



# Neutra-Safe®

## **PRODUCT CATALOG**

**CONDENSATE NEUTRALIZERS**

**NEUTRALIZING CONDENSATE PUMPS**

**RECHARGE KITS**

**SYSTEM FEEDER**



## **NEUTRA-SAFE® PRODUCTS—THE DIFFERENCE IS CLEAR. ORDER TODAY**

Safeguard drains, sewers and septic systems, as well as treatment facilities from the acidic condensate produced by condensing boilers, water heaters and furnaces. Protect your property and environment with Neutra-Safe's high-performance condensate neutralizers, neutralizing pumps, recharge kits and system feeder.

The Neutra-Safe condensate neutralizer's innovative features set it apart from the competition. Our tube style condensate neutralizers have patented built-in unions with o-ring seals at each end. The unions ensure ease of installation, service, and replacement of media. The clear tube allows for visual inspection. Our proprietary blend of calcite and magnesium oxide provides superior performance. Neutra-Safe condensate neutralizers are compatible with all gas fired condensing appliances.



### **THE MEDIA**

Our Neutra-pH is made up of clean calcite (98%-100% pure calcium carbonate) and magnesium oxide. Calcite works by having the acidic aqueous solution come in contact with its surface. It raises the pH by dissolving some of the calcite (calcium carbonate) releasing carbon dioxide and various salts. Some of the salts stay entrained in the aqueous solutions and some may settle to the bottom of the neutralizer. An advantage of calcite is that it is self-limiting and does not over correct causing a high pH condition which is undesirable.



We added granular magnesium oxide to our media for better performance. Calcite and magnesium oxide are used globally in the treatment of potable (drinking) water for raising pH. Neutrasafe Corporation is committed to ongoing research and development to provide you with the best possible solutions for your condensate needs.



# NEUTRA-SAFE® TUBE STYLE CONDENSATE NEUTRALIZERS

## GUIDELINE CAPACITY UP TO 300,000 BTU/HR INPUT

### NEUTRA-SAFE® CONDENSATE NEUTRALIZER TUBE MODELS

**Neutrasafe#: CN2-220C**  
**Guideline capacity 220,000 BTU/hr**

2" Clear tube condensate neutralizer/integral O-ring unions, 1/2" M x 3/4" PVC socket fittings and snap in brackets included.

UPC: 850488004317

Unit: ea.                      Unit Wt (lbs): 4  
 Case Qty: 12              Case Wt (lbs): 42  
 Dimensions (in.):  
 Box: 20 x 4 x 4      Case: 21 x 13 x 11

**Neutrasafe#: CN2-220BC**  
**Guideline capacity 220,000 BTU/hr**

2" Clear tube condensate neutralizer/integral O-ring unions, 1/2" M x 3/4" PVC socket fittings, 3/4" barb fittings and snap in brackets included.

UPC: 850488004324

Unit: ea.                      Unit Wt (lbs): 4  
 Case Qty: 12              Case Wt (lbs): 42  
 Dimensions (in.):  
 Box: 20 x 4 x 4      Case: 21 x 13 x 11

**Neutrasafe#: CN2-220V**  
**Guideline capacity 220,000 BTU/hr**

2" Clear tube vertical condensate neutralizer includes media sack, stainless steel screen, integral O-ring unions, 1/2" M x 3/4" PVC socket fittings and snap in brackets; Can be installed vertically or horizontally.

UPC: 850488004393

Unit: ea.                      Unit Wt (lbs): 4  
 Case Qty: 12              Case Wt (lbs): 42  
 Dimensions (in.):  
 Box: 20 x 4 x 4      Case: 21 x 13 x 11

Unique patented integrated unions—making installation and service fast and easy

**Neutrasafe#: CN2-220VK**  
**Guideline capacity 220,000 BTU/hr**

2" Clear tube vertical condensate neutralizer kit includes media sack, stainless steel screen, integral O-ring unions, 1/2" M x 3/4" PVC socket fittings, (2)-1/2" FIPT Tees, (2)- 1/2" x 1/2" male hex connector, (2)- 1/2" x 3" nipples, 1/2" FIPT Cap and snap in brackets included.

UPC: 850488004409

Unit: ea.                      Unit Wt (lbs): 4  
 Case Qty: 12              Case Wt (lbs): 43  
 Dimensions (in.):  
 Box: 20 x 4 x 4      Case: 21 x 13 x 11

**Neutrasafe#: CN2-300C**  
**Guideline capacity 300,000 BTU/hr**

2" Clear tube condensate neutralizer/integral O-ring unions, 1/2" M x 3/4" PVC socket fittings and snap in brackets included.

