



## SPECIFICATIONS

Product Description: **AIR TEMPERATURE CONTROLLER**  
Part Number: **4000-01**  
Style: **VORTEX, COOLER**

### GENERAL DESCRIPTION:

Vortex tubes are an effective, low cost solution to respiratory cooling needs. With no moving parts, a vortex tube spins compressed air to separate the air into cold and hot streams by forcing the compressed air through a generation chamber which spins the air centrifugally along the inner walls at a high rate of speed toward the control valve. The air temperature controller adjusts the amount of air to the helmet and adjusts air temp 25°F (-3.8 C) cooler than the ambient air for use in hot environments.

### AIR QUALITY:

The respirator's air source must be supplied at all times with clean breathable air, Grade D or better as defined by the Compressed Gas Association. (Commodity Specification G-7.1)

### CONSTRUCTION:

Body: Plastic  
Fitting: ¼" (.63 cm) Quick-connect (Rectus style) stainless steel  
Belt: Nylon  
PSI Range: 55-82 psi  
Weight: 1.3 lbs (.58 Kg)  
Color: Blue body with black control valve

### BENEFITS:

- Lightweight for better comfort
- Provides continuous cool air delivery
- No moving parts
- Easy to adjust control valve, even with gloved hands
- Will cool compressed air by 25° F (-3.8 C)
- Belt adjust to fit up to 50" (127 cm) waist

### NIOSH APPROVAL:

NIOSH approved to supply a continuous flow of cool compressed air to the Nova 2000 supplied air respirator (approval number TC-19C-363)

**(USE ONLY NIOSH APPROVED AIRLINE HOSE)**

