



*Cost Saving  
Acoustic Cleaners*

## Pneumatic Acoustic Cleaners Nirafon® 250-SS, 100-SS and 60-SS

Cost Effective Acoustic Cleaning System



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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 prevent bridging of particles in silos and cyclones.

## 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-SS and 250/90-SS	NI100-SS and 100/90-SS	NI60-SS and 60/90-SS
Frequency	250 Hz	100 Hz	60 Hz
Sound pressure	c. 150 dB	c. 150 dB	c. 150 dB
Material	SS2343/AISI316	SS2343/AISI316/G-X15CrNiSi2520	AISI316
Compressed Air:			
Consumption	6 bar	6 bar	6 bar
Cleaning	c. 20 Ndm3/s	c. 40 Ndm3/s	c. 40 Ndm3/s
Cooling	c. 2 Ndm3/s continuously	c. 2 Ndm3/s continuously	c. 2 Ndm3/s continuously
Operation temperature (flue gas temperature)	up to 800 °C	up to 1000 °C	up to 1000°C
			