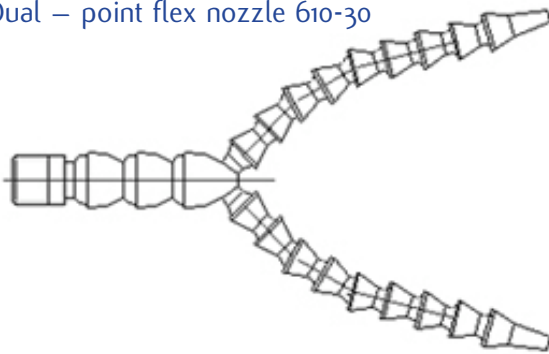


Cooling Gun 610



Dual – point flex nozzle 610-30



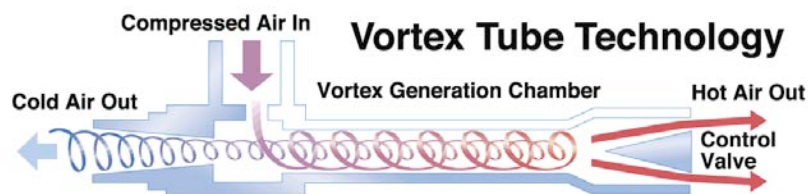
Features & Benefits

- Reduces grinding wheel loading caused by overheating
- Exceptionally reliable - no moving parts
- Produces cold air to 100°F (55.6°C) below the inlet air temperature
- Quiet operation - meets OSHA noise specifications
- Uses only filtered compressed air
- No refrigerants - no EMI/RFI interference
- Low pressure air output helps clear chips and dust

Options include

- Frost Free Nozzle Upgrade 611-FNU. Guards against the effects of high humidity
- Dual-point flex nozzle 610-30

How Cold Air Guns Generate Frigid Air



A vortex tube spins compressed air to produce hot and cold air streams, generating temperatures down to 100°F below inlet temperature

Fluid (air) that rotates around an axis (like a tornado) is called a vortex. A Vortex Tube creates cold air and hot air by forcing compressed air through a generation chamber, which spins the air at a high rate of speed (1,000,000 RPM) into a vortex. The high-speed air heats up as it spins along the inner walls of the Tube toward the control valve. A percentage of the hot, high speed air is permitted to exit at the valve. The remainder of the (now slower) air stream is forced to counterflow up through the center of the high-speed air stream in a second vortex. The slower moving air gives up energy in the form of heat and becomes cooled as it spins up the tube. The chilled air passes through the center of the generation chamber finally exiting through the opposite end as extremely cold air. Vortex tubes generate temperatures down to 100°F below inlet air temperature. The control valve located in the hot exhaust end can be used to adjust the temperature drop and rise for all Vortex Tubes.

Order form

Date

Customer Order Number

Please Fax your order to 01484 600570

Cooling Gun 610

Company: _____

Contact Name: _____

Address: _____

_____ Postcode: _____ Country: _____

Tel: _____ Fax: _____ Email: _____

**PRODUCT
CODE**

DESCRIPTION

**PACK
SIZE**

**QUANTITY
REQUIRED**

C160	Vortec Adjustable Cold Air Gun, magnetic base with filter. 610	1	
C161	Frost-Free Nozzle Upgrade, 611-FNU	1	
C162	Dual-Point Flex Nozzle 610-30	1	

Customers Special Instructions