

## FOR NEUTRALIZING CONDENSATE FROM HIGH EFFICIENCY FUEL-FIRED FURNACES, BOILERS, AND TANKLESS WATER HEATERS

- Complete line-up includes throwaway canister, refillable, and tank designs for the market
- New refillable condensate neutralizers are most cost effective approach over the appliance's service life
- Translucent cartridge design with offset fittings for horizontal or vertical positions
- Refillable condensate neutralization tank with pump for applications that require neutralized condensate to be removed
- Low-profile commercial neutralization tank with several piping options for fast and versatile installation

## Water Treatment Products

### pH-Treat™



### Description

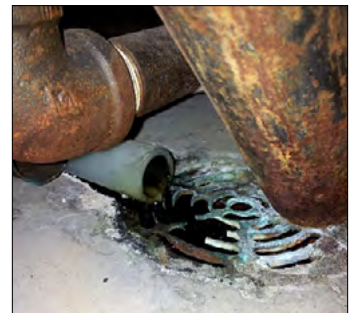
Nu-Calgon's pH-Treat neutralizers address acidic condensate produced by high efficiency furnaces, boilers and water heaters before it goes to drain. If left untreated, the condensate produced by these appliances can potentially harm the environment and drainage systems over time due to its low pH (typically 2 to 4). The pH-Treat line-up provides customer options based on cost of ownership, maximum install versatility, range for different system types, and whether there is an available drain nearby.

### Application

Installing condensate neutralizers on the condensate line of high efficiency furnaces is good service practice. Furthermore, local and state codes can mandate that acidic condensate is addressed prior to its release into the environment or waste water systems. This guidance is located in The National Plumbing Code as well as the International Plumbing Code, standard here:

#### **IPC 803.1 Neutralizing device required for corrosive wastes.**

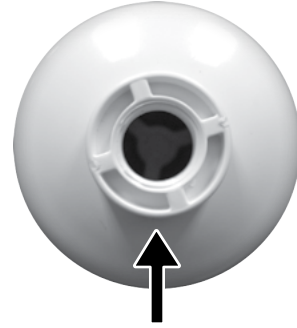
Corrosive liquids, spent acids or other harmful chemicals that destroy or injure a drain, sewer, soil or waste pipe, or create noxious or toxic fumes or interfere with sewage treatment processes shall not be discharged into the plumbing system without being thoroughly diluted, neutralized or treated by passing through an approved dilution or neutralizing device. Such devices shall be automatically provided with a sufficient supply of diluting water or neutralizing medium so as to make the contents noninjurious before discharge into the drainage system. The nature of the corrosive or harmful waste and the method of its treatment or dilution shall be approved prior to installation.



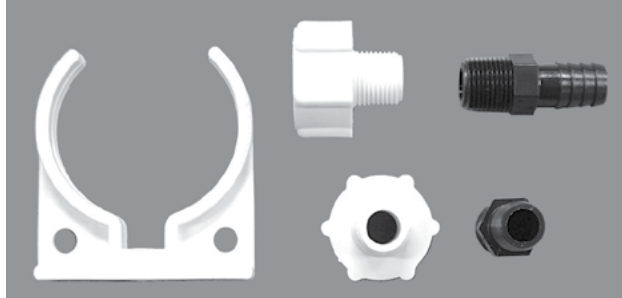
## pH-Treat Condensate Neutralizer Kit

Part Number: 4720-06

- Prevents acidic condensate from corroding drain systems
- Helps maintain a neutral environment for bacteria in septic systems
- Throwaway cartridge design – media not refillable
- Appliance Sizing: 225,000 BTU/hr or 1.0 gal/hr condensate flow rate
- Cartridge housing: 2.5" dia. X 12" long with 3/8" FPT
- Center fittings, gravity feed design
- Install orientation: vertical
- Packaged with 1/2" barb fittings, thread adaptors, mounting clip
- Expected one year service life or when pH falls below 6



