

# Tube Heater Parts Instruction Sheet

## AK-T4 Agricultural Air Intake Kit Installation

**NOTE:** Outside combustion air is recommended in dirty or harsh environments.

**NOTE:** Proper air intake is vital for efficient operation and product longevity.

### Models Affected

RVA2, AG1, AG2 Series heaters in animal confinement applications.

### Contents

- 4" Air Inlet Hose (AIRH)
- 4" Drain Waste Vent Tee (TEE-4)

### WARNING



Only trained, qualified gas installation and service personnel may install or service this equipment.

Improper installation, adjustment, alteration, service or maintenance can cause property damage, serious injury or death.

Contact the factory with any questions.

### Installation Instructions:

- 1 Overlap worm gear clamp onto the air inlet boot (AIRH).
- 2 Apply sealant onto the air inlet boot (AIRH).
- 3 Slip the air inlet boot (AIRH) completely on the burner air inlet collar.
- 4 Tighten the worm gear clamp.
- 5 Insert field supplied S&D pipe into the coupler to mate with the air intake cap.

**NOTE:** The use of PVC primer and cement is recommended.

Figure 1 • Assembly

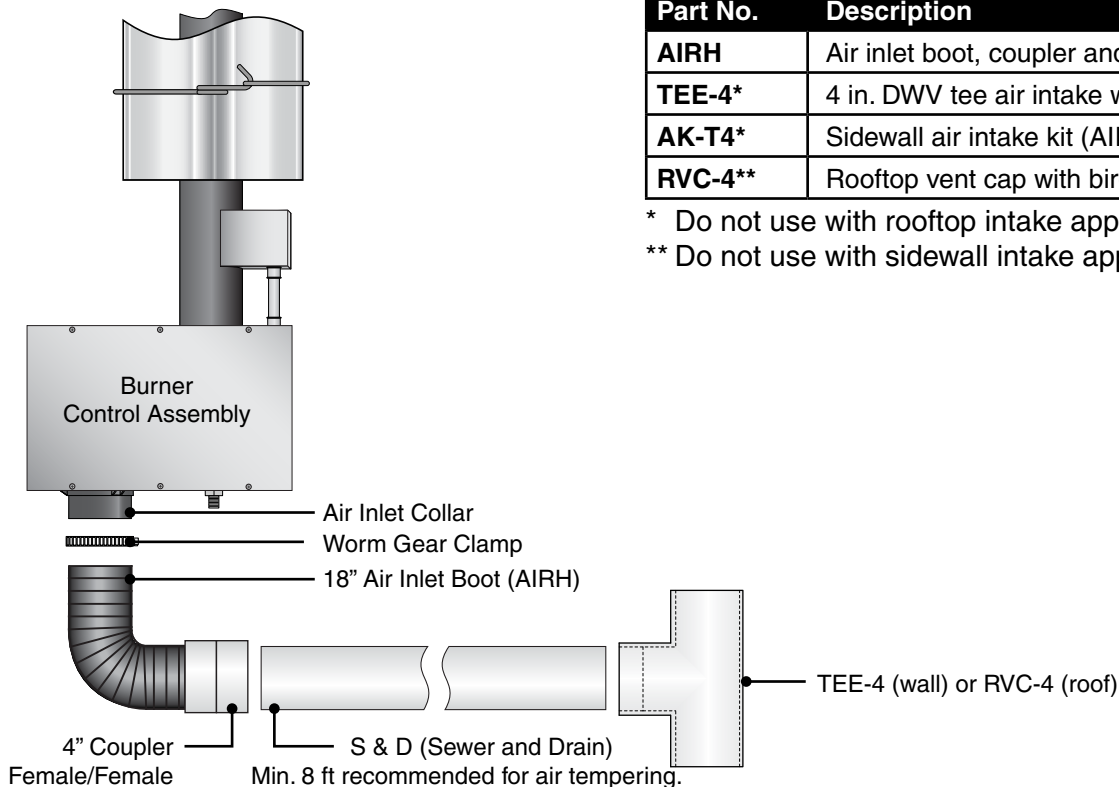


Chart 1 • Available Air Intake Accessories

Part No.	Description
AIRH	Air inlet boot, coupler and worm gear clamp.
TEE-4*	4 in. DWV tee air intake with bird screen.
AK-T4*	Sidewall air intake kit (AIRH and TEE-4).
RVC-4**	Rooftop vent cap with bird screen.

\* Do not use with rooftop intake applications.

\*\* Do not use with sidewall intake applications.

## Combustion Air

The combustion air intake collar is also a factory preset air orifice. Non-contaminated air for combustion **must** be ducted to the heater in all agricultural applications. **Do not** take combustion air from pressurized attic spaces, with the exception of broiler houses.

Locate the air intake away from any steam source. Use caution when locating air intake above curtain walls, as they can leak. When curtain walls are present, use 4-inch light gauge PVC air intake material from curtain sidewall to the heater; do not exceed 25 feet. With an elbow, drop intake one foot below the top of the curtain wall. Cap intake with a 1/4-inch birdscreen (see Figure 3a).

