

# DispensGun<sup>®</sup>

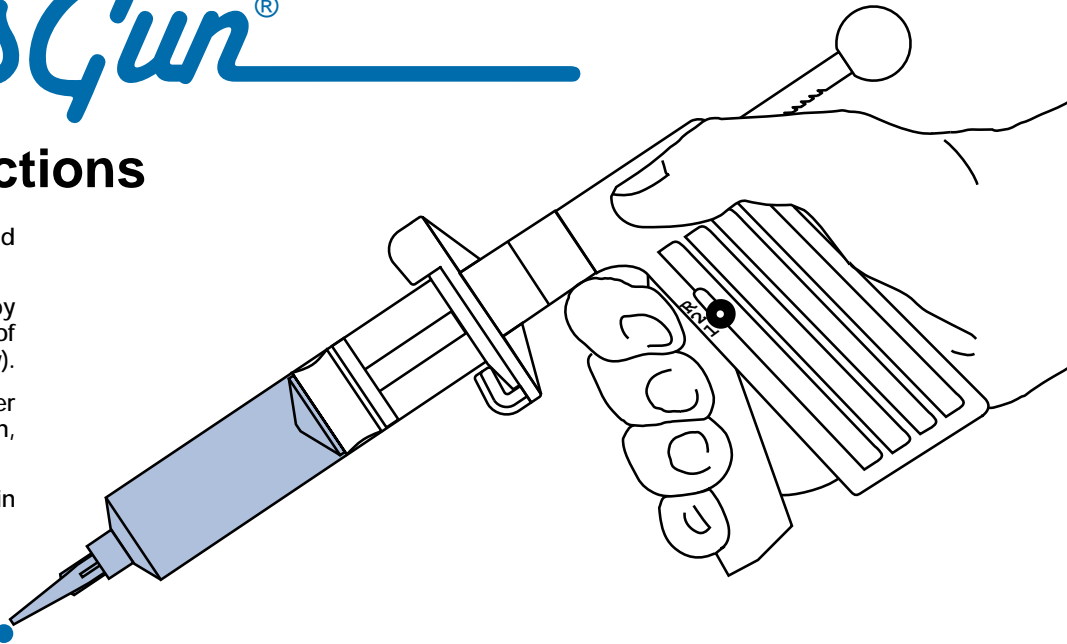
## Operating Instructions

The DispensGun<sup>®</sup> 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<sup>®</sup>.



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The unique DispensGun® simplifies applications of medium to high viscosity fluids.

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

## Features

- Rugged construction provides years of productive use.
- Designed specifically for use with ULTRA System™ component technology 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

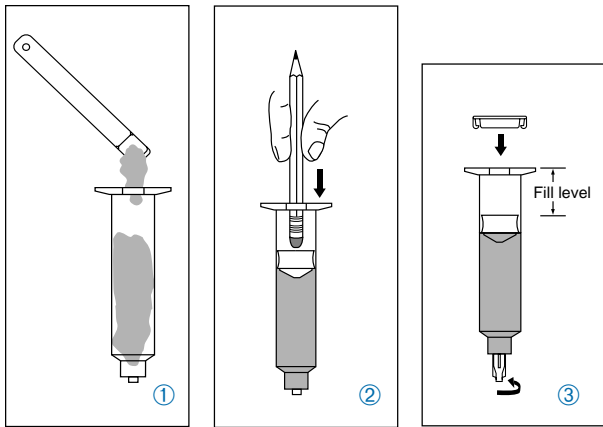
Weight (gun only): 11 oz (311 gm)

## Safety

Tests demonstrate the DispensGun® is fail-safe. With energetic use of the trigger (in excess of 200 psi) 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.

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

The DispensGun® is patented by EFD Inc. Patent #5,022,563.



Barrel	Fill Level
3cc	1/2"
5cc	3/4"
10cc	3/4"
30cc	3/4"
55cc	3/4"

## Filling Dispensing Barrels

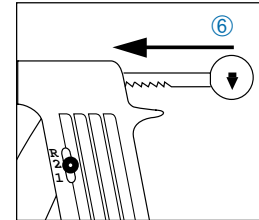
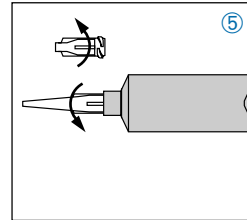
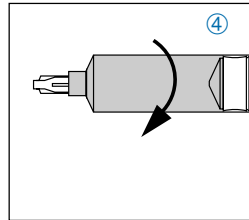
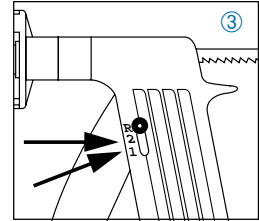
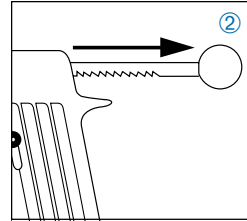
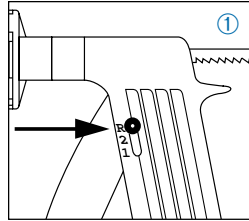
- ① Fill barrel, leaving required empty space as shown on fill level chart on the left.
- ② Insert piston. A piston must always be used when operating the DispensGun®.
- ③ Twist on orange tip cap and install orange end cap to provide airtight storage seal.

