

TD101

Tube Dispenser Instruction Manual



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General Description

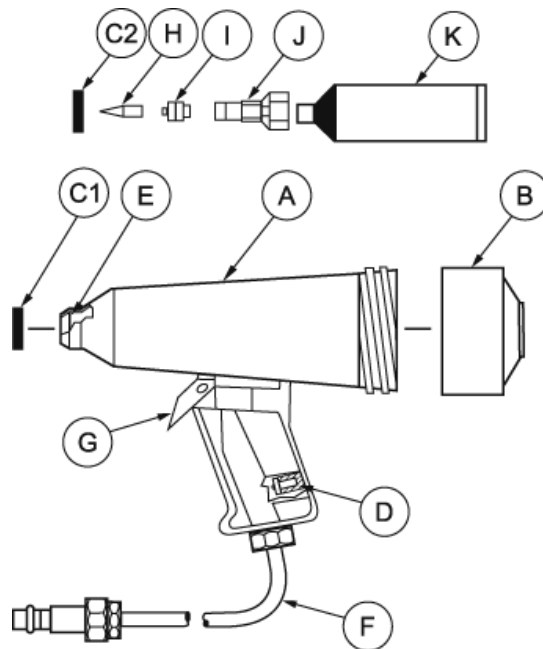
The TD101 Tube Dispenser System was designed to dispense any liquid, pastes, grease, silicone and similar fluids directly from the manufacturer's collapsible tube.

The old fashioned way of squeezing the material out of the tube creates many problems, such as:

- Messy material transfer.
- Introduction of dirt during the transfer.
- Air bubbles are introduced during the transfer.
- The material is never completely squeezed out of the tube, and the tube is thrown away with material in it (very costly).

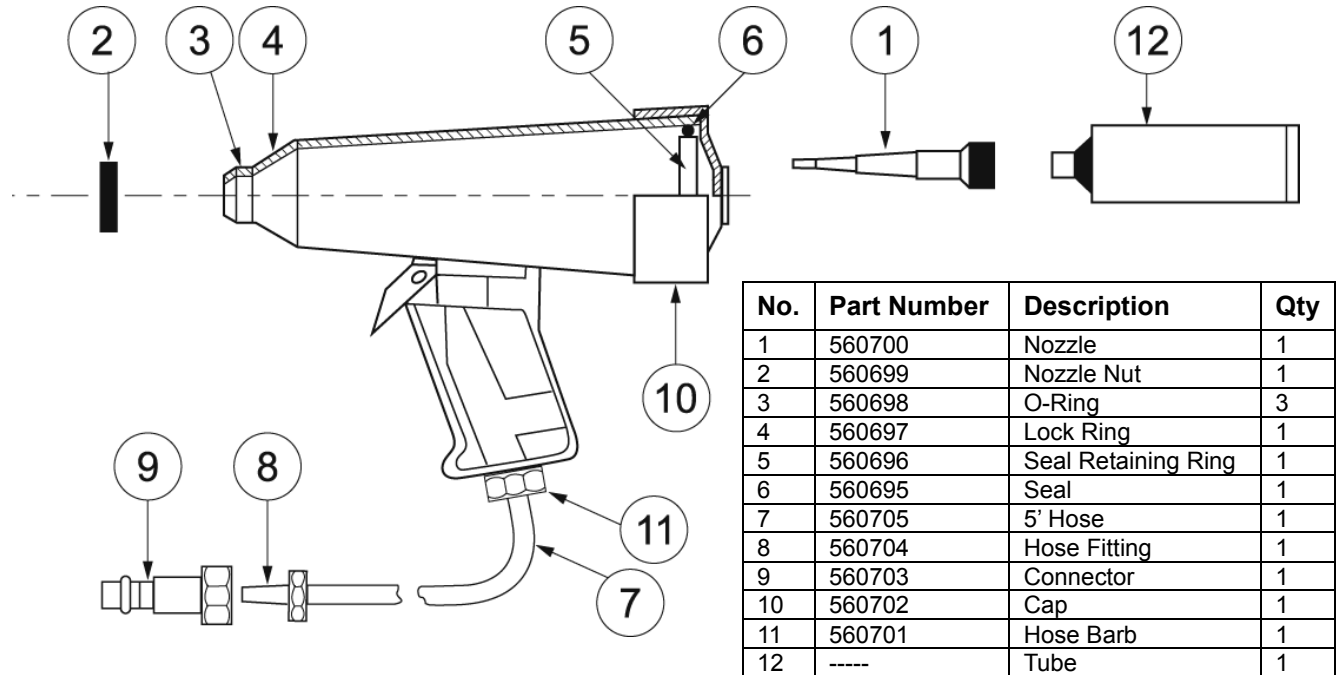
With the TD101 Tube Dispenser method, all one has to do is attach a nozzle or an adapter to the material tube, then drop the tube into the tube dispenser and you are ready to start dispensing.

