



Mini Cooler

An INTELLIGENT COMPRESSED AIR® Product

Mini Cooler™

Cool small parts and tools with clean, cold air!

Prevent burning, melting or breakage!

What Is The Mini Cooler?

A proven way to reduce downtime and increase productivity on a variety of operations involving small parts where heat is a problem. EXAIR's Mini Cooler produces a stream of 20°F (-7°C) cold air to prevent heat build-up. The Mini Cooler is particularly effective on high speed operations to prevent burning, melting and heat related breakage. Operation is quiet (76 dBA) and there are no moving parts to wear out.



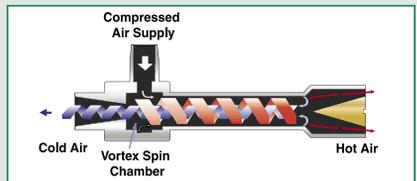
The Mini Cooler is an excellent spot cooler to prevent burning or breakage.

Mini Cooler Specifications

Air Consumption		Temperature Out		Sound @ 3' (914mm)	
SCFM	SLPM	°F	°C	dBA	INLET
8	227	20	-7	76	1/4 NPT

Supply air at 100 PSIG (6.9 BAR) & 70°F (21°C)

How The Mini Cooler Works



The Mini Cooler incorporates a vortex tube to convert a small amount of compressed air into two low pressure streams, one moving within the other in opposite directions (see page 173). The two airstreams exchange heat, producing cold air from one end of the tube and hot air from the other. A flexible hose directs the cold airstream at the surface to be cooled.

Applications

- Small tool cooling
- Needle cooling
- Blade cooling
- Lens grinding

Advantages

- Low cost
- Increases production rates
- Improves tolerances
- Quiet, compact

Mini Cooler Systems



Model 3808
Mini Cooler System
(one cold outlet)

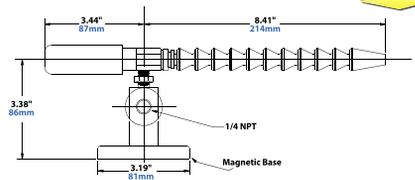
Includes Mini Cooler, Single Point Hose Kit, Swivel Magnetic Base and Manual Drain Filter Separator with Mounting Bracket.



Model 3308
Mini Cooler System
(two cold outlets)

includes Mini Cooler, Dual Point Hose Kit, Swivel Magnetic Base and Manual Drain Filter Separator with Mounting Bracket.

Dimensions



Vortex Tubes & Spot Cooling

Mini Cooler

Model #	Description
3808	Mini Cooler System (one cold outlet) includes the Mini Cooler, swivel magnetic base, mini single point hose kit and manual drain filter with mounting bracket
3308	Mini Cooler System (two cold outlets) includes the Mini Cooler, swivel magnetic base, mini dual point hose kit and manual drain filter with mounting bracket

Accessories

Model #	Description
5904	Mini Cooler Single Point Hose Kit (Included with 3808)
5905	Mini Cooler Dual Point Hose Kit (Included with 3308)
9003	Manual Drain Filter Separator, 1/4 NPT (Included with 3808 and 3308)
9012	Manual Shut-off Valve, 1/4 NPT
9027	Oil Removal Filter, 1/4 NPT, 24 SCFM (680 SLPM)