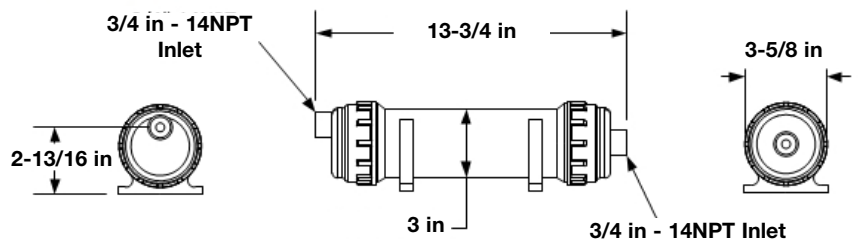
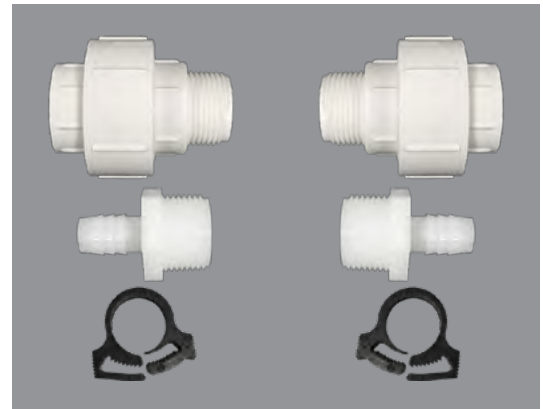
3/8" FPT Connections



## pH-Treat Condensate Neutralizer Kit

Part Number: 4720-10

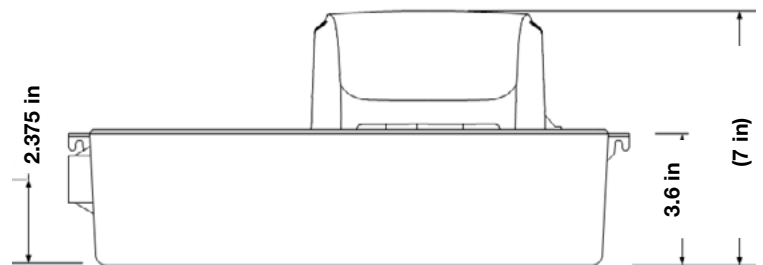
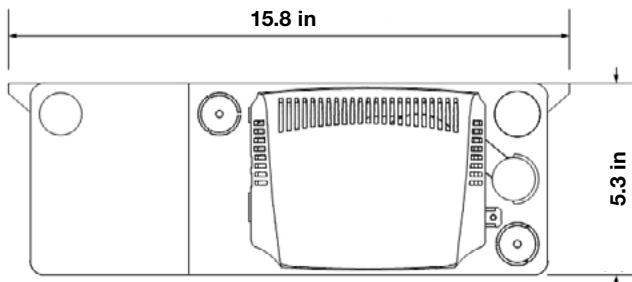
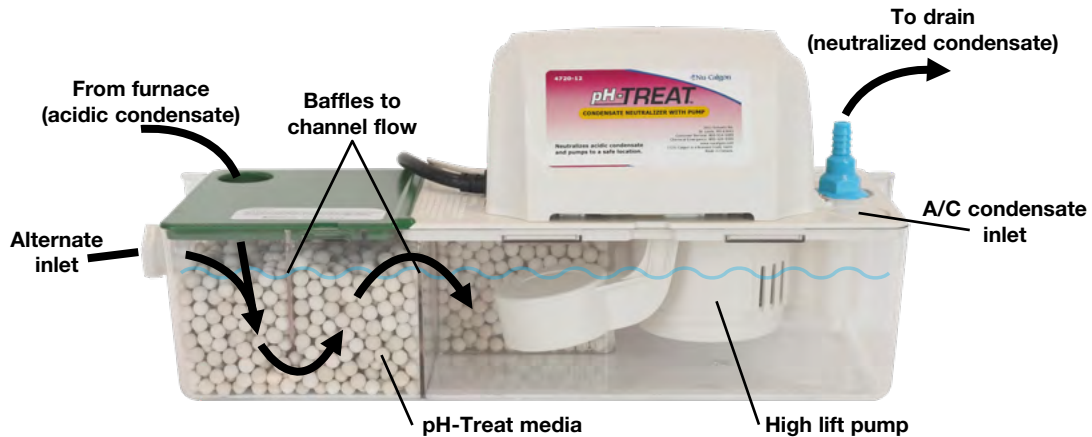
- Prevents acidic condensate from corroding drain systems
- Helps maintain a neutral environment for bacteria in septic systems
- Refillable capsule design- refilling media only saves cost overtime
- Appliance Sizing: 400,000 BTU/hr or 1.6 gal/hr condensate flow rate
- Cartridge housing: 3.0" dia. X 13.75" long
- Offset fittings, gravity feed design
- Install orientation: vertical or horizontal
- Low profile design for appliances with near floor condensate drain
- Packaged with threaded o-ring seal adaptors for serviceability ease
- Supplied with two barb fittings, hose clips, mounting brackets and initial charge of pH Treat neutralizing media
- Expected one year service life or when pH falls below 6
- **Replacement pH-Treat Media: p/n: 4720-11**  
- Media wt. 3 lbs