Features



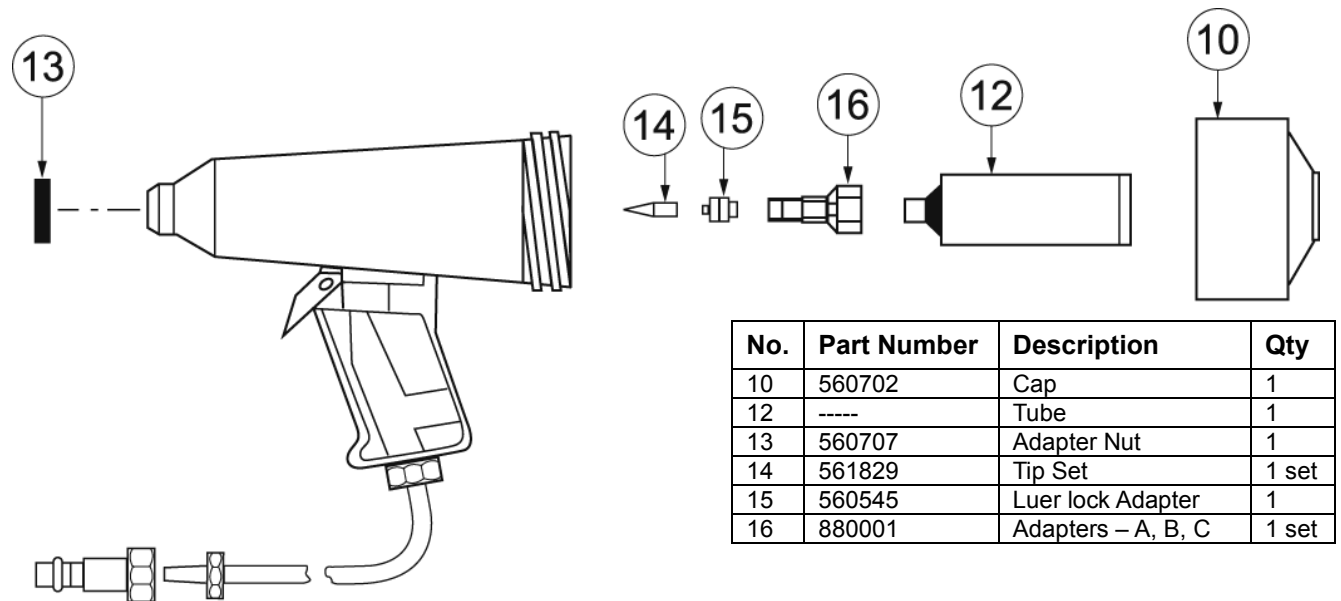
Feature	Function
A. Gun Body Assembly	Tough, light weight Polymer housing designed for comfort and safety. Handles up to 5 fl oz. squeeze tubes.
B. Gun Cap Assembly	Threaded safety cap with full gasket seal.
C1, C2. Nozzle Retainer Nut	Designed for quick and easy loading and unloading.
D. Relief Poppet	Safety outlet designed to prevent over pressurization.
E. O-Ring	Simple nozzle seal designed for easy replacement.
F. Air Hose Assembly	5 foot flexible air hose assembly with choice of air connector fittings
G. Trigger Valve Assembly	Easy activation, quick response trigger valve assembly with pressure dump for no drip operation.
If Luer-Lock tips are to be used	
H. Tapered Luer Lock Tips	16,18,20 & 22 gauge polyethylene luer lock tips, 1 ½" overall length.
I. Luer Lock	Luer-lock conversion adapter.
J. Tube Adapter	Tube adapter 880001-A, 880001-B, 880001-C. If none of these fit your collapsible tube, please contact your Fisnar representative.
K. "Collapsible" Squeeze Tube	Purchased tube of material.

Using the Supplied Nozzle



1. Use appropriate Air Connector Fitting(8)(9) on the end of the Air Hose Assembly(7).
2. Connect Air Hose Assembly to air source.
3. Remove Gun Cap(10) by rotating counterclockwise.
4. Place Nozzle(1) onto Squeeze Tube(12), Making certain that nozzle is correctly and firmly threaded onto squeeze tube.
5. Place squeeze tube into gun housing inserting nozzle through dispense end opening.
6. Pull nozzle through opening until firmly seated. Then thread the Nozzle Retainer Nut(2) over the nozzle until tightened against the end of the gun. It may be necessary to hold the squeeze tube to prevent rotation.
7. Thread Gun Cap(10) securly onto gun housing.
8. Cut nozzle tip to desired dispensing orifice.
9. Turn up air pressure (50 psi. Max) and squeeze gun trigger until desired flow is achieved.
Recommended starting pressure of 20psi.
10. To remove empty squeeze tube, first remove Gun Cap(10).
11. Hold squeeze tube while removing the nozzle retainer nut(2).

