

Models

KV-99NR, 99-4X, KV-99AA25, & KV-99AA50

Manual No. KV004
(Rev 1 July 1999)



Operating Manual

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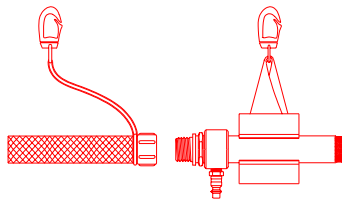
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OPERATING INSTRUCTIONS WITH VORTEX ASSEMBLY

The inlet on the vortex is supplied with 1/4" industrial interchange plug. An air supply with a minimum flow capacity of 15 cfm @ 80-120 psi must be supplied to the vortex. This will assure adequate supply for the vortex cooling unit.

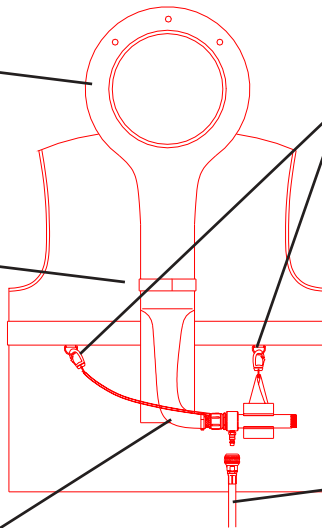
STEP 1 Attach airline assembly to vortex tube.



Head cooling ring slides over head.

Velcro strap for flow adjustment to head cooling ring.

STEP 2 Slide 3/4" hose into inlet sleeve on Kool Vest™ and secure snapper clamp around sleeve and hose.

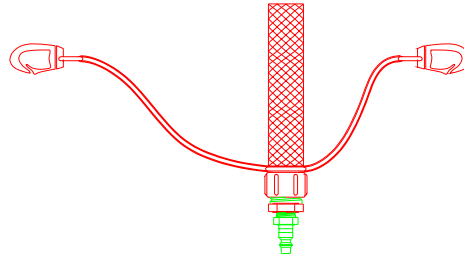


STEP 3 Attach support straps to Kool Vest™ as shown.

STEP 3 Attach compressed air source to the quick disconnect fitting on the vortex tube. Adjust the vortex tube to the desired amount of cooling by adjusting the knurled base ring. Counterclockwise rotation provides more body cooling while clockwise provides less cooling.

Note: The compressed air supply should be filtered (5 micron minimum) to remove water and dirt. If oil is present in the compressed air supply, remove the oil using a 0.01 micron (minimum) air filter. Contact Air Systems for assistance if an airline filter is required.

OPERATING INSTRUCTIONS WITH AIRLINE ADAPTER (MODELS KV-99AA25 & KV-99AA50)



Head cooling ring slides over head.

Velcro strap for flow adjustment to head cooling ring.

STEP 1 Slide 3/4" hose into inlet sleeve on Kool Vest™ and secure snapper clamp around sleeve and hose.

STEP 2 Attach support straps to Kool Vest™ as shown.

STEP 3 Attach compressed air source to the quick disconnect fitting on the adapter and adjust pressure between 5 - 35psi maximum.

Note: *The compressed air supply should be filtered (5 micron minimum) to remove water and dirt. If oil is present in the compressed air supply, remove the oil using a 0.01 micron (minimum) air filter. Contact Air Systems for assistance if an airline filter is required.*

ORDERING INFORMATION

KV-99NR - Replacement vest

99-4X - Vortex tube with straps, inlet tube and clamp

PF-240 - High Capacity Airline filter with stand and auto drain

KV-99AA25 - Airline adapter with 1/4" Hansen plug

KV-99AA50 - Airline adapter with 1/2" Hansen plug

Warranty Disclaimer

Air Systems' manufactured equipment is warranted to the original user against defects in workmanship or materials under normal use for one year after date of purchase. Any part which is determined by Air Systems to be defective in material or workmanship will be, as the exclusive remedy, repaired or replaced at Air Systems' option. This warranty does not apply to electrical systems or electronic components. Electrical parts are warranted, to the original user, for 90 days from the date of sale. During the warranty period, electrical components will be repaired or replaced at Air Systems' option.

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Air leaks are not covered under warranty except when they result from a defective system component, i.e. an on/off valve or regulator or upon initial delivery due to poor workmanship. Air leaks due to poor delivery or damage will be covered under delivery claims. Minor air leaks are part of routine service and maintenance and are the responsibility of the customer just as are filters and oil changes.