UPC: 850488004843

Unit: ea.                      Unit Wt (lbs): 5  
 Case Qty: 12              Case Wt (lbs): 52  
 Dimensions (in.):  
 Box: 24 x 4 x 4      Case: 24 x 14 x 11

### RECHARGE KITS

**Neutrasafe#: 22RCK-S**  
**Services all CN2-220 models**

2"- 220,000 BTU/hr-Sack Recharge Kit/O-rings.

UPC: 850488004386

Unit: ea.                      Unit Wt (lbs): 3  
 Case Qty: 12              Case Wt (lbs): 26  
 Dimensions (in.):  
 Box: 14 x 2 x 2      Case: 14 x 9 x 7

**Neutrasafe#: 30RCK**  
**Services CN2-300 model**

2"- 300,000 BTU/hr Recharge Kit/O-rings.

UPC: 850488004867

Unit: ea.                      Unit Wt (lbs): 3  
 Case Qty: 6              Case Wt (lbs): 17  
 Dimensions (in.):  
 Box: 14 x 3 x 3      Case: 20 x 14 x 14

# NEUTRA-SAFE® TUBE STYLE CONDENSATE NEUTRALIZERS

## GUIDELINE CAPACITY FROM 301,000 TO 2,000,000 BTU/HR INPUT

### NEUTRA-SAFE® CONDENSATE NEUTRALIZER TUBE MODELS



**Neutrasafe#: CN4-600**  
**Guideline capacity 600,000 BTU/hr**

4" Clear tube condensate neutralizer/  
integral O-ring unions, 1/2" M x 3/4"  
PVC socket fittings included.

UPC: 850488004287

Unit: ea.                      Unit Wt (lbs): 7  
Case Qty: 6                  Case Wt (lbs): 41  
Dimensions (in.):  
Box: 14 x 6 x 6    Case: 17 x 12 x 16

### NEUTRA-SAFE® CONDENSATE NEUTRALIZER TUBE RECHARGE KITS



**Neutrasafe#: 60RCK**  
**Services CN4-600 model**

4" - 600,000 BTU/hr Recharge Kit/  
O-rings.

UPC: 850488004270

Unit: ea.                      Unit Wt (lbs): 5  
Case Qty: 6                  Case Wt (lbs): 30  
Dimensions (in.):  
Box: 14 x 3 x 3    Case: 20 x 14 x 14



**Neutrasafe#: CN4-850**  
**Guideline capacity 850,000 BTU/hr**

4" Clear tube condensate neutralizer/  
integral O-ring unions, 1/2" M x 3/4"  
PVC socket fittings included.

UPC: 850488004850

Unit: ea.                      Unit Wt (lbs): 10  
Case Qty: 6                  Case Wt (lbs): 59  
Dimensions (in.):  
Box: 18 x 6 x 6    Case: 19 x 17 x 13



**Neutrasafe#: 85RCK**  
**Services CN4-850 model**

4" - 850,000 BTU/hr Recharge Kit/  
O-rings.

UPC: 850488004874

Unit: ea.                      Unit Wt (lbs): 8  
Case Qty: 4                  Case Wt (lbs): 32  
Dimensions (in.):  
Box: 14 x 4 x 4    Case: 17 x 15 x 5



**Neutrasafe#: CN4-1200**  
**Guideline capacity 1,200,000 BTU/hr**

4" Clear tube condensate neutralizer/  
integral O-ring unions, 1/2" M x 3/4"  
PVC socket fittings included.

UPC: 850488004249

Unit: ea.                      Unit Wt (lbs): 11  
Case Qty: 4                  Case Wt (lbs): 44  
Dimensions (in.):  
Box: 20 x 6 x 6    Case: 21 x 12 x 13



**Neutrasafe#: 120RCK**  
**Services CN4-1200 model**

4" - 1,200,000 BTU/hr Recharge Kit/  
O-rings.

UPC: 850488004300

Unit: ea.                      Unit Wt (lbs): 9  
Case Qty: 4                  Case Wt (lbs): 36  
Dimensions (in.):  
Box: 14 x 4 x 4    Case: 17 x 15 x 5



**Neutrasafe#: CN4-2000**  
**Guideline capacity 2,000,000 BTU/hr**

4" Clear tube condensate neutralizer/  
integral O-ring unions, 1/2" M x 3/4"  
PVC socket fittings included.

UPC: 850488004294

Unit: ea.                      Unit Wt (lbs): 18  
Case Qty: 1  
Dimensions (in.): Box: 32 x 6 x 6



**Neutrasafe#: 200RCK**  
**Services CN4-2000 model**

4" - 2,000,000 BTU/hr Recharge Kit/  
O-rings.

