

Prodigy® Generation III High Flow Upgrade

Compatibility with Prodigy Generation III products requires an upgrade of the pump manifold assembly. The upgrade increases the size of the restrictor orifice allowing air flow to reach 4 CFM.

Replacing the Restrictor Orifice to High Flow



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.



WARNING: Turn off power and remove all air pressure to the manifold.

1. Turn off the power and remove all air pressure to the manifold.

NOTE: See Figure 1. Before removing the label around the location of the holder, record and save all information on the calibration label for future use.

2. Remove the calibration label from around the location of the holder on the back of the pump manifold.
3. See Figure 2. Using a spanner wrench, loosen the fitting on the right side of the manifold and remove the holder from the manifold.

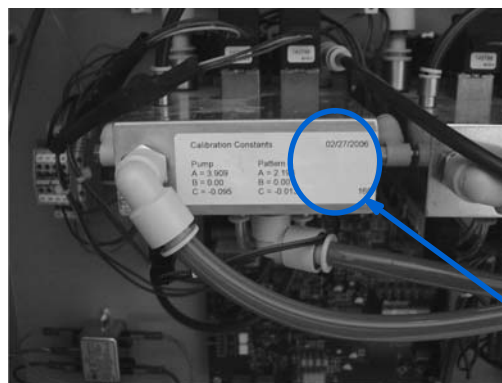


Figure 1 Location of Restrictor Orifice Holder

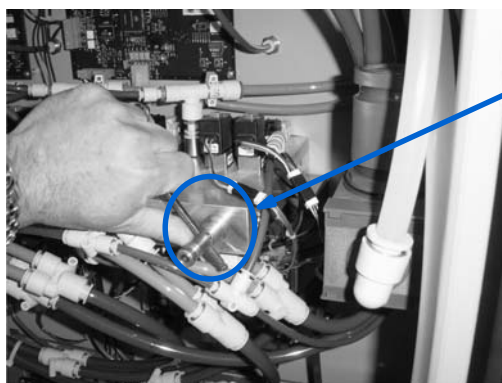


Figure 2 Remove Holder from Manifold

2 Prodigy Generation III High Flow Upgrade

- See Figure 3. Remove the aluminum restrictor plate and replace it with the brass restrictor plate.
- Install the holder into the manifold and tighten.
- Turn on the air supply.
- Turn on the power.

NOTE: The actual air supplied to the spray nozzle will be two times greater than what is shown on the iControl®.

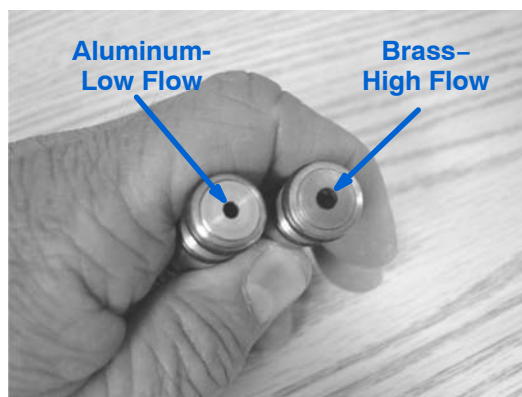


Figure 3 Low Flow and High Flow Restrictor Plates

Adjust Calibration

- On the Spray Gun Controller, point to **CALIBRATION** and press ↵.
- See Figure 4. Change the *Pattern Error Flow* for A to 4.

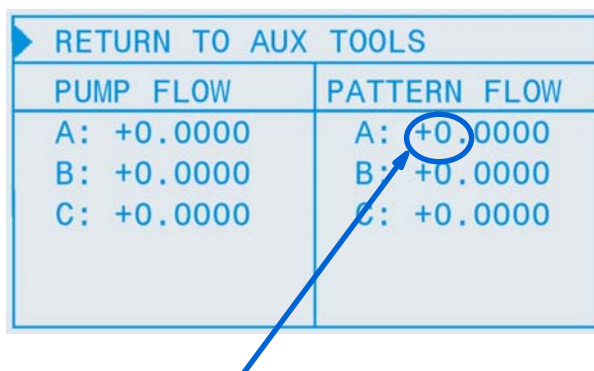


Figure 4 Calibration Screen

Parts

Prodigy Generation III High Flow Upgrade Kit

To order parts, call the Nordson Finishing Customer Support Center at (800) 433-9319 or contact your local Nordson representative.

Part	Description	Quantity
1101634	KIT, upgrade, high flow, Prodigy, Gen III	1
-----	• ORIFICE, 0.140 diameter, brass	1

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