

You have selected a reliable, high quality Atlas™ 2K Piston Inserter from Nordson EFD, the world leader in fluid dispensing. This equipment was designed specifically for inserting EFD AF™ Air Free Pistons into EFD 2-component (2K) cartridges and will provide you with years of trouble-free, productive service.

This manual will help you maximize the usefulness of your new equipment.

Please spend a few minutes to become familiar with the controls and features. Follow our recommended testing procedures. Review the helpful information we have included, which is based on more than 50 years of industrial dispensing experience.

Most questions you will have are answered in this manual. However, if you need assistance, please do not hesitate to contact EFD or your authorized EFD distributor. Detailed contact information is provided on the last page of this document.

The Nordson EFD Pledge

Thank You!

You have just purchased the world's finest precision dispensing equipment.

I want you to know that all of us at Nordson EFD value your business and will do everything in our power to make you a satisfied customer.

If at any time you are not fully satisfied with our equipment or the support provided by your Nordson EFD Product Application Specialist, please contact me personally at 800.556.3484 (US), 401.431.7000 (outside US), or Tara.Tereso@nordsonefd.com.

I guarantee that we will resolve any problems to your satisfaction.

Thanks again for choosing Nordson EFD.

A stylized, handwritten signature of Tara Tereso in black ink.

Tara Tereso, Vice President

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Safety and Specifications

Safety

- Always wear safety glasses
- Wear all Personal Protective Equipment suggested by the material manufacturer
- Keep hands free of the funnel block
- Do not attempt to bypass the hand actuators
- Do not operate without safety guard in place
- Disconnect air before servicing
- Only one person at a time should operate this equipment

Specifications

Input air: 6.9 bar (100 psi)
6.5 SCFM
Max. fill differential — 3/16"

Sound level: Less than 70 db (A)

EC Declaration of Conformity

Manufacturer's Name: Nordson EFD LLC

Manufacturer's Address: 40 Catamore Boulevard,
East Providence, RI 02914 USA

Representative in the Community: European Technical Manager
EFD International Inc.
Unit 14 Apex Business Centre
Dunstable, Bedfordshire LU5 4SB
United Kingdom

Type of Equipment: Piston Insertion Equipment (7015502, 7015503)

Product Name (model / part number): Atlas 2K Piston Inserter

Application of Council Directive(s): Machinery Directive 2006/42/EC

Safety Guidelines to which Conformity is Declared: EN 983:1996

Certification of Compliance

Nordson EFD LLC Piston Insertion Equipment is 100% inspected and tested to assure that each one we produce complies with our demanding quality standards.

Your satisfaction is guaranteed.

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s) and Standard(s).

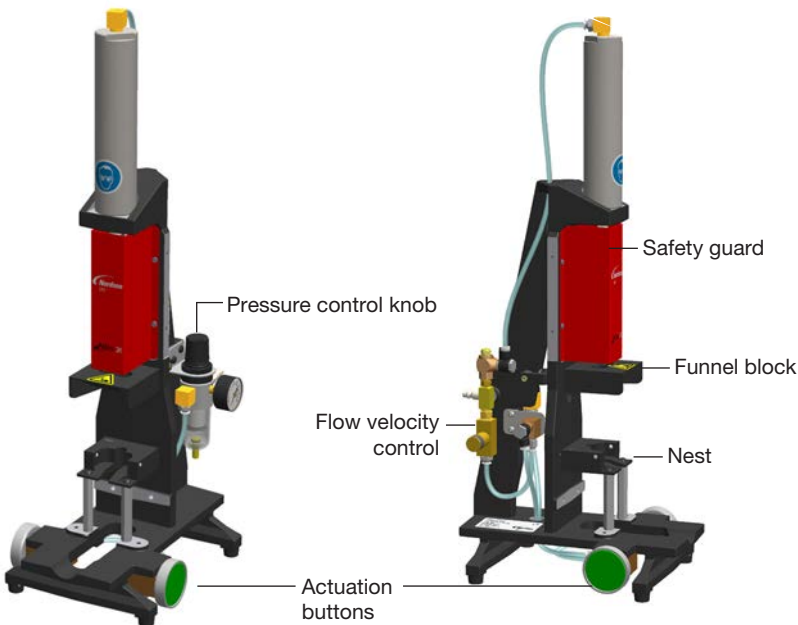


Place: USA
Wayne Burkett
Date: December 2009

Wayne Burkett

Wayne Burkett
Director of Operations

Setup



The Atlas 2K Piston Inserter was specifically designed for ONE operator to insert EFD AF Air Free pistons into EFD 2-component (2K) cartridges. During operation, a filled cartridge is placed in a nest underneath a block loaded with two pistons. Simultaneously pressing the two actuators causes a pneumatic cylinder to descend and press the pistons onto the cartridge.

NOTE: The Atlas 2K Piston Inserter is designed to insert EFD pistons into EFD cartridges, and should never be used for any other purpose.

