

Ten-Head 316 Stainless Steel Corrosion-Resistant Ultrasonic Atomizer

Technical Datasheet | Model MS-10S316

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
Housing and retaining rings	Polished 316 stainless steel
Atomizing discs	Ø20 mm corrosion-resistant quartz-glass discs
Operating frequency	1.7 MHz
DC input range	36–56 VDC
Current	5.55–5.9 A
Power	260–285 W, according to source specification
Atomization capacity	5–7 L/h under standard conditions
Mist particle size	1–10 µm
Operating liquid depth	25–40 mm above atomizer surface; approximately 35 mm for finer mist
Liquid over-temperature stop	45–55 °C
Disc service interval	4,000–5,000 h, depending on liquid and operating conditions
Dimensions	273.4 × 69 × 47 mm
Approximate weight	0.97 kg; may vary by batch
Matched DC power supply	400 W, supplied by factory; confirm output voltage on unit label
Cable	1.5 m, 2 × 1 mm ² silicone-insulated copper wire
Water-level control	Mechanical float plus capacitive 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.

Low-concentration disinfectants, saline, tap water and purified water, according to the supplied specification. Confirm the exact formulation and concentration, and test a sample under actual conditions before production use.

Dimension Drawing

