

# HPx Series High-Pressure Tool

## Operating Manual



HP3cc: #7023590

HP5cc: #7015289

HP10cc: #7012598

Electronic pdf files of Nordson EFD manuals are also available at [www.nordsonefd.com](http://www.nordsonefd.com)

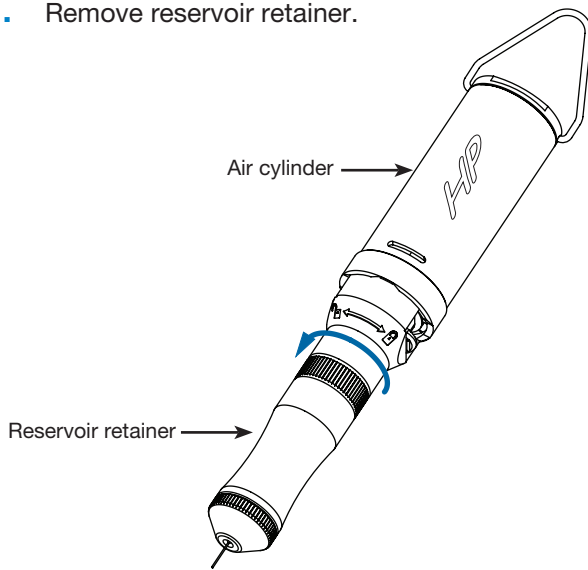


## Introduction

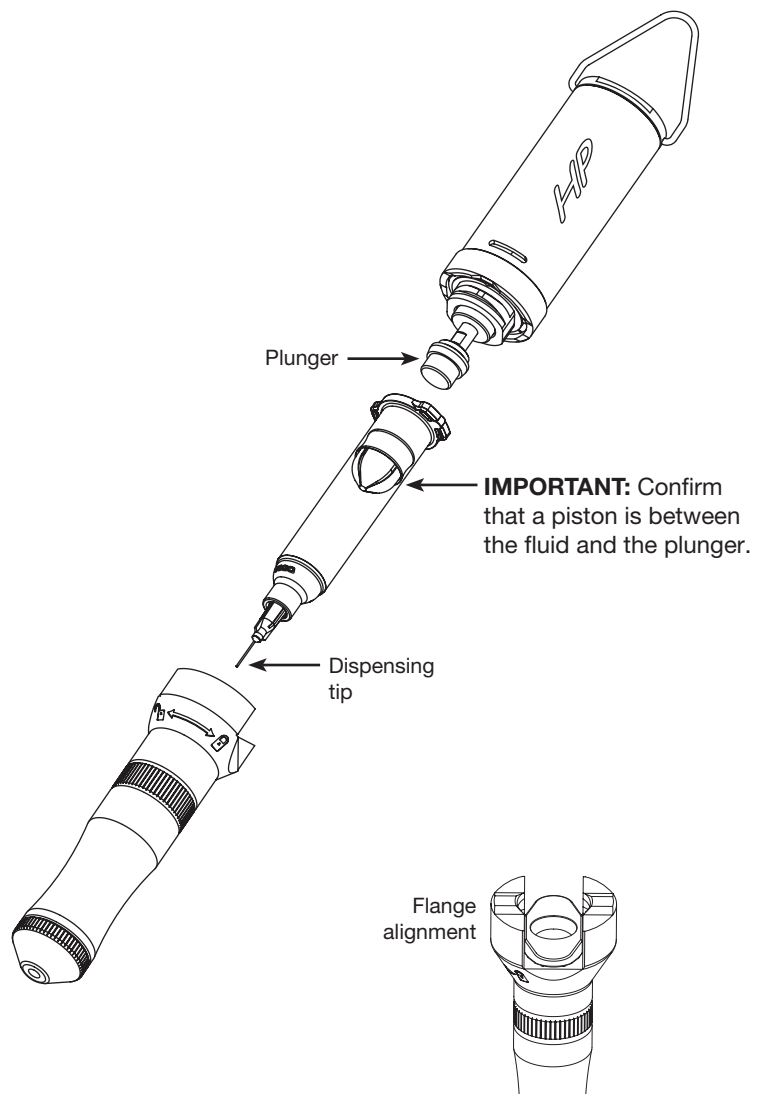
HPx™ tools increase the pressure inside disposable syringe barrels up to seven times. Designed to work with Nordson EFD air-powered dispensers, they produce a maximum dispensing pressure of 700 psi.

