HPx Series High-Pressure Tool
Operating Manual

HP3cc: #7023590
HP5cc: #7015289
HP10cc: #7012598
**Introduction**

HPx™ tools increase the pressure inside disposable syringe barrels up to seven times. Designed to work with Nordson EFD air-powered dispensers, they produce a maximum dispensing pressure of 700 psi.

**Setup and Operation**

1. Remove reservoir retainer.

2. Install dispensing tip on syringe barrel. Insert filled syringe barrel into retainer and align flange with slot as shown.

   **IMPORTANT:** Confirm that a piston is between the fluid and the plunger.
Setup and Operation (continued)

3. Install retainer and rotate clockwise to secure. Connect HPx to EFD air-powered dispenser. Insert air quick-connect into air outlet and turn clockwise to lock.

Changing Tips
Remove tip retaining cap and invert. Align slot with wings on dispensing tip. Turn tip retaining cap counterclockwise to remove tip. Attach a new tip and tighten tip retaining cap securely.

Changing Reservoirs
When a syringe barrel is empty, the window in the air cylinder will turn red. Remove syringe barrel retainer. Then, remove empty syringe barrel and discard.

**NOTE:** Refer to Nordson EFD dispenser operating instructions to control deposit size with time and pressure.

**Do not reuse syringe barrels!** Wipe plunger clean (if necessary) before installing a new reservoir.
Troubleshooting and Parts List

If the HP should cease to operate, service of the piston U-cup and shaft bushing may be required. Please follow procedure below:

1. Remove air cylinder cap.
2. Remove drive plunger.
3. Remove piston and shaft assembly. Replace piston U-cup and lubricate lightly with O-ring grease.
4. Press shaft bushing out from bottom of cylinder toward piston chamber. Replace with new bushing.
5. Install piston assembly and reinstall the air cylinder cap and drive plunger.

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<tr>
<th>Size</th>
<th>Drive Plungers</th>
<th>Piston &amp; Shift</th>
<th>Piston Seal</th>
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<tr>
<td>HP3cc</td>
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<td>HP5cc</td>
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Drive plunger U-cup (Buna-N)
Piston and shaft includes U-cup (Buna-N)