

LCU-N Series

Neutralizing Condensate Pumps

Liberty Pumps®

A Family and Employee Owned Company

For neutralization and removal of acidic condensate produced by high-efficiency combustion equipment. When not neutralized, acidic condensate has the potential to harm the environment and any plumbing it comes in contact with due to its acidic nature.



Patent: See
LibertyPumps.com/patents



Rated for acidic condensate from up to 500,000 BTUs of appliance input from condensing boilers/furnaces as well as non-acidic condensate from A/C equipment, ice machines, dehumidifiers and other applications requiring condensate removal. The unit is designed to accept acidic and non-acidic condensate. Separate inlets are provided for standard (non-acidic) inputs that will help extend the life of the neutralizing media when not required.

LCU-N Models

LCU-N20ST (115V) with safety switch and tubing

LCU-N220ST (230V) with safety switch and tubing



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LCU-N Series

Features

- High impact ABS tank
- Wall mounts
- Three 1" standard condensate inlet holes
- 3/8" O.D. barbed and threaded discharge connection for neutralized condensate
- One 1" hole and a 3/4" NPT inlet for acidic condensate
- Removable check valve
- Stainless-steel shaft
- 6' Power cord with ground
- Thermally protected
- Fully automatic
- Quiet operation
- Noise/vibration isolation pads pre-installed on tank
- Built-in overflow safety switch
- Includes 20' of tubing
- Pellet media is a granular form of magnesium oxide 5/16" - 3/8" (8-10 mm)

Benefits

- Prevents expensive repairs due to corroding drains and sewer systems
- Neutralized condensate is environmentally safer compared to acidic condensate
- Neutralizer media is contained within a cartridge to make replacing used media hassle-free
- Smaller magnesium oxide pellets offer faster neutralization of high PH water over larger size media

Maximum Fluid Temperature

150°F (65.5°C)

Replacement Kit

Part Number	Description
K001898	Replacement neutralizer cartridge

Models

MODEL	HP	VOLTS	HZ	AMPS	HEIGHT	LENGTH	WIDTH	WEIGHT	CAPACITY	MAX HEAD	SAFETY SWITCH	20' TUBING
LCU-N20ST	1/30	115	60	1.5	6.5"	11-1/8"	5"	11.0 lbs	2 US Qt	20'	Yes	Yes
LCU-N220ST	1/30	230	60	0.7	6.5"	11-1/8"	5"	11.0 lbs	2 US Qt	20'	Yes	Yes

Condensate Applications

Acidic

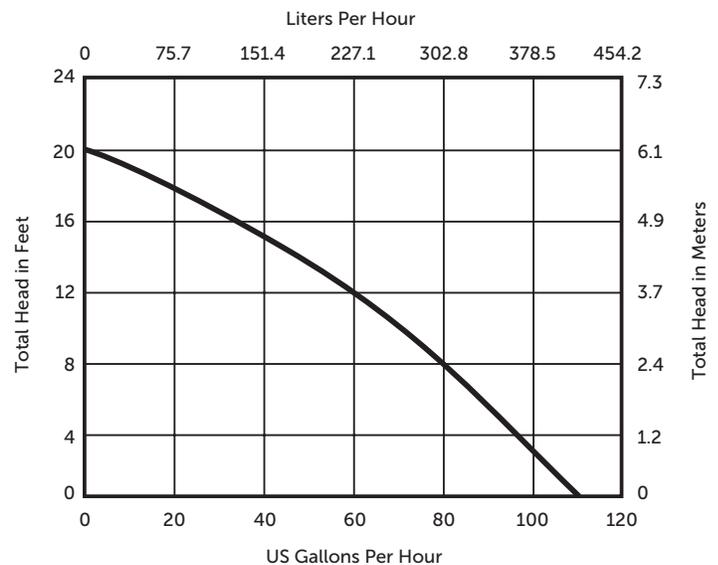
- High efficiency furnaces
- High efficiency boilers
- High efficiency hot water heaters
- Other acidic condensate generating applications

Standard

- AC equipment
- Ice machines
- Drinking fountains
- Dehumidifiers
- Other applications requiring condensate removal

Performance Curve

60 Hz



K001898