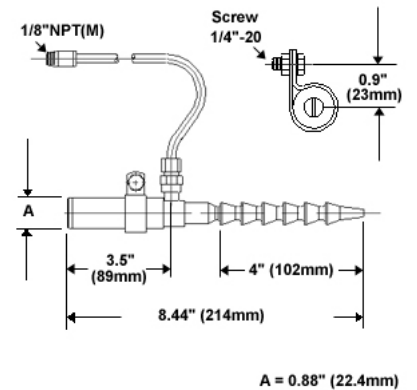
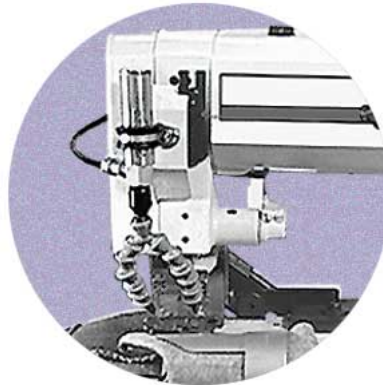
424: Sewing Machine Needle Cooler (59 Watts)

Power: 200 BTU/h (59 Watts, 50
kCal/h)

Test pressure: 100 psig (6.9 bars)

Airflow: 4 scfm (113 l/min)

BSP(F): 1/8 " (3.2 mm.)



Hot Air Gun Spot Heating Systems

Provide spot pre-heating for parts and processes.

609: Hot Air Gun System

BSP: 1/4 " (6.4 mm.)

