

## INSTALLATION OF BECKETT VENT KIT

These kits (\*AOPS8394 & \*AOPS8412), are to be used for connection of the BECKETT AFG Burner Spec #'s TP2501, TP2502 & TP2701 and BECKETT NX Burner Spec # TP2601 to the field vent kit \*AOPS8393 and the furnace.

**NOTICE:** Installation must be performed by a qualified service technician.

**NOTICE:** Installer is required to supply the 4" inlet air pipe (dryer vent, metal vent, etc.)  
Maximum 15'.

**STEP#1:** Unpack contents and confirm all items have been packed. Remove burner from mounting plate.

**STEP#2:** Determine which side of furnace the combustion air supply will enter. Remove the knock out at lower left or lower right of the vestibule, depending on the selected side.

**STEP#3:** Affix the 4x3 reducer to the side casing using the pre-punched holes in the reducer and side casing.

**STEP#4:** Connect the 4" side of the reducer to the 4" inlet air vent pipe (supplied by the installer.) Once connected to the reducer, the other end can be connected to the field vent termination.

**STEP#5:** For sidewall venting the burner primary must have a post purge available. The Honeywell control R7184P is to replace the Honeywell control R7184B. The new control, R7184P, has a post purge option, which is needed for the sidewall vent application. Turn off the power to the burner and replace control. The Beckett GeniSys control, if so equipped, will be reprogrammed with the enclosed GeniSys Display by following the instructions included with the GeniSys Display control. A post purge of 30 seconds should be sufficient in both cases but if greater post purge times are required refer to the control instructions to set the timing.

**STEP#6:** Insert the Beckett Inlet Air Boot on the pump side of the AFG burner. The pump will need to be removed to apply the boot. See instruction sheet from Beckett for installing the boot; or Install the outside air adapter to the Beckett NX burner. Follow Beckett's instructions for proper mounting procedure.

**STEP#7:** If the desired firing rate for this application is .75 GPH (106,250 BTU), a static plate change to the burner is required. Remove nozzle line assembly and replace the 3-5/8" static plate (3912) with the 3-3/8" static plate (3384). Replace nozzle line assembly.

**STEP#8:** Return the burner to the mounting plate and tighten. Re-attach wiring and oil lines.

**STEP#9:** Attach Air Boot Adapter to inlet of air boot (AFG) or attach 4 x 3 reducer to outside air adapter (NX) . Clamp 3" flexible hose to this adapter.

**STEP#10:** Install Field Vent Kit AOPS8393 (sold separately.) If it is already installed, move to Step#11.

**STEP#11:** Check combustions after installing vent kit.

**Recommended CO2:**

**BECKETT # TP2501**

	MAXIMUM VENT 15'	MINIMUM VENT 5'
LOW FIRE	10 ½ % CO <sub>2</sub>	11 % CO <sub>2</sub>
MID FIRE	11 % CO <sub>2</sub>	11 ½ % CO <sub>2</sub>
HIGH FIRE	11 % CO <sub>2</sub>	11 % CO <sub>2</sub>

**BECKETT # TP2502**

	MAXIMUM VENT 15'	MINIMUM VENT 5'
LOW FIRE	11 ½ % CO <sub>2</sub>	11 ½ % CO <sub>2</sub>
MID FIRE	11 ½ % CO <sub>2</sub>	11 ½ % CO <sub>2</sub>
HIGH FIRE	11 ½ % CO <sub>2</sub>	11 ½ % CO <sub>2</sub>

SMOKE- (0-TRACE)