

## Ten-Head PPS Corrosion-Resistant Ultrasonic Atomizer

### Technical Datasheet | Model MS-10P

This module is intended for OEM liquid atomization systems. Select the power supply, tank, and wetted materials for the actual liquid and operating conditions.



### Technical Specifications

| Parameter                               | Specification                                                     |
|-----------------------------------------|-------------------------------------------------------------------|
| Atomizing heads                         | 10                                                                |
| Corrosion-resistant components          | PPS plastic housing; PPS retaining rings; PPS water-level sensor  |
| Atomizing discs                         | Ø25 mm quartz-glass discs                                         |
| Operating frequency                     | 1.7 MHz                                                           |
| DC input                                | 36–50 VDC constant-power range; 24–36 VDC adjustable-output range |
| Current                                 | 6.3–7.9 A                                                         |
| Rated power                             | approximately 340 W at 45 VDC (product label)                     |
| Atomization capacity                    | up to 10 L/h nominal; actual output depends on conditions         |
| Typical droplet size                    | up to 10 µm; depends on operating conditions                      |
| Liquid over-temperature stop / recovery | 40–50 °C / 30–38 °C                                               |
| Disc service interval                   | 3,000–4,000 h, depending on liquid and operating conditions       |
| Dimensions                              | 276 × 81 × 54 mm                                                  |
| Cable                                   | 1.5 m                                                             |
| Matched DC power supply                 | 400 W, supplied by factory; confirm output voltage on unit label  |
| Water-level control                     | PPS capacitive water-level sensor with dry-run protection         |

## Certification and Protection

CE; IP67.

## Use and Compatibility

Use the correct polarity (red positive, black negative). Provide a stable water level, ventilation and regular cleaning. Atomizing discs are consumable parts; reduced output after cleaning may indicate replacement is needed.

Selected dilute aqueous disinfectants below 500 ppm, including quaternary ammonium compounds, chlorine dioxide, hypochlorous acid and sodium hypochlorite. Confirm the exact formulation and concentration, and test a sample under actual conditions before production use.

## Dimension Drawing

