

## 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 <sup>2</sup> 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