# pH-Treat Condensate Neutralizer with Pump

Part Number: 4720-12

- Prevents acidic condensate from corroding drain systems
- Helps maintain a neutral environment for bacteria in septic systems
- Refillable tank design
- Pump removes neutralized condensate when drain is not nearby
- Equipped with high level float switch to connect to system interlock
- Maximum pump head: 20 feet
- Appliance Sizing: 500,000 BTU/hr or 1.9 gal/hr condensate flow rate
- Install orientation: horizontal
- Low profile design for appliances with near floor condensate drain
- Made from corrosion resistance materials
- One gallon tank with baffles designed to channel flow through pH-Treat media for complete neutralization
- Supplied with initial charge of pH-Treat neutralizing media and 20 ft of 3/8" vinyl tubing
- Media service life is one year or when pH falls below 6
- **Replacement pH-Treat Media: p/n: 4720-13**  
- Media wt. 4 lbs



## Electrical:

Pump: 120VAC 60Hz, 87W, 0.89Amps  
High level safety switch rating: 125 or 250VAC 6A, 125VDC 0.4A, 250VDC 0.3A

## Pump Performance:

Submerged pump is self-priming  
74 GPH at free flow  
32 GPH at 20 ft head

Pump is certified to CAN/CSA STD C22.2 no. 108

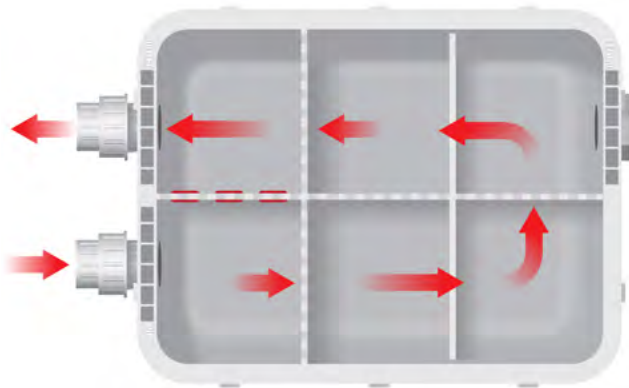
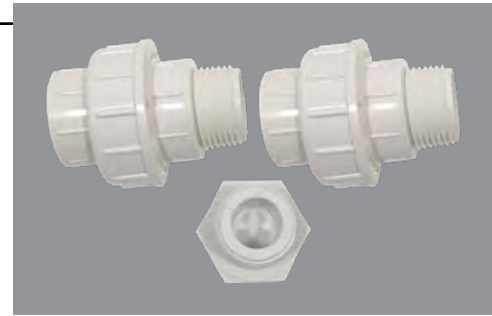


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Pump conforms to ANSI/UL STD 778

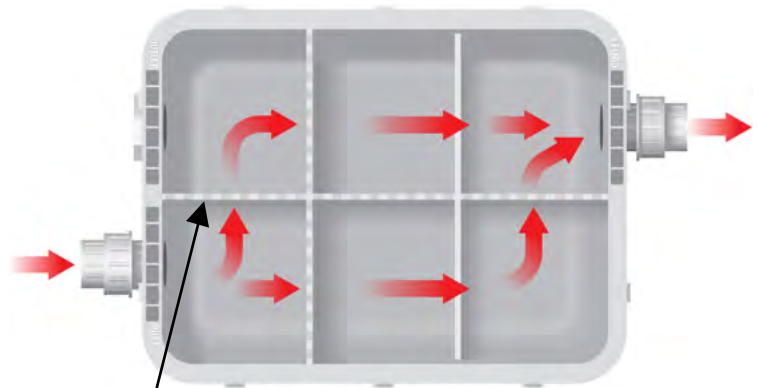
# pH-Treat Condensate Neutralizer Tank

Part Number: 4720-14

- Prevents acidic condensate from corroding drain systems
- Helps maintain a neutral environment for bacteria in septic systems
- Refillable tank design for commercial applications
- Appliance Sizing: 3,000,000 BTU/hr or 20 gal/hr condensate flow rate
- Low profile design for appliances with near floor condensate drain
- Constructed with durable and corrosion resistant polypropylene
- 3.5 gallon tank with baffles to channel flow for complete neutralization
- Two option piping configuration for fast and versatile installation
- Supplied with two 1" NPT x PVC unions and 1" NPT x PVC plug
- Supplied with initial charge of pH-Treat neutralizer media
- Integral bypass feature prevents condensate backflow into appliance
- Media service life is one year or when pH falls below 6
- **Replacement pH-Treat Media: p/n: 4720-15**  
- Media wt. 32 lbs



**Option #1 Install**



**Option #2 Install**  
Remove three plugs for this installation

