

Sonic Soot Removal System for Boilers

The sonic soot blower utilizes sound waves to dislodge soot and ash buildup in boilers. It prevents fouling, enhances heat transfer, and reduces maintenance downtime.



Overview

Sonic Soot Removal System

The Sonic Soot Removal System is engineered for efficient cleaning of industrial boilers by utilizing high-intensity sound waves to dislodge ash and soot deposits. By preventing fouling and maintaining clean heat exchange surfaces, this system significantly enhances thermal efficiency and reduces costly maintenance downtime. Built with robust materials like stainless steel and titanium alloy, it provides a reliable, long-term solution for demanding industrial environments.

Performance Metrics

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140 db

Sound Intensity

280 Hz

Max Frequency

0.7 MPa

Max Pressure

Technical Specifications

Physical Characteristics

- Weight: <= 87 Kgs
- Protection Rating: IP64
- Service Life: >= 10 years

Materials

Stainless Steel, Titanium Alloy Diaphragm

Operational Parameters

Temperature Limits

Operating Condition	Range
Standard Working	d 350
H-Type Operating	350 - 650
Ambient Temperature	0 - 50

Cleaning Settings

- Cleaning Duration: 1s to 360s
- Cleaning Cycle: 1min to 3600mins

Electrical Specs

AC220V 5A