High Performance Operation

The model DR pump is designed for increased capacity at higher pressures. Maximum input air pressure is 80 psi. The DR pump is capable if producing 1200 psi hydraulic fluid pressure. It will supply multiple guns and deliver up to two gallons per minute at 45 strokes per minute.

Features and Benefits

- Simple design facilitates quick replacement of air valve and hydraulic packing glands for easy on-line maintenance.
- Dual reciprocating plungers assure constant hydraulic pressure throughout the pumping operation.
- Aluminum and/or stainless steel wetted parts provide corrosion resistance and allow use of a variety of coating materials.
- Improved muffler configuration with production-proven mufflers helps prevent air-valve freezing.
- Overlapping piston-stroke design assures uniform and constant fluid pressure.
- Plastic air accumulator minimizes hydraulic “wink” and will not fill with water or corrode.
- Self-lubricated air motor and air valve provide long service life.
- Air filter/regulator/lubricator module can each be removed independently without disassembly of the entire unit, reducing downtime.

Improved Serviceability

The model DR pump is designed for fast, easy and safe maintenance. Components are simple in design and readily accessible for ease of on-line, routine servicing and reduced downtime. For corrosion resistance and compatibility with a variety of can coating materials, all wetted parts are made of aluminum and/or stainless steel.

The Nordson model DR pump is an air-driven pump for use in the application of waterborne container coating materials and can be used in both heated and unheated delivery systems. Developed specifically for the container industry, the demand-type, dual-piston DR pump maintains constant fluid pressure throughout the pumping cycle to achieve the superior overall performance required in high-speed can coating applications.

Large capacity, air-driven, dual-piston pump engineered for superior performance in high-speed container coating applications.
Model DR Pump

Technical Specifications

<table>
<thead>
<tr>
<th>Dimensions: Height Width Depth</th>
<th>18.5 in. (355 mm) 24 in. (610 mm) 31 in. (840 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>206 lbs. (93.5 kg)</td>
</tr>
<tr>
<td>Minimum Air Supply</td>
<td>½” ID</td>
</tr>
<tr>
<td>Input Air Pressure</td>
<td>80 psi (550 kPa) maximum</td>
</tr>
<tr>
<td>Pressure Feed (if used)</td>
<td>20 psi (138 kPa) maximum</td>
</tr>
<tr>
<td>Fluid Pressure Output</td>
<td>1200 psi (8300 kPa) maximum</td>
</tr>
<tr>
<td>Maximum Fluid Delivery</td>
<td>2.0 GPM at 45 strokes/min. (7.6 l/min.)</td>
</tr>
<tr>
<td>Hydraulic Fluid Hose</td>
<td>¼ in. ID Nordson Reinforced PTFE</td>
</tr>
<tr>
<td>Siphon Hose</td>
<td>½ in. ID Nordson Nylon</td>
</tr>
<tr>
<td>Drain-off Hose</td>
<td>3/8 in. ID Nordson Nylon</td>
</tr>
<tr>
<td>Certifications</td>
<td>ANAB ISO 9001, ATEX/CE</td>
</tr>
</tbody>
</table>

Note: Only Nordson hoses or equivalent PTFE hoses with electrical continuity between fittings can be used with the DR pump. All hoses must be capable of withstanding 3000 psi (20,700 kPa).

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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Performance by design