

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 always be supplied with clean breathable air, Grade D or better as defined by the Compressed Gas Association. (Commodity Specification G-7.1)

CONSTRUCTION:

Body: Plastic
Fitting: 1/4" (0.63 cm) Quick-connect (Rectus style) stainless steel
Belt: Nylon
PSI Range: 55-82 psi
Weight: 1.3 lbs. (0.58 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)