### Installation Guidelines:

- Installer should never locate air intake next to a steam/moisture source or near a heater's exhaust.
- If applicable, place TEE-4 a minimum of 2 inches above the curtain wall.
- A maximum of two (2) 90° elbows are permitted in each system.

Figure 2 • Typical Sidewall Installation

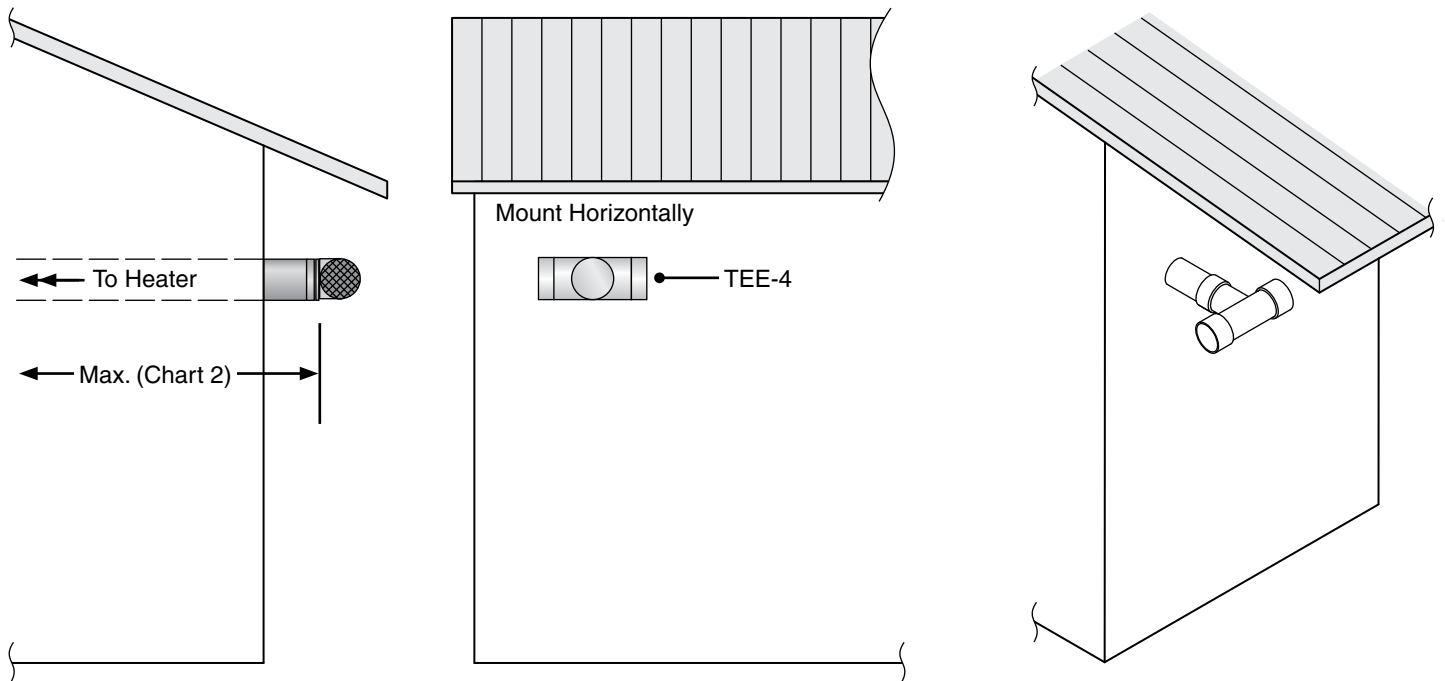


Figure 3a • Combustion Air Intake  
Broiler House (0° Control Box Orientation)

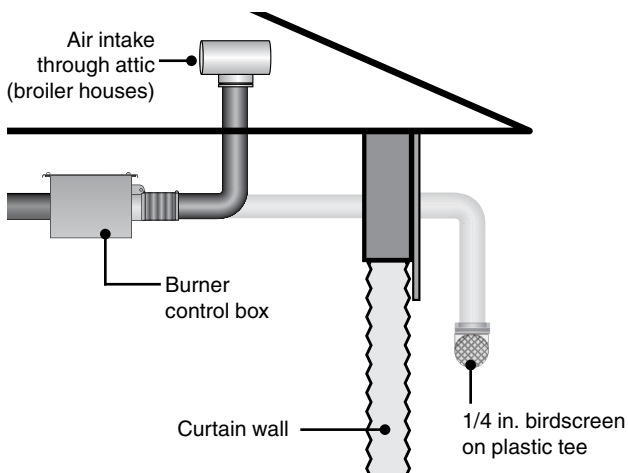


Figure 3b • Combustion Air Intake  
(Alternate 90° Control Box Orientation)

