

PM-03IF

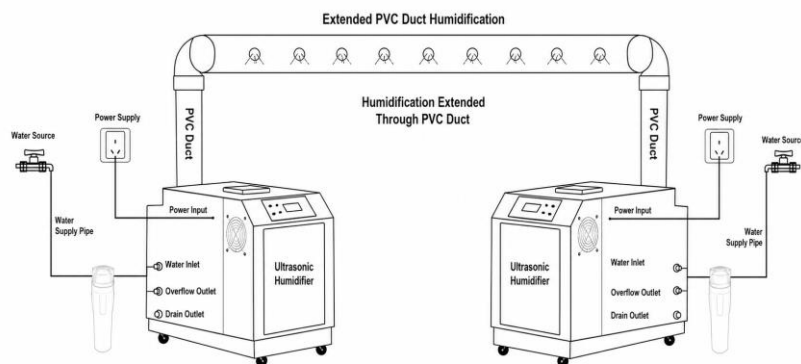
Industrial Ultrasonic Humidifier

Technical Datasheet

1. General Description

The **PM-03IF** is a compact industrial ultrasonic humidifier designed for localized humidity control in workshops, laboratories and industrial equipment. Utilizing high-frequency ultrasonic atomization technology, it generates fine mist efficiently while maintaining low energy consumption. The unit features **intelligent humidity control**, continuously adjustable mist output and **flexible water supply**, making it suitable for reliable long-term operation.

The PM-03IF is suitable for standalone humidification or short-distance ducted humidification applications.



2. Technical Specifications

Item	Specification
Model	PM-031F
Humidification Capacity	3 L/h
Recommended Coverage	30–60 m ² *
Maximum Power Consumption	400 W
Power Supply	AC 220–240 V, 50/60 Hz
Control	Intelligent Humidity Control
Mist Output	Continuously Adjustable
Water Supply	Direct Water Supply & External Water tank
Mist Outlet	1 × Ø110 mm
Recommended Duct	PVC Pipe (Ø110 mm)
Maximum Recommended Duct Length	2–4 m
Dimensions (L × W × H)	620 × 230 × 360 mm
Net Weight	20 kg
Atomizing Heads	1 × 10-head Modules

****Coverage depends on ceiling height, ventilation rate, target humidity and application.***

3. Key Features

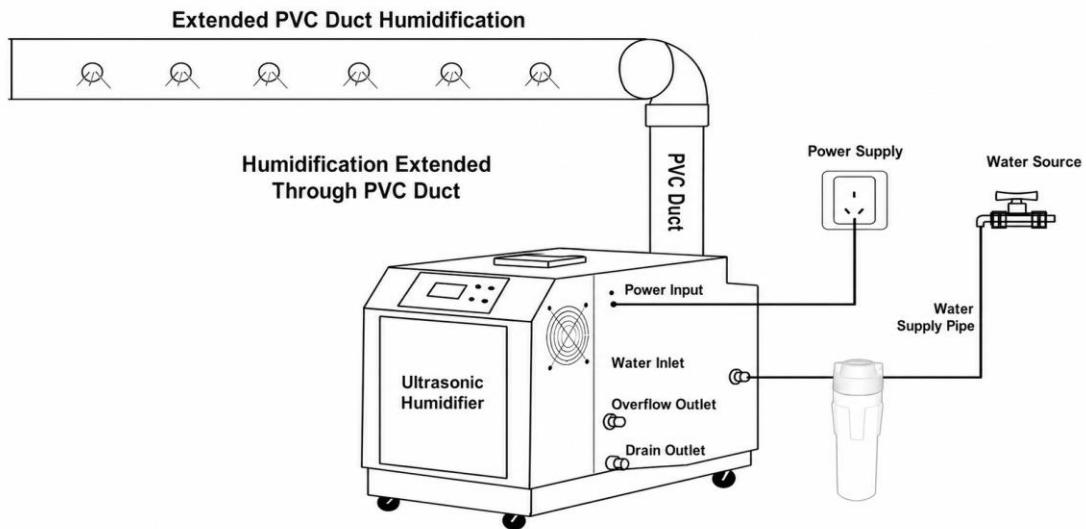
- Intelligent humidity control
- Continuously adjustable mist output
- Flexible water supply
- Compact industrial design
- Stable continuous operation
- Low energy consumption
- Easy maintenance

4. Applications

- Laboratories
- Environmental Test Chambers
- Packaging Equipment
- Printing Equipment
- Electronics Manufacturing
- Small Workshops

5. Installation Notes

- Standard outlet diameter: Ø110 mm
- Standard PVC pipes are recommended for duct installation.
- Keep duct length within the recommended range.
- Avoid unnecessary bends to maintain optimum mist delivery.
- Final installation should be adjusted according to the application.



6. Water Quality

Clean tap water is suitable for most applications.

For better long-term performance and reduced scale buildup, RO water or softened water is recommended where available, especially in hard water areas.

Regular inspection and cleaning are recommended to maintain optimum performance.

Recommended maintenance guidelines:

- Inspect and clean the water tank every 2 weeks, or more frequently if required by the water quality and operating conditions.
- Inspect the atomizing discs regularly and remove mineral scale as required. Hard water may require more frequent inspection and cleaning.
- Clean the atomizing modules using a soft brush and a mild acidic descaling solution.
- During tank cleaning, inspect the water-level components, water inlet, overflow outlet and drain outlet, and remove any blockage or sediment.

7. Engineering Support

For project evaluation, please provide your application, installation method and approximate installation space.

Our engineering team can recommend the appropriate model and installation method according to your application requirements.