UPC: 850488004379

Unit: ea.                      Unit Wt (lbs): 15  
Case Qty: 4                  Case Wt (lbs): 60  
Dimensions (in.):  
Box: 22 x 4 x 4    Case: 23 x 17 x 5

## NEUTRA-SAFE® TRAY AND TANK STYLE CONDENSATE NEUTRALIZERS FROM 2,001,000 TO 6,000,000 BTU/HR INPUT

### NEUTRA-SAFE® TRAY CONDENSATE NEUTRALIZER

Neutrasafe#: CN5TR

Guideline capacity 5 million BTU/hr

Serpentine tray condensate neutralizer with clear cover.

UPC: 850488004928

Unit: ea. Unit Wt (lbs): 37

Case Qty: 1

Dimensions (in.): Box: 19 x 15 x 6



### NEUTRA-SAFE® CONDENSATE NEUTRALIZER TRAY RECHARGE KIT

Neutrasafe#: 5TRRCK-S

Serves CN5TR model

5,000,000 BTU/hr-(3) Sacks Tray Recharge Kit.

UPC: 850488004935

Unit: ea. Unit Wt (lbs): 30

Case Qty: 1

Dimensions (in.): Box: 22 x 13 x 6



### NEUTRA-SAFE® TANK CONDENSATE NEUTRALIZER

Neutrasafe#: CN6T

Guideline capacity 6 million BTU/hr

6 Gallon Tank Condensate Neutralizer - 1" FIP tapings.

UPC: 850488004188

Unit: ea. Unit Wt (lbs): 53

Case Qty: 1

Dimensions (in.): Box: 22 x 13 x 16



### NEUTRA-SAFE® CONDENSATE NEUTRALIZER TANK/PUMP RECHARGE KIT

Neutrasafe#: 6TKRCK

Serves CN6T and NSP-600 models

6,000,000 BTU/hr Tank/Pump Recharge Kit.

UPC: 850488004621

Unit: ea. Unit Wt (lbs): 46

Case Qty: 1

Dimensions (in.): Box: 22 x 13 x 6



## NEUTRA-SAFE® CONDENSATE NEUTRALIZER PUMP COMBINATIONS

### NEUTRA-SAFE® PUMP

Neutrasafe#: NSP-50

Guideline capacity 500,000 BTU/hr

Neutralizing condensate pump featuring Little Giant Pump.

UPC: 850488004904

Unit: ea. Unit Wt (lbs): 12

Case Qty: 1

Dimensions (in.): Box: 20 x 6 x 9



### NEUTRA-SAFE® CONDENSATE NEUTRALIZER PUMP RECHARGE KIT

Neutrasafe#: 50RCK-S

Serves NSP-50 model

500,000 BTU/hr-Sack Recharge Kit.

UPC: 850488004911

Unit: ea.

Unit Wt (lbs): 5

Case Qty: 6

Case Wt (lbs): 25

Dimensions (in.):

Box: 14 x 3 x 3 Case: 20 x 14 x 14



### NEUTRA-SAFE® PUMP

Neutrasafe#: NSP-600

Guideline capacity 6,000,000 BTU/hr

Neutralizing condensate pump.

UPC: 850488004942

Unit: ea. Unit Wt (lbs): 60

Case Qty: 1

Dimensions (in.): Box: 22 x 13 x 17



### NEUTRA-SAFE® CONDENSATE NEUTRALIZER TANK/PUMP RECHARGE KIT

Neutrasafe#: 6TKRCK

Serves CN6T and NSP-600 models

6,000,000 BTU/hr Tank/Pump Recharge Kit.

UPC: 850488004621

Unit: ea.