Using with Luer lock Tips



1. The TD101 Tube Dispenser is shipped to accommodate a nozzle(1*). In order to be able to use Luer lock tips, remove O-ring(3*) and Luer lock ring(4*) out of the gun assembly by means of a screw driver.
2. Use appropriate Air Connector Fitting(8*, 9*) on the end of the Air Hose Assembly(7*).
3. Connect air hose assembly to air source.
4. Remove Gun Cap(10) by rotating counterclockwise.
5. Thread one of the supplied tube adapters(16) onto the collapsible tube. If none of these tube adapters fit, contact your Fisnar representative.
6. Attach Luer Lock Adapter(15) to tube adapter(16).
7. Now select the appropriate Tapered Luer Lock Tip(14).
8. Insert assembly(14, 15, 16 & 12) into gun housing inserting tip through dispense end opening.
9. Pull tip through opening until firmly seated. Then thread Adapter Nut(13) over Tube Adapter(16) until tightened against the end of the gun. It may be necessary to hold the squeeze tube to prevent rotation.
10. Thread Gun Cap(10) securely onto gun housing.
11. Turn up air pressure (50 psi. Max) and squeeze gun trigger until desired flow is achieved.
Recommended starting pressure of 20psi.
12. To remove empty squeeze tube, first remove Gun Cap(10).
13. Hold squeeze tube while removing the nozzle Retainer Nut(2*).

* - Please refer to drawing on previous page for reference number.

Troubleshooting

<u>Problem</u>	<u>Check for Correction</u>
1. Air leak at relief poppet.	<ul style="list-style-type: none">• Excessive Air Pressure; reduce below 50 psi.• Dirt or foreign substance clogging poppet seal – blow free using air.• Defective relief poppet – Contact Fisnar representative.
2. Air leak at trigger.	<ul style="list-style-type: none">• Defective trigger valve assembly - Contact Fisnar representative.
3. Air leak at gun cap assembly.	<ul style="list-style-type: none">• Cap not firmly seated.• Dirt or foreign substance interfering with gasket seal.• Defective gasket – replace.
4. Air leak at dispense end of gun.	<ul style="list-style-type: none">• Nozzle not fully seated in O-Ring seal – tighten.• Incorrect nozzle configuration.• Worm or missing O-ring seal – replace.
5. Relief poppet blows at too low an operating pressure.	<ul style="list-style-type: none">• Relief poppet not seated properly - Contact Fisnar representative.
6. Material does not dispense.	<ul style="list-style-type: none">• Air not connected or pressure not high enough.• Nozzle not cut.• Nozzle or tube clogged.• Excessive air leak (see air leak problems above).• Defective trigger or valve assembly.
7. Material dispenses erratically, “spitting”, “popping” ...	<ul style="list-style-type: none">• Nozzle cross threaded or not threaded down firmly on squeeze tube.
8. Incomplete dispense (tube collapses at front end blocking material).	<ul style="list-style-type: none">• Tube was physically deformed at front end when threading on nozzle – take care not to deform tube.• Too much air pressure or too rapid a dispense rate – reduce air pressure or reduce dispense orifice.

O-ring Replacement

1. Disconnect air source.
2. Using a scredriver push the lock ring and o-ring out of the nose of the gun assembly housing.
3. Drop O-ring into large end of gun.
4. Push O-ring into large end of gun using eraser end of pencil (or similar soft tipped probe).
5. Place lock ring over nozzle and squeeze tube and insert into nose of gun.
6. Pull nozzle firmly through orifice to ensure complete seating of lock ring.

Replacement Adapters

Part #	Description
560545	Tip Adapter
880001-A	Adapter “A”
880001-B	Adapter “B”
880001-C	Adapter “C”
880001-D	Adapter “D”
880001-BLANK	Adapter “BLANK”

Limited Warranty

Manufacturer warrants this product to the original purchaser for a period of ninety (90) days from date of purchase to be free from defects in material and workmanship, but not against damages caused by misuse, neglect, accident, faulty installation, abrasion, corrosion, or by "not" operating in accordance with factory recommendations and instructions. Manufacturer will repair or replace (at factory's option), free of charge, any component of the equipment. Thus found to be defective, on return of the component "prepaid" to the factory during the warranty period. In no event shall any liability or obligation of the manufacturer arising from this warranty exceed the purchase price of the equipment. The manufacturer's liability, as stated herein, cannot be altered or enlarged except by a written statement signed by an officer of the company. In no event shall the manufacturer be liable for consequential or incidental damages.

Manufacturer reserves the right to make engineering or product modifications without notice.