## Setup and Operation

1. Remove reservoir retainer.

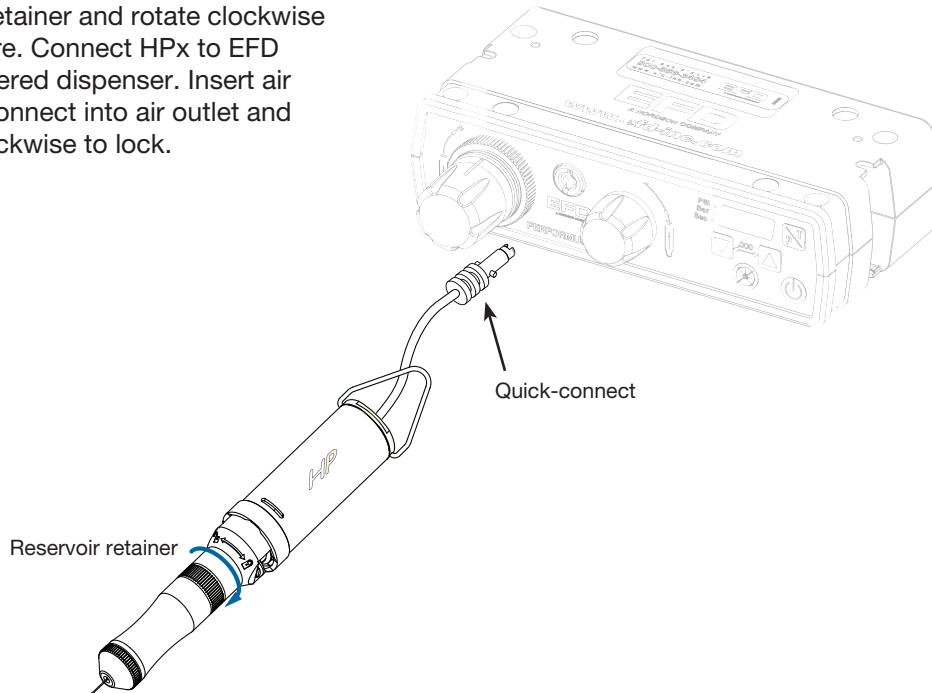


2. Install dispensing tip on syringe barrel. Insert filled syringe barrel into retainer and align flange with slot as shown.



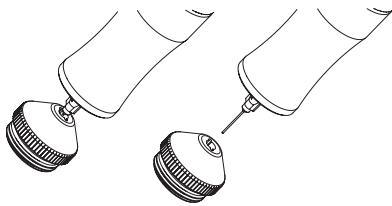
## Setup and Operation (continued)

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.

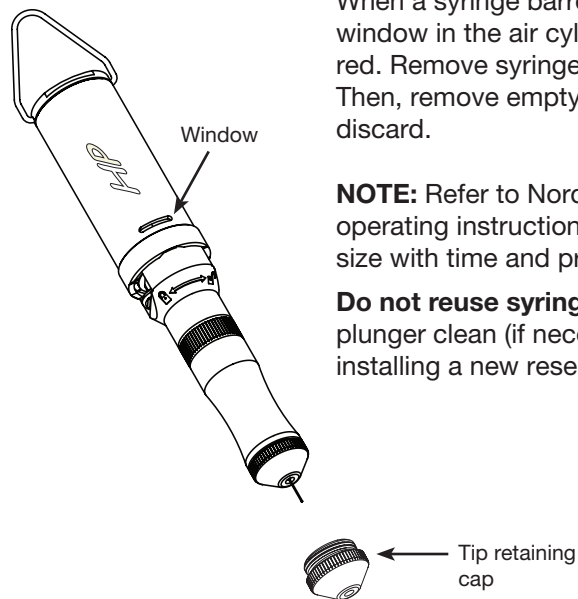


## Changing Reservoirs

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.

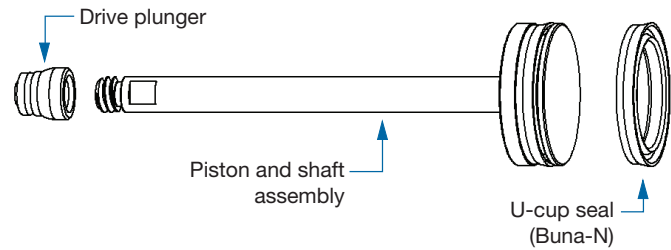
**Do not reuse syringe barrels!** Wipe plunger clean (if necessary) before installing a new reservoir.



# 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](http://www.nordsonefd.com).

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