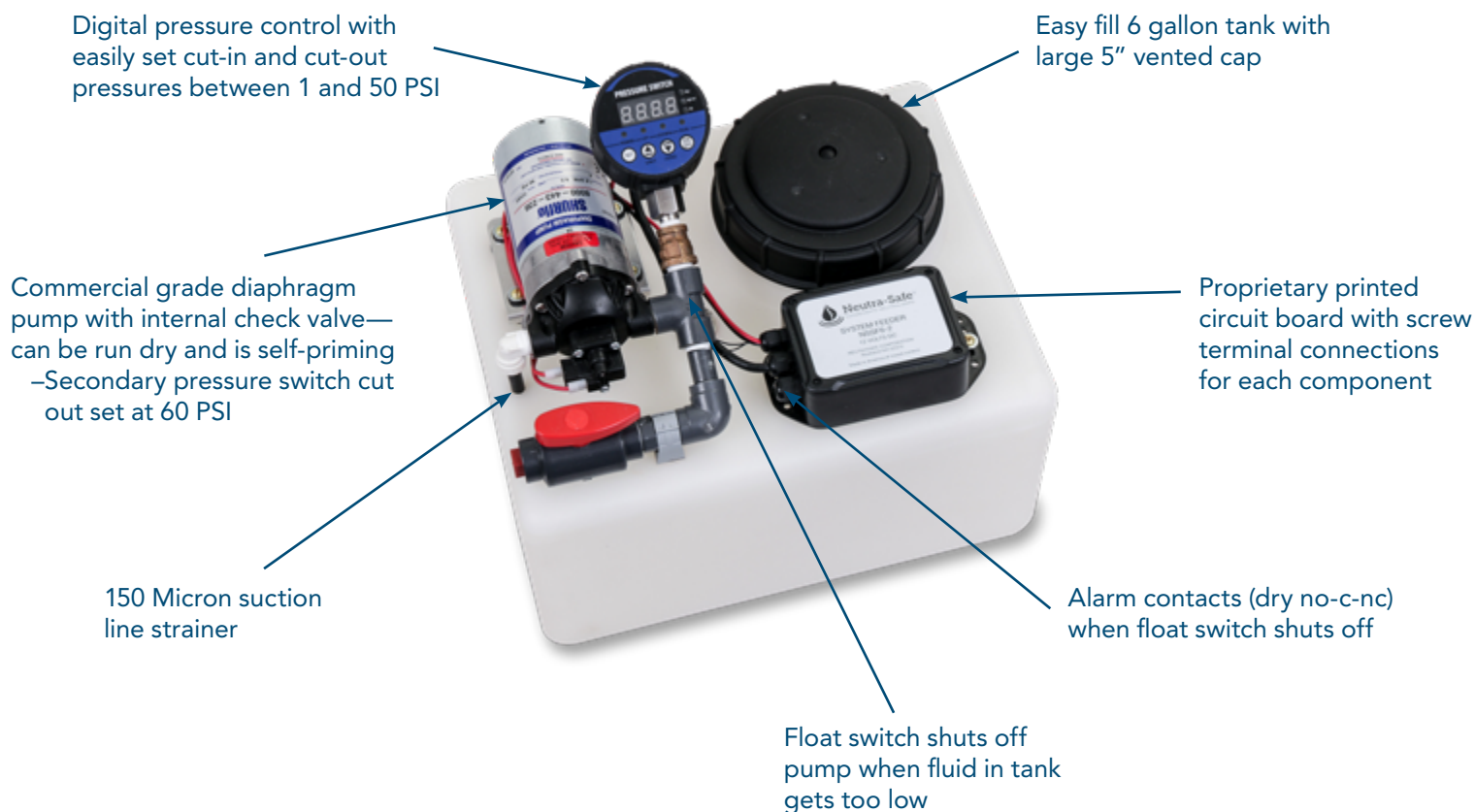
Unit Wt (lbs): 46

Case Qty: 1

Dimensions (in.): Box: 22 x 13 x 6



## NEUTRA-SAFE® SYSTEM FEEDER



### Neutrasafe#: NSSF6-2

Hydronic or solar system feeder, 6 gallon tank, 12VDC, digital pressure control.

UPC: 850488004416

Unit: ea.                      Unit Wt (lbs): 20

Case Qty: 1

Dimensions (in.): Box: 18 x 15 x 18

The Neutra-Safe® System Feeder is designed to feed and maintain pressure in closed loop hydronic and thermal solar systems that require up to 50 PSI of cold static pressure for use with water or glycol (up to 50%) solutions.

### FEATURES AND BENEFITS

- ▶ UL Listed 10 amp power supply — can be used in any standard 115VAC outlet
- ▶ Eliminates need for pressure reducing valve and back flow preventer
- ▶ Allows for system leak detection
- ▶ Limits the amount of fluid that can be lost in the event a major leak
- ▶ Fluid level markings molded into tank
- ▶ Threaded inserts molded into tank bottom for attaching optional mounting brackets



## WHAT IS CONDENSATE?

Condensate is produced when the flue gas temperature of a gas fired boiler, water heater or furnace drops below approximately 130°. The condensate is made up of several ingredients and will generally have a pH of between 2.9 and 4. At this level, it is considered acidic and can cause serious damage to piping systems, treatment facilities and septic systems.

## WHY IT'S ESSENTIAL FOR EVERY CONDENSING APPLIANCE TO INCLUDE A CONDENSATE NEUTRALIZER

A fully condensing appliance can produce condensate at the rate of approximately .75 gallons per hour per 100,000 BTUs. Apart from the fact that most if not all plumbing codes prohibit the disposal of acidic or hazardous waste without treatment, untreated condensate can cause serious damage to drainage piping and fittings. While condensing gas equipment condensate is acidic, it is the amount produced that is of concern. Condensate from these appliances can produce hundreds to thousands of gallons per year depending on size and operating hours.



# Neutra-Safe®

**Neutrasafe Corporation**

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