



F12-1 NEUTRA-FLO

Condensate Neutralizer

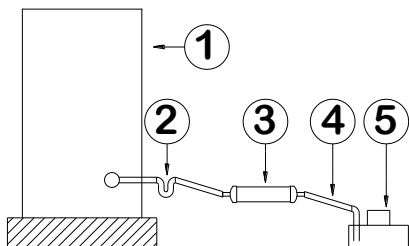
Installation Instruction

STOP! READ THIS NOW!

Installation of this kit must be done by a qualified technician familiar with gas and oil heating systems, equipped with the proper tools and equipment, and licensed by the proper authority where applicable. **Service done by unqualified persons may result in hazards to that person and others. These hazards may include severe personal injury, death, substantial property damage, damage to system components, and other hazards.**

WARNING

NEVER allow flue gases to vent through the neutralizer. Condensate drain must have a P-trap installed before the neutralizer. All piping to and from the neutralizer must maintain a downward pitch and comply with local plumbing, mechanical and building codes.



- 1 – Boiler
- 2 – P-trap
- 3 – F12-1 Neutra-Flo Condensate Neutralizer
- 4 – To Condensate Pump or Floor Drain
- 5 – Condensate Pump

Included with the F12-1 Neutra-Flo Kit:

- One Condensate Neutralizing Tube
- Two Mounting Clamps part number 41125
- One two pound bag neutralizing media part number F11-2
- Two 1/2" NPT x 1/2" Barbed fittings part number F11-3
- Two 1/2" NPT x 3/4" Barbed fittings part number F11-4

- Unscrew one end of the condensate neutralizing tube and fill with the two pound bag of neutralizing media. Replace cap.
- Mount the neutralizing tube horizontally with slight pitch using the two mounting clamps as illustrated above. Mount so the piping going to and leaving is pitched down to allow a gravity flow of the condensate water.
- A P-trap must be installed before the condensate neutralizing tube. Fill the water trap and condensate tube with tap water prior to use as to prevent gasses from escaping the appliance. NEVER operate dry.
- Use hose clamps on plastic tube. Use Teflon tape on threaded connections.

- Terminate condensate tubing at a condensate pump or floor drain. If a condensate pump is used follow manufactures recommendations regarding head pressure.
- Inspect to maintain a neutral pH. Typically untreated condensate has a pH in a range of 1.9 to 3.5, a neutral pH is 7. Checking the pH can be accomplished by using litmus paper.
- Under normal operating conditions a charge can typically last 3-6 months. When the pH drops below 6 or after the 3-6 months recharge the neutralizing tube with F11-2 Neutralizing Media.



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