

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 × 82 × 27 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

