

## PM-09IF

### Industrial Ultrasonic Humidifier

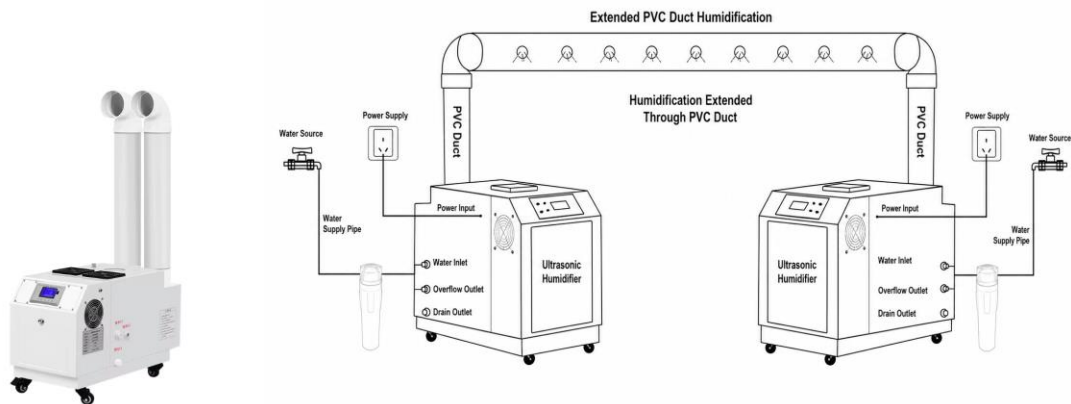
#### Technical Datasheet

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#### 1. General Description

The **PM-09IF** is an industrial ultrasonic humidifier designed for continuous humidity control in commercial and industrial environments. 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 industrial operation.

The PM-09IF is suitable for both standalone humidification and ducted humidification applications.



## 2. Technical Specifications

| Item                            | Specification                             |
|---------------------------------|-------------------------------------------|
| Model                           | PM-091F                                   |
| Humidification Capacity         | 9 L/h                                     |
| Recommended Coverage            | 80–150 m <sup>2</sup> *                   |
| Maximum Power Consumption       | 1200 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                     | 2 × Ø110 mm                               |
| Recommended Duct                | PVC Pipe (Ø110 mm)                        |
| Maximum Recommended Duct Length | 10–13 m                                   |
| Dimensions (L × W × H)          | 720 × 320 × 400 mm                        |
| Net Weight                      | 30 kg                                     |
| Atomizing Heads                 | 2 × 10-head Modules                       |

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

## 3. Key Features

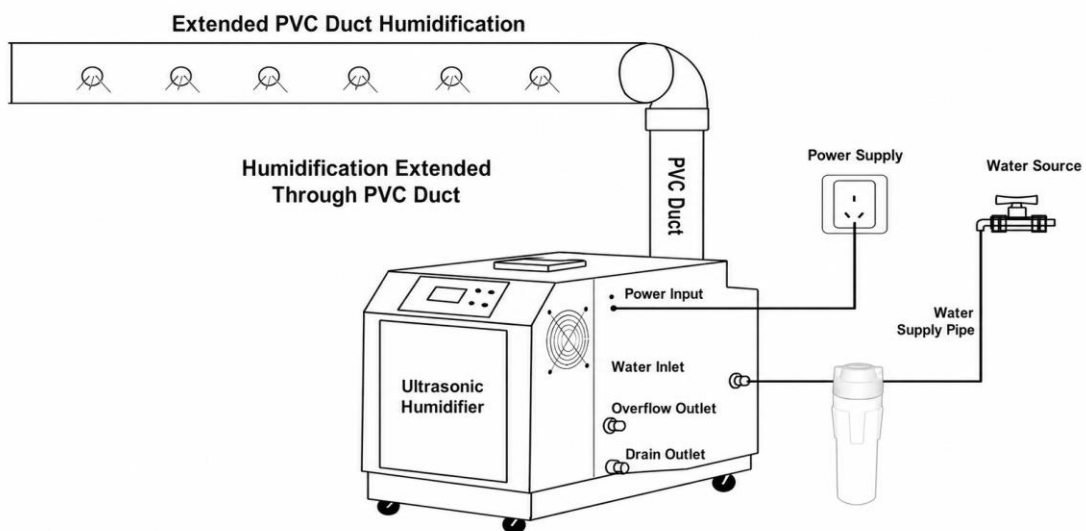
- Intelligent humidity control
- Continuously adjustable mist output
- Flexible water supply
- Stable continuous operation
- Low energy consumption
- Easy maintenance
- Suitable for standalone or ducted humidification systems

## 4. Applications

- Electronics Manufacturing
- Printing & Packaging
- Warehousing
- Textile Industry
- Food Processing
- Greenhouses

## 5. Installation Notes

- Standard outlet diameter: Ø110 mm
- Supports both direct water supply and external water tank operation.
- Standard PVC pipes are recommended for duct installation.
- Reducers may be used if a smaller duct diameter is required.
- Ducts should be installed with a slight slope to allow condensate to return naturally to the humidifier.
- The number, diameter and spacing of outlet holes should be determined according to the workshop layout and humidification requirements.
- Final duct routing should be confirmed based on the actual site layout.



## 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 the atomizing discs regularly. More frequent inspection and cleaning may be required in hard water applications.
- As a general guideline, inspect and clean every 2 months in poor water quality and every 6 months in good water quality.
- Clean the atomizing modules using a soft brush and a mild acidic descaling solution.

## **7. Engineering Support**

For project evaluation, Please provide the workshop layout drawing or the approximate room dimensions (Length × Width × Height).

Our engineering team can provide recommendations on equipment selection, duct arrangement and installation based on your project requirements and workshop layout.