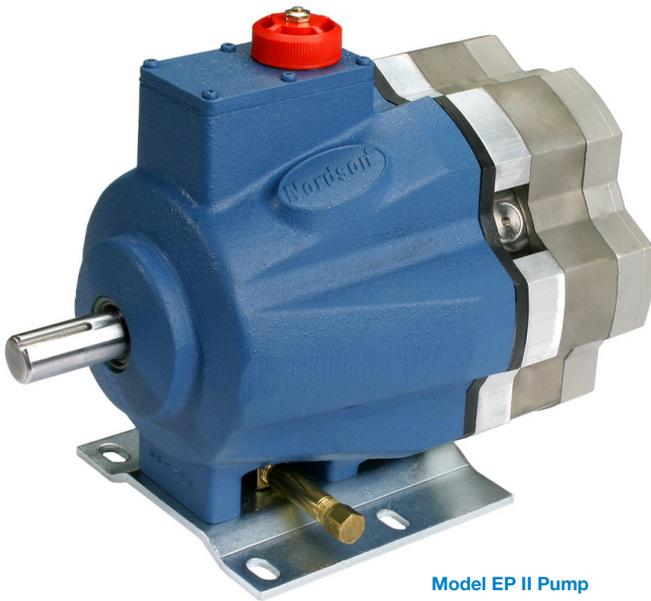


# Model EP II Pumping System

**Pre-assembled, electrically driven, positive displacement pumping system for container coating application.**



Model EP II Pump

The Nordson model EP II pumping system is a versatile, electrically driven system designed for applying various coating material formulations in both heated and unheated circulating delivery systems. Specifically designed for the container industry, the model EP II system supplies constant fluid delivery throughout the pumping operation, providing the optimum performance necessary in high-speed can coating applications.

## Features and Benefits

- **Electrically driven system** – eliminates the need for a compressed air supply for greater efficiency.
- **Fully engineered, ready to use pumping system** – facilitates installation and reduces start-up effort. Additional in-plant system engineering is minimized.
- **Dual diaphragm pistons** – built-in backup provides continuous operation and prevents material contamination in the event of a component failure.



Dual Diaphragm Cartridge

- **Special position control for piston assembly** – controls displacement of diaphragm to prevent failure.
- **Modular component design** – both the drive and pump are engineered as independent units for easy on-line replacement.
- **Back pressure regulator** – assures constant pressure in the system throughout pumping operation.
- **Stainless steel wetted parts** – are corrosion resistant, allowing use of a variety of coating materials.
- **Safety relief valve** – automatically relieves system pressure in the event of an over-pressure condition.
- **Pumping versatility** – coating material can be siphoned directly from a drum or pressure fed from a large supply tank.
- **Experienced, knowledgeable service** – Nordson Container service representatives are focused and dedicated to your needs and requirements. Nordson has over 35 years experience in the can coating industry.



Back Pressure Regulator



# Model EP II Pumping System

## Complete, Pre-Engineered System

The bench-mounted model EP II is a complete circulating-type pumping system that has been pre-engineered for ease of installation. Features include the electric motor and drive, pump, motor starter, fluid pressure gauge, back pressure regulator, valves and hoses.

## Increased Operating Capability

Coating materials can be siphoned directly from a drum or pressure fed from a large supply tank. The model EP II system can supply multiple guns and is capable of producing 1200-psi maximum hydraulic fluid pressure. The EP II pumping system can deliver up to 2 gallons per minute with a 2 horsepower motor. Greater output capacities are also available. It is available in 230V, 3080V, 460V and 575V versions upon request.

## Improved Serviceability

The model EP II pump features easily replaceable cartridge type, dual diaphragms that are constructed of specially engineered, high-performance materials for improved serviceability and longer life. In the event of a component failure, this unique assembly maintains material integrity and provides continuous operation without contamination of the coating material. For corrosion resistance and compatibility with a wider range of coatings, all wetted parts are made of stainless steel. Modular design of both the drive and pump facilitates servicing and maintenance.

## Specifications

<b>System Type</b>	Circulating
<b>Dimensions: Height Width Depth</b>	9.56 in (242.82 mm) 11.75 in (298.45 mm) 7.56 in (192.02 mm)
<b>Weight</b>	50.10 (801.6 oz)
<b>Fluid Pressure</b>	1200 psi (8200 kPa) maximum
<b>Fluid Delivery</b>	2.0 GPM (7.6 l/min.) at 400 RPM
<b>Electrical</b>	230/380/460V, 50/60 Hz, 3 phase (other voltages optional upon request)
<b>Drive Capacity</b>	2.0 horsepower for 2.0 GPM (7.6 l/min.)
<b>Hydraulic Fluid Hose</b>	3/8 in. ID Nordson Reinforced PTFE
<b>Siphon Hose</b>	1/2 in. ID Nordson Nylon
<b>Drain-Off Hose</b>	3/8 in. ID Nordson Nylon

Note: Only Nordson hoses or equivalent PTFE hoses with electrical continuity between fittings can be used with the EP pump. All hoses must be capable of withstanding 3000 psi (20,700 kPa). Pipe cannot be used as a high-pressure circuit.

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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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