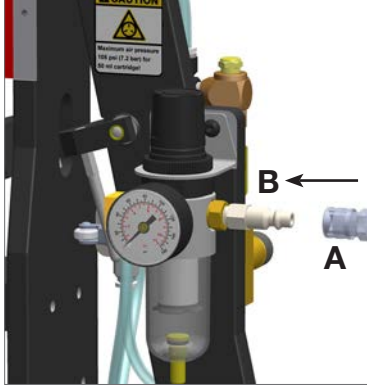
1. Place the unit on a hard, level surface.

NOTE: The 200 mL unit is preconfigured for use with closed end cartridges. If using open end cartridges, follow these steps:

- Use a 4 mm hex wrench to remove the two screws securing the nest to the standoffs.
- Turn the nest over and insert the pins on the edge of the nest into the holes in the frame.
- Insert the two screws through the holes in the nest and into the standoffs, then tighten.
- Turn the support cap counterclockwise and remove it from the bottom side of the support bar. Insert the support cap into the top of the support bar by turning clockwise until tight. (The cap can be returned to the underside of the support bar for storage when using closed end cartridges.)

Continued on next page

Setup (continued)



2. Obtain an appropriate air input hose. Attach a quick-connect fitting (A) that conforms to ANSI 73.20.14, ISO 6150/B, and MIL-C-4109 to one end of the hose, then attach this fitting to the air pressure regulator fitting (B) on the Atlas 2K.
3. Install an appropriate fitting on the other end of the air input hose and connect it to the plant air supply.
4. Pull the pressure control knob upward to unlock it, then turn the knob clockwise until the air pressure gauge reaches 5.5 bar (80 psi). Press the knob down to lock it in place.

WARNING

To prevent bursting, do not set the pressure regulator higher than 7.2 bar (105 psi) when using 50 mL cartridges.

5. Turn the flow velocity control 2 turns counterclockwise from the fully closed position.

Safety / Operation Test

WARNING

The Atlas 2K Piston Inserter uses dual hand actuators to trigger the piston insertion cycle. To ensure operator safety, do not attempt to bypass the hand actuators or use another triggering device.

Test the hand actuators for safety and proper operation as follows:

- With no cartridge installed, press both actuators simultaneously. The plungers should not descend.

Insert the cartridge used to hold the funnel block in position during shipment.

Verify that the cartridge is properly seated in the nest:

- Press the right hand actuator — the plungers should not descend.
Press the left hand actuator — the plungers should not descend.
- With the cartridge installed, press both actuators — the plungers should descend.

Installing Pistons

- With the black plug facing down, carefully insert a piston into each of the two holes in the funnel block. The face of each piston should be flush with the top surface of the funnel block.
- Use the top of the filled cartridge to lift the funnel block and push the cartridge straight back until it rests securely in the nest and the funnel block drops onto the cartridge flange.
- Press and hold both hand actuators simultaneously to lower the plungers and push the pistons into the cartridge.
- Release the actuators when the plungers have stopped moving. Holding the buttons in longer will not damage the cartridge or pistons.
- Verify that the black plug is flush with the surface of the piston. If it is not flush, increase the velocity by turning the flow velocity control counterclockwise, then verify the results.



Part Numbers

Part #	Description
7015502	50 mL 2K piston inserter
7015503	200 mL 2K piston inserter
7362105	300 mL 2K piston inserter

Replacement Parts

Part #	Description
7015642	Kit, rebuild, rocker, 50 mL, major
7015643	Kit, rebuild, rocker, 200 mL, minor
7015644	Kit, rebuild, rocker, 200 mL, major
7015645	Kit, pivot rebuild, Atlas 2K
7015646	Kit, plunger, piston, 50 mL
7015647	Kit, plunger, piston, 200 mL
7015648	Kit, guide, piston, 50 mL, 1:1
7015649	Kit, guide, piston, 200 mL, 1:1
7015654	Kit, cylinder, single act bore, 1.75 stroke 3

NORDSON EFD ONE YEAR LIMITED WARRANTY

This Nordson EFD product is warranted for one year from the date of purchase to be free from defects in material and workmanship (but not against damage caused by misuse, abrasion, corrosion, negligence, accident, faulty installation, or by dispensing material incompatible with equipment) when the equipment is installed and operated in accordance with factory recommendations and instructions.

Nordson EFD will repair or replace free of charge any defective part upon authorized return of the part prepaid to our factory during the warranty period. The only exceptions are those parts which normally wear and must be replaced routinely, such as, but not limited to, valve diaphragms, seals, valve heads, needles, and nozzles.

In no event shall any liability or obligation of Nordson EFD arising from this warranty exceed the purchase price of the equipment.

Before operation, the user shall determine the suitability of this product for its intended use, and the user assumes all risk and liability whatsoever in connection therewith. Nordson EFD makes no warranty of merchantability or fitness for a particular purpose. In no event shall Nordson EFD be liable for incidental or consequential damages.

This warranty is valid only when oil-free, clean, dry, filtered air is used, where applicable.



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

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