



DTD50-RB 50 mL Dispenser Operating Guide

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Changing Ratios

The DTD50-RB works with 1:1, 2:1, 3:2, 4:1 and 10:1 ratio 50 ml Round Back B-style cartridges. It comes with two retaining caps for easy change over. ****Max operating pressure 100 psi.***



1:1, 2:1, 3:2

4:1, 10:1



Round Back Style Cartridge

- Set for use with 1:1, 2:1 and 3:2 ratios right out of the box ready to dispense.

1:1, 2:1, 3:2



- To change to a ratio of 4:1 or 10:1, you will need remove the 1:1, 2:1, 3:2 retaining cap and adjust the pistons before installing the 4:1, 10:1 retaining cap that comes supplied with the unit. For a ratio of 4:1 loosen the inset screw on the smaller of the two piston sets, remove the bottom portion and re-install the screw insert. For 10:1 do the same but this time utilize the screw found at the back of unit on its own as shown in the image below. Any screws not being used can be conveniently stored in the back of the unit to prevent loss.



- **WARNING-** Do not remove or adjust the larger piston shown below at any time due to risk of breaking the plunger rod. It is a stationary piston, adjustment is not required.



- While the 4:1 and 10:1 settings are similar the piston dimensions are slightly different allowing for a smoother dispense between the two cartridge ratios. Shown below is an example of both settings.

**4:1****10:1**

Installing the Cartridge Step 1

- The DTD50-RB works with standard round back 50ml cartridges. To install the cartridge, unscrew the retainer cap and remove from the retainer body. Then insert the cartridge nose down in the cap.



Installing the Cartridge Step 2



- While holding the cartridge tight in the retaining cap, line up the corresponding locking pins with the cap holes to ensure a proper fit.



- Tighten the cap in place again by screwing it back on. Always make sure the cartridge is seated properly.



Installing the Air Line into the DTD50-RB applicator

- Remove the air line that comes supplied with the unit and firmly insert the pre-cut portion into the push fitting located in the back of the applicator.



Installing the Air Line into the Controller

- For some controllers the male quick connect fitting simply twists and locks in place.



- For DC Style controllers that use a push to connect fitting you will need to cut the male quick connect adapter off from the supplied air-line.



- To install the air line into DC style controllers you will need the black adapter (Part number 5779K712) shown below that comes supplied with the unit. Simply install the adapter first, then firmly insert the cut 5/32" (4 mm) hose to operate.



General Operating Instructions

- To retract the pistons after depleting the cartridge remove the cap and the cartridge from the retaining cap. Manually push the pistons back into the unit to reset them. You do not need to remove the unit from the airline prior to retracting the pistons. You will need to do this prior to inserting a new cartridge to begin dispensing again. For best safety practices ensure the foot pedal or purge button is not accidentally actuated during the retract process.



- When not in use remove the cartridge from the retainer cap overnight or between shifts to prevent any potential adhesive from dripping back into the piston shaft and cap. While most cartridges should not leak there is always the potential for residual adhesive that could mix and cure causing the inability to unscrew the cap.



Optional Configurations (sold separately)

**Lever Actuated with
Finger Switch**
(FS-501V or FS501-VDC)



**Pistol Grip
Hand Assembly**
(560565 or 560565DC)



Optional Configurations (sold separately)

**Stand Mounted
Assembly
(562043U)**



**Robot Mounted
Assembly
(5601800U)**



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