

DispensGun®

The DispensGun® and components are manufactured by Nordson EFD in the U.S.A.

The DispensGun® is easy to use and requires no special techniques.

The amount dispensed is controlled by the squeeze of the trigger and the size of the dispensing tip (larger tip, more flow).

When the trigger is released, the plunger retracts away from the reservoir piston, and dispensing stops.

Follow this step-by-step guide to begin using your new DispensGun.



To order the DispensGun:

3cc #7023133

5cc #7023137

10cc #7023125

30cc #7023134

55cc #7023141

The unique DispensGun
simplifies application of
medium to high viscosity fluids.

It is very easy to use and less
fatiguing than other manual
applicators.

This manual is for the express and sole use of Nordson EFD
DispensGun purchasers and users, and no portion
of this manual may be reproduced in any form.

Features

- Rugged construction provides years of use.
- Designed specifically for use with the Optimum® System components to eliminate drooling or dripping of fluids.
- Adjustable trigger fits all hand sizes.

Specifications

Handle and Trigger: Metal castings with black epoxy finish

Drive Rod, Selector Button, Hardware: Stainless steel

Barrel Adapter: High-strength acetal polymer

Drive Plunger: Aluminum

Weight (gun only): 311 grams (11 oz)

Safety

Tests demonstrate that the DispensGun is fail-safe. With energetic use of the trigger, in excess of 200 psi (13.8 bar), and a clogged or sealed tip, the barrel ears may break. If this occurs, the barrel merely falls off, with no sudden or dangerous expulsion of either the barrel or fluid.

Filling Dispensing Barrels

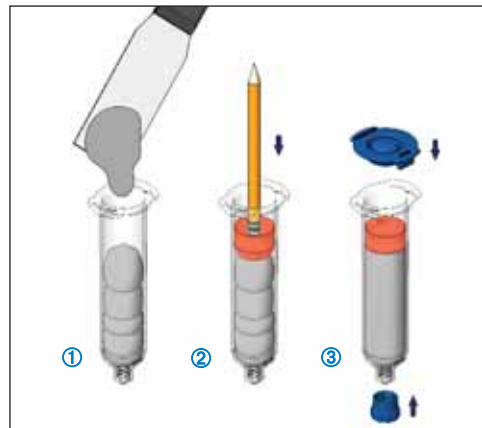
- ① Fill barrel, leaving required empty space as shown on Barrel Fill Level chart below.
- ② Insert piston. A piston must always be used when operating the DispensGun.
- ③ Put on the blue tip cap and blue end cap to provide an airtight storage seal.

You may be using prepackaged barrels supplied by your distributor. Nordson EFD packages several fluids, including solder mask, thermal heat sink compound, solder paste and grease. Call +1-401-431-7000 for more information on these packaged fluids.

NOTE: Red pistons are recommended for use with the DispensGun.

Warning

If a dispensing tip becomes clogged, do not attempt to clear it by forcing the trigger. This may damage the DispensGun or tip. Replace the clogged tip.



Barrel Fill Level

| | | |
|------|--------|-------|
| 3cc | 1.3 cm | 0.5" |
| 5cc | 1.9 cm | 0.75" |
| 10cc | 1.9 cm | 0.75" |
| 30cc | 1.9 cm | 0.75" |
| 55cc | 1.9 cm | 0.75" |

Operating the DispensGun

- ① Gently squeeze trigger and move selector button to **R**.
- ② Pull out drive rod as far as it will go.
- ③ Set hand grip by squeezing trigger and moving selector button to **2** or **1**.
- ④ Attach barrel to gun. Twist the barrel until it locks. If you turn past the locked position, the barrel will come out.
- ⑤ Remove tip cap and attach dispensing tip.
- ⑥ Turn drive rod knob until teeth face down and trigger mechanism is engaged (arrow on back of knob points down). Push drive rod until plunger touches piston.



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②



③



④



⑤



⑥

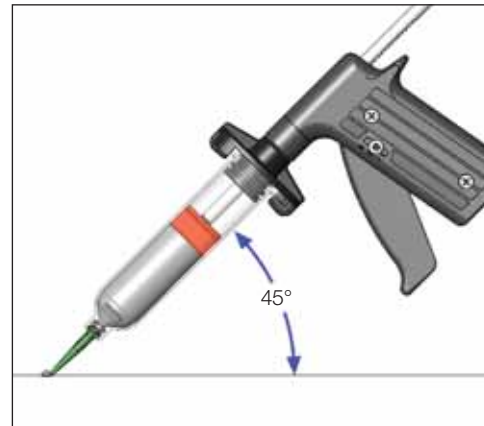
- ⑦ You are now ready to dispense. Squeeze the trigger gently until fluid flows. You control the amount. When trigger is released, dispensing stops.
- ⑧ When finished, remove empty barrel and discard. Barrels that are not empty can be sealed with tip caps for future use.

For best results: Hold the DispensGun with the tip at a 45° angle in contact with the work surface. Use the Test Sheet to practice dots and stripes.

Note: To ensure no-drip performance, the drive rod retracts after each deposit to relieve pressure on the piston. After several deposits, advance the drive rod by pushing the black knob forward, then continue dispensing.

Cleaning the DispensGun

Inspect the drive plunger and wipe clean if necessary. Clean the gun surfaces with household or other mild, nonabrasive cleaners. Do not use solvents.



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NOTE: EFD components are recyclable. Check with your local authorities concerning dispense residue.

List of Fluids

- silicones
- sealants
- RTV materials
- greases
- thick oils
- silver, gold, copper pastes
- solder paste
- particle-filled epoxies
- viscous adhesives
- organic cements
- stop-off fluids
- potting compounds
- paste flux
- brazing pastes
- uv-cure pastes

Types of Fluids to Dispense

All viscous, non-leveling fluids are ideal for easy application with the DispensGun.

