

# pureMIST

**COMPACT SERIES**

COMPACT ULTRA SONIC HUMIDIFIER INSTALL MANUAL



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**ultra P.YI™**

# COMPACT ULTRA SONIC HUMIDIFIER

## INSTALL MANUAL:

pureMist new wall mounted ultrasonic humidifier for direct room humification. High frequency vibrations of the oscillator, transducer (1.7 MHz) pureMist produce extremely fine droplets and deliver mist via a variable speed out of the cabinet into the space being controlled. with approx. 1M size droplets.



# COMPACT ULTRA SONIC HUMIDIFIER INSTALL MANUAL:

Thank you for choosing **UPS** (Ultra-Pure Systems) for your Humidification solution. We are confident you have made the right decision.

Throughout this manual are suggestions and best practices to install your new ultra sonic humidifier.

## **INSTALLATION MANUAL**

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# COMPACT ULTRA SONIC HUMIDIFIER INSTALL MANUAL:

## PRODUCT SPECIFICATION

### General

Ultrasonic compact adiabatic humidifiers are used for direct humidification applications. Integral of humidifier is (1) variable speed fan and 1 or 2 piezo-electric transducers depending on size of humidifier. Cool mist will be distributed from top of units through a nozzle or distributor installed on top of each humidifier.

Each cabinet is constructed of ½” welded HDPE plastic with all connections to humidifier on the bottom right-hand side of cabinet. Each cabinet is delivered with a 115volt receptacle on left side of cabinet.

### Dimensions

MODELS	UP02
Production	2.2 lb/hr
Width	12”
Height	11”
Depth	9”

WEIGHT	UP02
Packaged	32 lb
Empty	24 lb
Installed	32 lb

# COMPACT ULTRA SONIC HUMIDIFIER

## INSTALL MANUAL:

### PREPARING FOR INSTALL

#### Opening package

- Make sure package is intact and all packing material has not been disrupted during shipment.
- Read the included manual in its entirety.
- Set humidifier on level surface until ready for installation.

#### System Includes

- Black HDPE cabinet
- (1) 6' extension cord
- Installation manual
- IOM Manual
- ¼" 3/8" red safety clips
- OPTIONAL: Humidistat, Nozzle, Plastic tube, Display

#### Installation

This Ultrasonic humidifier is designed to be mounted indoors, horizontally so mist can be displaced from the top of unit using (1) required optional accessories for distribution.

**Placement of Ultrasonic humidifiers is extremely important for proper absorption and operation. Mist will extend approx. 4-6ft in front of the unit depending on speed of the fan. Avoiding pipes, hangers, any type of metal, smoke/fire detectors, lights or any type of plastic will mitigate mist being condensed into water droplets.**

To mitigate mist from condensing on the ground mount Ultrasonic humidifier 7 feet above ground level.

If distributor or plastic tube is used, be aware of mist inside chamber or ductwork so that mist has allowable space approx. 5-7'.

# COMPACT ULTRA SONIC HUMIDIFIER INSTALL MANUAL:

Each cabinet can be hung on **Wall** or **Surface** mounted. Follow below steps for installation recommendations.

## Wall Mounted

- Once humidifier location has been determined. Use below reference for distance between mounting holes for humidifier to hang onto wall.

MODELS	UP02
Center to Center Holes	15"
Top to Bottom	9"

- ATTENTION: Mounting humidifier with commercial grade anchors preferably a concrete wall is recommended.
- Use shallow (5/8") or deep (1"-5/8") channel strut approx. 24" long. This is very important to allow for service and maintenance. Mount onto wall with commercial grade anchors approx. 6-7ft off ground.
- Confirm channel strut is level side to side and top to bottom. This is very important so that water within the humidifier is level.
- Use (4) spring nuts and attach humidifier with 1/2" bolts and fender washers to channel strut.
- Use included phone cable and plug into side of cabinet. Locate display and plug other end into back of display.

## Surface Mount

- Once surface location has been determined cut 1" hole into surface and set drain line below unit on top of hole.
- Mount humidistat in desired location not exceeding 6ft from cabinet. To achieve accurate readings humidistat needs to be placed where room conditions are average. Stay away from hot and cold areas as this will affect how each humidifier will operate.

# COMPACT ULTRA SONIC HUMIDIFIER

## INSTALL MANUAL:

SKIP THE NEXT 2 STEPS IF OPTIONAL REMOTE HUMIDSTAT IS NOT USED

1. Mount humidistat in desired location not exceeding included wire length. To achieve accurate readings humidistat needs to be placed where room conditions are average. Stay away from hot and cold areas as this will affect how each humidifier will operate.
2. Terminate White, Black and Red 3 wires onto bottom right hand side terminal block color for color with included 6' wire.

IMPORTANT: Before proceeding with water connections, make sure power is disconnected.

- Attached to the bottom of the cabinet is a ½” FPT bulkhead (female pipe thread) safety drain. Run ½” pipe to approved drain so water can drain easily if there was ever an event with water inside the cabinet.
- Each humidifier has JG push connect fittings on side of cabinet for ease connection.
- Use included RED plastic tubing and attach to inlet to ¼” fitting on right side of Ultrasonic Humidifier. Inlet water requires DI water. Any other water quality will void warranty.
- Use Included 3/8” (BLACK) plastic tubing and attach to side of Ultrasonic Humidifier and run to approved drain.
- Included RED safety clips must be installed, visit our website: <https://ultrapureus.com/kb/john-guest-fitting-removal/> tutorial on how to correctly secure JG fittings to plastic tubing.
- Once water connections have been secured, turn on water supply. Check for leaks.
- Plug humidifier into a dedicated 115-volt 15-amp GFCI receptacle. If included electrical cord will not be used, remove front of cabinet by releasing hinges on both sides confirm unit is disconnected and carefully remove pre-installed electrical cord.

# COMPACT ULTRA SONIC HUMIDIFIER INSTALL MANUAL:

Once recommended steps have been completed your Ultra Sonic humidifier is ready for operation.

During startup display will go through a number of screens while booting. Once completed scroll to SP and push the bottom enter button. Set your desired relative humidity % and push the bottom enter button once more.

If additional information is needed about programming options refer to our website for a complete list of manuals available.

We hope you enjoy your experience with our Compact Ultra Sonic humidification system. We have put great care into each unit. If you would like specific programming information on how to change display or dipswitch settings, see included humidifier manual.

Feel free to call us with any additional questions.

## **UltraPure Systems**

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