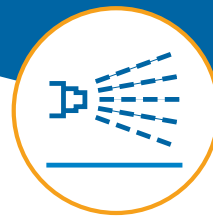


# Nordson® liquid oscillator

## Combines high load capacity, energy efficiency, extended life, and improved productivity in automated liquid coating applications.



The Nordson oscillator for automated liquid coating operations is a 4 – 18 in. (101.6 – 457.2 mm) stroke oscillator for a broad range of liquid coating applications.

It provides a payload capacity of 132 lbs (60 kg) and a maximum stroke speed of 40 cycles per minute. These two features combined enable up to three RA-20 rotary atomizers to be mounted, operating at a higher line speed. As a result, manufacturers benefit from higher performance and maximum productivity on their liquid coating line.

### Simple and unique design for extended life and energy efficiency

Incorporating a simplified design, the Nordson oscillator features a pneumatic cylinder and accumulator counter-balance that results in energy efficiency, low wear, and extended life of all moving parts. The counter-balance results in no drifting of the machine when stopped. The pneumatic cylinder provides air cushioning for the gear box and crank arm resulting in less wear and longer life. This unique design from Nordson translates into less load on the motor — allowing it to run more efficiently and resulting in lower operating costs.

### Easy set-up and operation

The Nordson oscillator is available with an integrated variable speed drive that can be machine mounted or remotely located in the main system control panel, for easy control and adjustment of oscillator stroke speed. Incorporating a plug-and-play design, the Nordson oscillator requires simple connections for quick and easy installation and start-up. It's streamlined mounting bar and clamp design allow for easier set-up and operation, as well as an integrated overall design.

The Nordson oscillator is designed to be installed inside a spray booth and can be utilized with a In/Out Positioner. The positioner is available in either a manual or automatic configuration.



## Technical Specifications

Operating Specifications	
<b>Gun Speed Velocity Range</b>	Minimum: 9 cycles per minute (up and down) @ 20 Hz Maximum: 40 cycles per minute (up and down) @ 88 Hz
<b>Stroke Center Line from Base</b>	75.6 in. (1920 mm) (Without in/out positioner)
<b>Stroke Length Adjustment</b>	4 – 18 in. (100 – 450 mm)
<b>Maximum Payload</b>	132 lb (60 kg) @ 24 in. (610 mm) from gun mounting flange
<b>Ambient Operating Temperature Range</b>	41 – 122° F (5 – 50° C)
<b>Dimensions:</b>	2427 mm H x 754 mm W x 833 mm D (95.6 in H x 29.7 in. W x 32.8 in D)
<b>Enclosure</b>	Explosion-proof, Class I, Group D – Class II, Groups F & G
Compressed Air Requirements	
<b>Supply Pressure</b>	Minimum: 85 psi (5.8 bar) Maximum: 94 psi (6.5 bar)
<b>Air Consumption</b>	Negligible

## Features and Benefits

- **Simple design** for easy operation and maintenance
- **Explosion Proof** for inside the booth installation
- **3 x RA-20 Rotary Atomizer capacity** is ideal for heavy payloads
- **18" (457.2 mm ) maximum stroke** covers a complete range of application requirements
- **Pneumatic counter-balance mechanism** provides energy efficiency and extended life of all moving parts
- **On-board or remote VFD** provides easy speed adjustment



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## Why choose Nordson

In highly competitive manufacturing markets, productivity is vital and performance is essential. That's why we apply both to everything we do, whether it's our products, expertise or outstanding customer service. We'll always be there to help maintain the new standards you've set, with expert service and support delivered through our teams working across the globe.

This unique Nordson approach helps you reach new levels of production, while working more accurately, efficiently and competitively than ever. Precisely why manufacturers who demand quality, can rely on Nordson.

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