If you have a problem...

Fluid doesn't flow.

Check to be sure the drive rod knob is pushed forward.

Check if tip is clogged. Do not attempt to dispense further. Replace with a new tip.

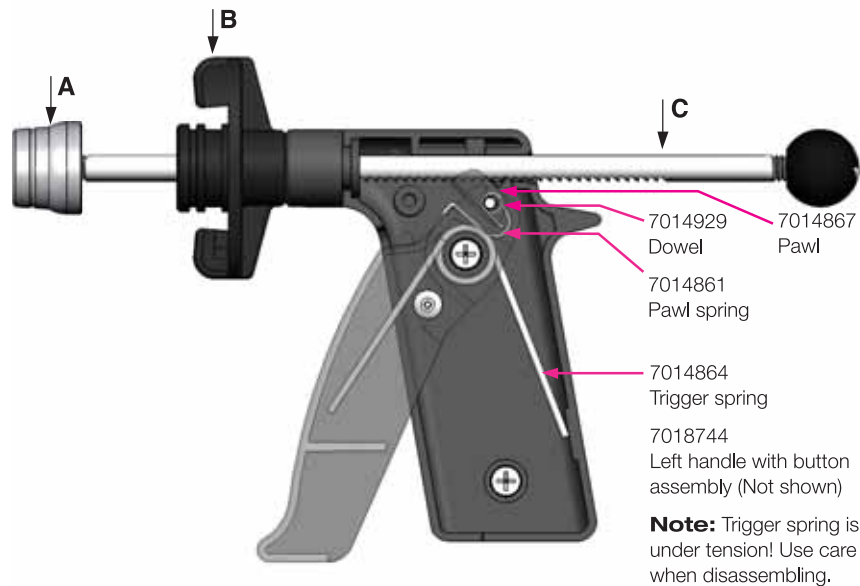
Fluid seeps around the piston.

The tip may be clogged and the squeeze pressure is forcing the fluid past the piston. Replace the tip.

You need more deposit control.

Use a different size dispensing tip. Smaller size for less flow. Larger size for more flow.

Replacement Parts



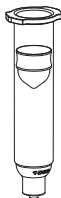
Important: Trigger must be in **R** position during disassembly and assembly.

| A Drive Plunger | |
|--------------------|---------|
| size | part # |
| DG3 | 7015967 |
| DG5 | 7015966 |
| DG10 | 7015965 |
| DG30 | 7015964 |
| DG55 | 7015964 |
| B Adapter | |
| size | part # |
| DG3 | 7018732 |
| DG5 | 7018729 |
| DG10 | 7018730 |
| DG30 | 7018731 |
| DG55 | 7018731 |
| C Drive Rod & Knob | |
| size | part # |
| DG3 | 7018754 |
| DG5 | 7018721 |
| DG10 | 7018719 |
| DG30 | 7018718 |
| DG55 | 7018755 |

DispensGun Accessories

Barrels/pistons: Each box contains the same quantity of clear barrels and red pistons.

| part # | description |
|---------|-----------------------------|
| 7014103 | (50) sets for 3cc size gun |
| 7012098 | (40) sets for 5cc size gun |
| 7012116 | (30) sets for 10cc size gun |
| 7012138 | (20) sets for 30cc size gun |
| 7015450 | (15) sets for 55cc size gun |



Barrel end caps: Snap-on caps ensure sealing of filled barrels for storage.

| part # | size | qty/box |
|---------|------------|---------|
| 7012190 | 3cc | (50) |
| 7012192 | 5cc | (40) |
| 7012194 | 10cc | (30) |
| 7012196 | 30cc, 55cc | (20) |



Barrel tip caps: Tip caps seal syringe barrels. One size fits all barrels.

| part # | qty/box |
|---------|---------|
| 7012198 | (50) |



Smooth-flow tapered tips:

Molded polyethylene. (50) tips per box.

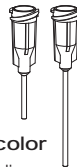
| tapered | gauge | ID | | color |
|---------|-------|------|------|-------|
| | | mm | inch | |
| 7018052 | 14 | 1.54 | .060 | olive |
| 7018100 | 16 | 1.19 | .047 | grey |
| 7018158 | 18 | 0.84 | .033 | green |
| 7005009 | 20 | 0.61 | .023 | pink |
| 7018298 | 22 | 0.41 | .016 | blue |
| 7018391 | 25 | 0.25 | .010 | red |



Precision stainless steel tips:

Color-coded polypropylene hubs. 12.7 mm (0.50") and 25.4 mm (1.0") free lengths. (50) tips per box.

| 12.7 mm (0.50") | | 25.4 mm (1.0") | | gauge | ID | | color |
|-----------------|---------|----------------|------|-------|-------|------|-------|
| | | | | | mm | inch | |
| 7018043 | 7018032 | 14 | 1.54 | .060 | olive | | |
| 7018068 | 7018059 | 15 | 1.36 | .053 | amber | | |
| 7018122 | 7018110 | 18 | 0.84 | .033 | green | | |
| 7018178 | 7018166 | 20 | 0.61 | .024 | pink | | |



DispensGun stand:

Convenient way to hold or store the DispensGun. Made of heavy gauge wire. **part #7023958**



Molded field carrying case

Protects the DispensGun. **part #7023956**

Illuminator™ Rugged flashlight attachment. Batteries included. **part #7023957**



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The DispensGun is patented by Nordson EFD. Patent #5,022,563.
 The wave design is a trademark of Nordson Corporation.
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