Pneumatic Acoustic Cleaners Nirafon®

NI250, NI100 and NI60

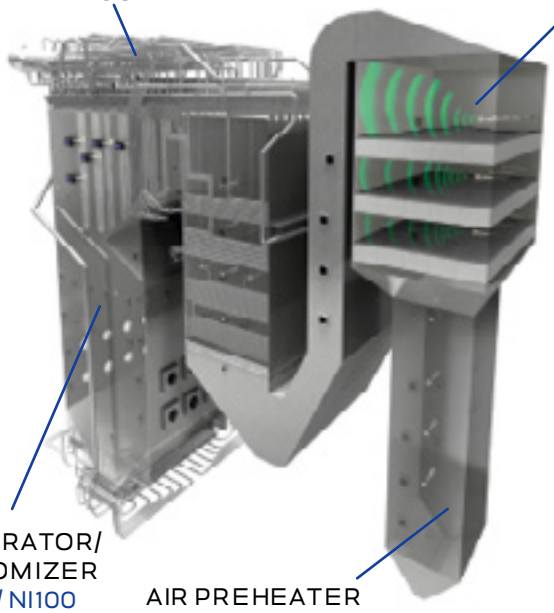
Cost Effective Acoustic Cleaning System

By means of NIRAFON acoustic cleaning, particles in dry form, such as cinder and soot, cement, powder and flour, can be removed from places where they are not desired. Sound travels conically in space and is reflected from the surfaces; consequently, the Nirafon acoustic cleaning system is also effective in fringe areas and around corners.

Usage targets are plants in energy and process industries, i.e. heat transfer surfaces: superheaters, evaporators, economizers and air preheaters, cyclones, ducts, filters and fans. Acoustic cleaning can also

NIRAFON
acoustic cleaning systems

Cost saving acoustic cleaners



ESP
NI60 / NI100

BAG HOUSE
NI100 / NI250

The advantages of the NIRAFON® system:

- Cleaning during process
- Heat transfer and other surfaces to be cleaned stay permanently clean and the process can continue without interruptions, rendering expensive shut-downs unnecessary.
- Also cleans the shadow areas and around the corners
- Acoustic cleaning drastically reduces the use of water at the plant
- Doesn't cause any harm to structures
- No mechanical wear, no corrosion or erosion
- Acoustic cleaners require little space, the maintenance and operating costs are low
- The refund time of the system is short
- A tailor-made plan is always drawn up by Nirafon Oy according to the buyer's need and application

Technical data

	NI250 & NI250-90	NI100 & NI100-90	NI60 & NI60-90
Basic frequency	250 Hz	100 Hz	60 Hz
Sound pressure level	150 dB	150 dB	150 dB
Materials	EN 1.4401 / 1.4404 (AISI 316 / 316L)	EN 1.4401 / 1.4404 (AISI 316 / 316L)	EN 1.4401 / 1.4404 (AISI 316 / 316L)
Compressed Air:			
Compressed air pressure	>6 bar	>6 bar	6 bar
Flow	50 Ndm^3/s	50 Ndm^3/s	50 Ndm^3/s
Consumption	2–20 Nm3/h	2–20 Nm3/h	2–20 Nm3/h
Operation temperature (flue gas temperature)	up to 800°C	up to 1000°C	up to 1000°C

NIRAFON
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