

HPx Series High-Pressure Tool

Operating Manual



HP3cc: #7023590

HP5cc: #7015289

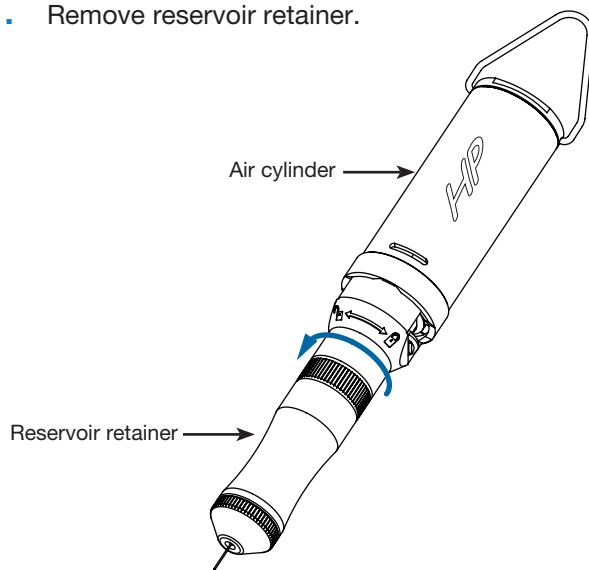
HP10cc: #7012598

Introduction

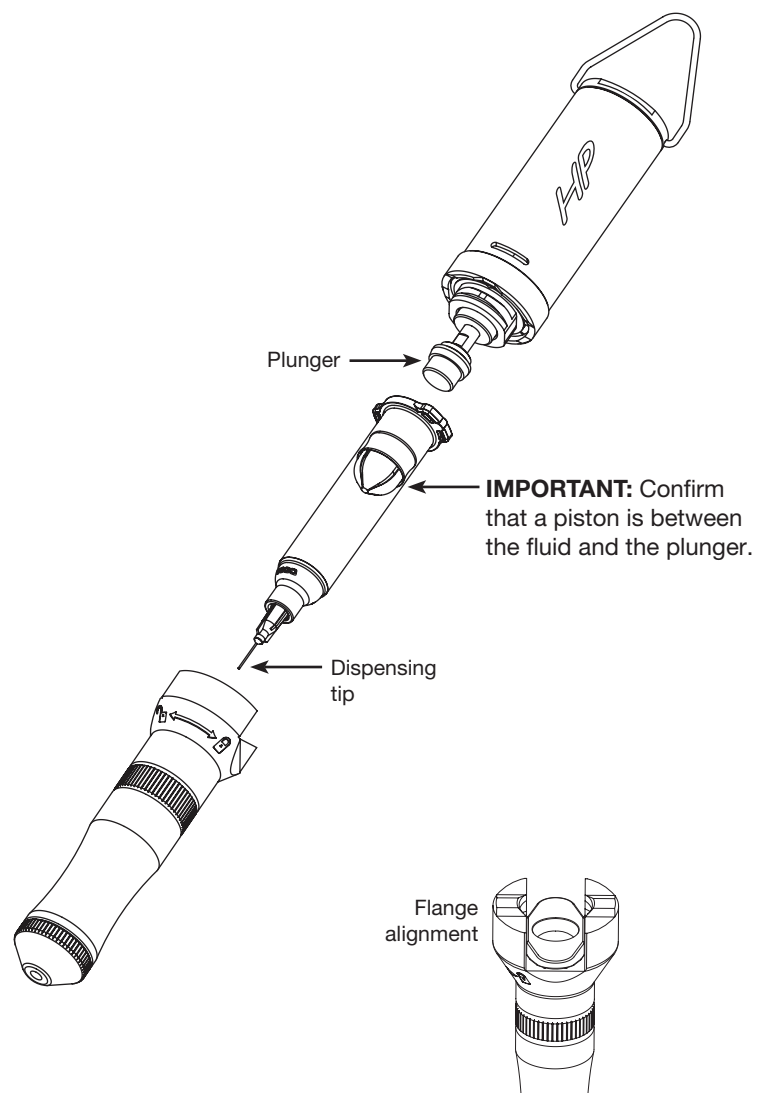
HPx™ tools increase the pressure inside disposable syringe barrels up to seven times. Designed to work with Nordson EFD air-powered dispensers, they produce a maximum dispensing pressure of 700 psi.