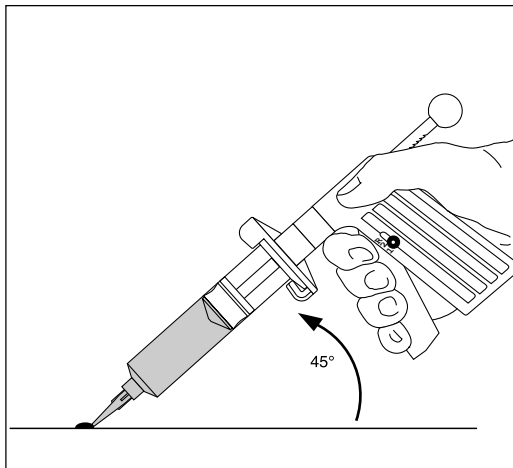
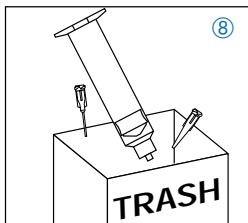
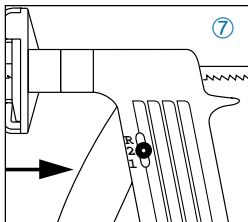
You may be using prepackaged barrels supplied by your distributor. EFD packages several fluids, including solder mask, thermal heat sink compound, solder paste and grease. Call **800-556-3484** for more information on these packaged fluids.

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

## 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 to lock.
- 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.





- 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.

## 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.

**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.

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## Fluids to use with the DispensGun®

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

## What Fluids to Dispense

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

At very low viscosity, you may find that the fluid will creep past the piston. When this happens, it means you should not use 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.

If fluid viscosity is low, do not use with the DispensGun®.

**You need more deposit control.** Use a different size dispensing tip. Smaller size for less flow. Larger size for more flow.

## Replacement Parts

### A Drive Plunger

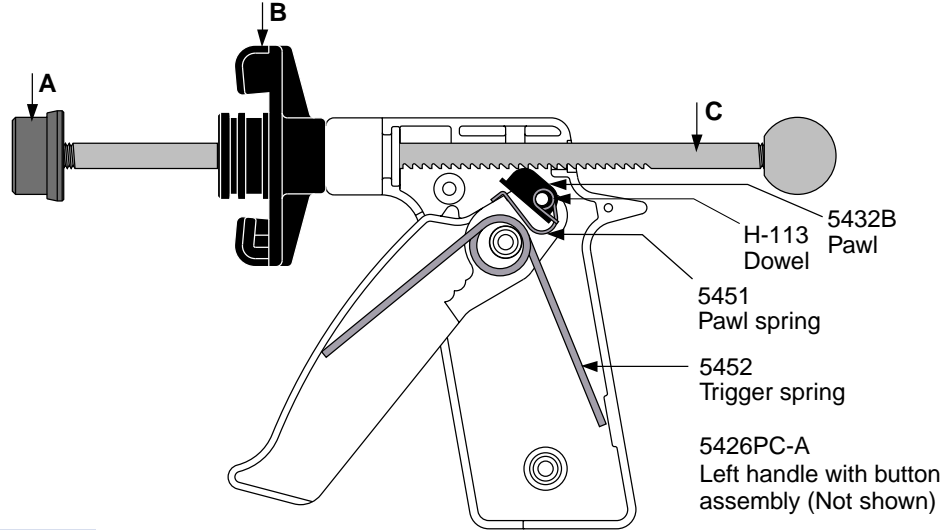
size	part #
DG3	5423
DG5	5420
DG10	5421
DG30	5422
DG55	5422

### B Adapter

size	part #
DG3	5418
DG5	5415
DG10	5416
DG30	5417
DG55	5417

### C Drive Rod & Knob

size	part #
DG3	5428
DG5	5409
DG10	5404
DG30	5403
DG55	5429



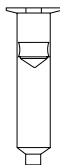
**IMPORTANT:** Trigger must be in "R" position during disassembly and assembly.

**Note:** Trigger spring is under tension! Use care when disassembling.

## Accessories

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

part #	description
5109CP-B	(50) sets for 3cc size gun
5110CP-B	(40) sets for 5cc size gun
5111CP-B	(30) sets for 10cc size gun
5112CP-B	(20) sets for 30cc size gun
5113CP-B	(15) sets for 55cc size gun



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



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**Snap-tight barrel end caps:** These caps ensure sealing of filled barrels for storage. Finger tab makes removal easy.

part #	size	qty / box
5109EC-B	3cc	(50)
5110EC-B	5cc	(40)
5111EC-B	10cc	(30)
5112EC-B	30cc, 55cc	(20)



**Barrel tip caps:** Seals barrel output for storage. One size fits all barrels.

part #	qty / box
5113-B	50



**DispensGun® holster:** Convenient storage and retrieval for DispensGun® and barrel. Fits standard 2" tool belt.

**Part #** PDHOLSTER



**Smooth-flow tapered tips:**

Molded polyethylene. Packaged (50) tips per box with see-through covers for easy part identification.

tapered	gage	ID	color
5114TT-B	14	.063"	olive
5116TT-B	16	.047"	grey
5118TT-B	18	.033"	green
5120TT-B	20	.023"	pink
5122TT-B	22	.016"	blue
5125TT-B	25	.010"	red



**General-purpose precision tips:**

Stainless steel tips with color-coded polypropylene hubs. 1/2" and 1" free lengths. Packaged (50) tips per box.

1/2"	1"	gage	ID	color
5114-B	5114-1-B	14	.060"	olive
5115-B	5115-1-B	15	.054"	amber
5118-B	5118-1-B	18	.033"	green
5120-B	5120-1-B	20	.023"	pink

