

Two-Head PPS Corrosion-Resistant Ultrasonic Atomizer

Technical Datasheet | Model MS-02P

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	2
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
Nominal DC input	36 VDC; 24–36 VDC for adjustable output
Current	1.6 A
Power	approximately 58 W at rated input
Atomization capacity	1.2–2.0 L/h, depending on operating 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	76 × 82 × 27 mm
Cable	1.5 m
Recommended DC power supply	100 W matched power supply, supplied by factory
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

