

S-Series Shaker

S-Filter Upgrade Option

Enhanced Cleaning, Safer Maintenance and Lower Costs

Nederman's enclosureless, S-Series dust collector is now available with a shaker filter cleaning option that improves system performance and simplifies maintenance. The shaker mechanism cleans the filters more consistently and effectively than manual cleaning techniques resulting in greater machine suction, extended filter life and improved operational safety. The shaker kit is available for new equipment or field retrofits on existing equipment and is available with a manual, mechanical or automatic actuator. The shaker option is ideal for heavy loading applications including fine wood or sawdust, plastic or paper dust applications.

How does it work?

A shaker plate is installed on the dust collector frame with the filter bags threaded through the circular openings.

There are three available actuator control options that initiate the shaker mechanism to clean the bags.



Manual. A handle attached to the shaker plate is manually moved back and forth.



Mechanical. A push-button switch actuates a pneumatic cylinder attached to the shaker plate.



Automatic. Upon fan shut-down, a cleaning sequence is initiated with a pneumatic cylinder attached to the shaker plate.



ShakerPlate



Automatic Control

Safety & Compliance



Meets NFPA 664-2020, 9.3.3.2.6.4 and 9.3.4 (7) for Enclosureless Dust Collector less than 5,000 CFM for Wood Dust.

Meets NFPA 654-2020, 3.3.21 and 9.13.1.1.2 (4) for Enclosureless Dust Collector less than 5,000 CFM for Combustible Solids with added requirements.

Models & Specifications

Model	Actuator Style	Shaker Plate	Plate Supports	Pneumatic Cylinder	Input Power	Compressed Air Supply
S-500	Manual	Included	Included	N/A	N/A	N/A
	Mechanical	Included	Included	Included	208-230/460V/3Ph/60Hz	0.5 SCFM @ 90 psi 3/8" NPT (min)
	Automatic	Included	Included	Included	208-230/460V/3Ph/60Hz	0.5 SCFM @ 90 psi 3/8" NPT (min)
S-750 / S-1000	Manual	Included	Included	N/A	N/A	N/A
	Mechanical	Included	Included	Included	208-230/460V/3Ph/60Hz	0.5 SCFM @ 90 psi 3/8" NPT (min)
	Automatic	Included	Included	Included	208-230/460V/3Ph/60Hz	0.5 SCFM @ 90 psi 3/8" NPT (min)

Accessories

Description	Part Number
Compressed air shut off valve	89101082
Compressed air regulator and filter combo	89101083
Manual to mechanical upgrade kit	89101079
Manual to automatic upgrade (230/460 V)	89101080

Notes

1. Automatic controller is designed to connect standard Nederman starters. Please see wiring schematics for Interlock Connections.
2. Contact Nederman for 575 V power supply options.
3. Compressed air to be dry and oil free (ISO 8573-1: Class 4 for conditioned interior installation, Class 3 for installation with possible risk of frost), Supply pipe should be 1/2" diameter or larger.

Real World Results

A recent study at a woodworking factory in Charlotte, NC, USA produced these findings after the installation of shaker option:

- Up to 40% reduction in filter pressure drop after filter cleaning.
- 8-10% increase in suction power improving dust capture.
- Consistent and effective cleaning results.
- Less operator attention and cleaner waste bag change-outs.

"The extended life of tooling due to improved suction was a major improvement for us."

Engineering Manager in Charlotte, NC, USA
Atlantic Commercial Caseworks.

