

Stulz Ultrasonic™

Ultrasonic Humidification Systems

1 to 40 lbs/hr



Stulz Ultrasonic Principle of Operation:

A piezoelectric transducer, emersed in the water bed, converts a high-frequency electronic signal into a high frequency mechanical oscillation.

As the oscillation speed is increased to a level where the water particles can no longer follow the oscillating surface, a momentary vacuum and strong compression occur, leading to the explosive formation of air bubbles (cavitation).

At cavitation, broken capillary waves are generated and minute nebula droplets break the surface tension of the water and are quickly dissipated into the air, taking vapor (1 micron diameter) form and absorbed into the airstream.



Ultrasonic Humidifiers

ENU



ENU - 2.6 - 39.6 lbs/hr

- Duct or Central Air Handling Unit Humidifiers
- All Stainless Steel Construction
- Modular/multi-humidifier applications meet any capacity requirement
- Low Maintenance, Clean and Environmentally Safe
- 93% More Energy Efficient than Steam Canister and Infra-Red Type Humidifiers
- UL Certified

BNB



BNB/BNU - 2.2 - 17.6 lbs/hr

- Standalone Direct Room Humidifiers
- Modular/multi-humidifier applications meet any capacity requirement
- Low Maintenance, Clean and Environmentally Safe
- 93% More Energy Efficient than Steam Canister and Infra-Red Type Humidifiers
- UL Certified (BNU)

SCA



SCA - 2.2 - 4.4 lbs/hr

- Multipurpose Standalone Process & Display Case Humidifiers
- Built-In Fan and Flange Mounted Mist Distribution System
- Low Maintenance, Clean and Environmentally Safe
- Energy Efficient

FN



FN - 1.1 lbs/hr

- Fan Coil & Console A/C Compact Humidifiers
- Flexible hoses for air intake and humidified air supply eliminate the need for an integral fan
- Low Maintenance, Clean and Environmentally Safe
- Energy Efficient

KNA & KNB



KNA/KNB - 4.4 - 8.8 lbs/hr

- Standalone Green House & Mushroom Growing Humidifiers
- Works in high humidity environments
- Low Maintenance, Clean and Environmentally Safe
- Energy Efficient

Options & Accessories



Options & Accessories

- Control cabinet for on/off, proportional or any other optional controls
- Demineralization (DEMI) Cabinet
- Conductimeter with measuring probes
- Water detectors
- Large water treatment systems
- High limit sensors
- Multi-humidifier racking systems