Setup and Operation

1. Remove reservoir retainer.

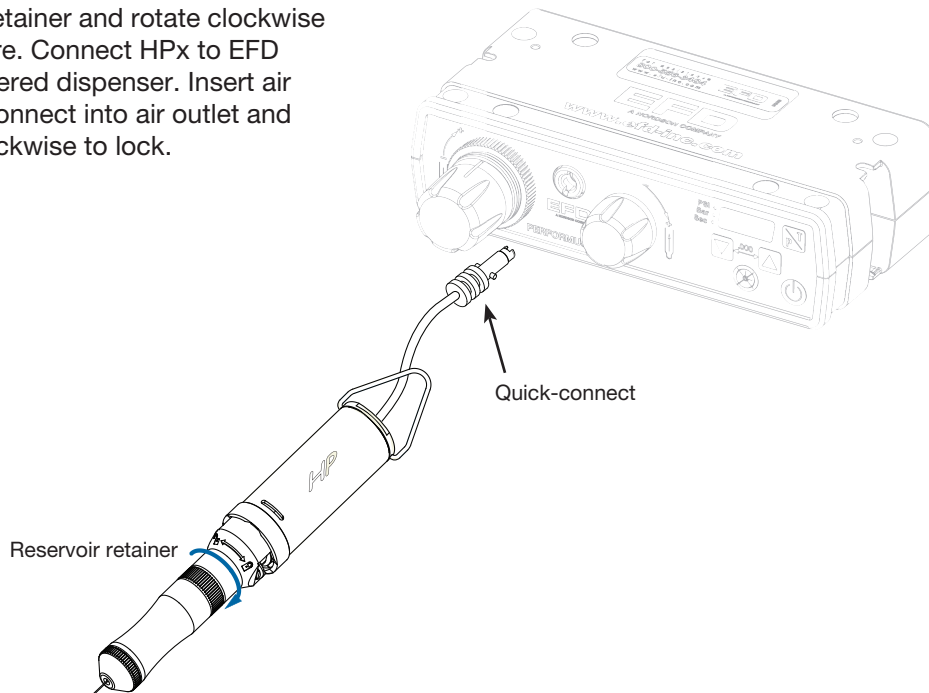


2. Install dispensing tip on syringe barrel. Insert filled syringe barrel into retainer and align flange with slot as shown.



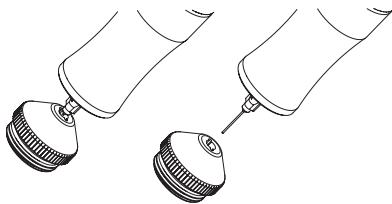
Setup and Operation (continued)

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.

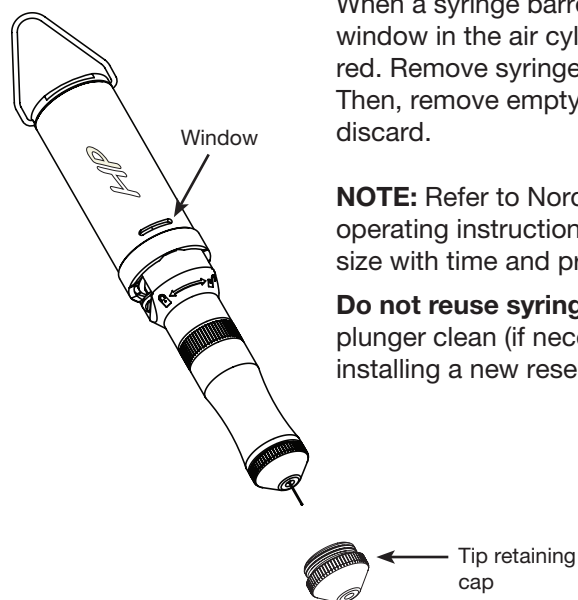


Changing Reservoirs

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.

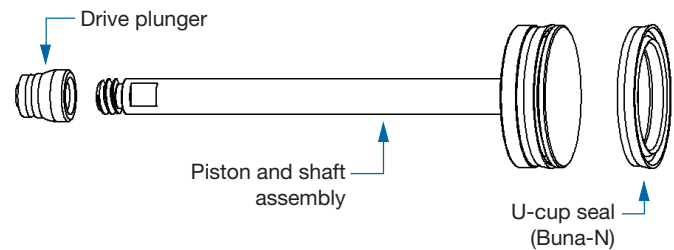
Do not reuse syringe barrels! Wipe plunger clean (if necessary) before installing a new reservoir.



Troubleshooting and Replacement Parts

If the HP stops operating, follow this procedure to replace the U-cup seal.

- 1. Remove the air cylinder cap.
- 2. Remove the drive plunger.
- 3. Remove the piston and shaft assembly.
- 4. Replace the piston U-cup seal, lightly lubricating the new seal with O-ring grease.
- 5. Reinstall the piston and shaft assembly, drive plunger, and air cylinder cap.



Size	Drive Plunger	Piston and Shaft Assembly and U-Cup Seal
HP3cc	7015986	7365946
HP5cc	7015987	7365947
HP10cc	7015988	7365948



For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to www.nordsonefd.com.

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