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Product Description Sheet

Loctite Light Cure Acrylic Tubing Adhesive Applicator

Part # 98445
 North American Equipment

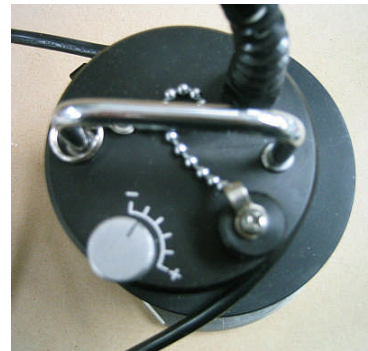
PRODUCT DESCRIPTION

LOCTITE® Light Cure Acrylic Adhesive Dispensing System for Tubing is a dispensing system that rapidly and consistently applies a uniform coating of light cure acrylic adhesives to the outer diameter of tubing. Simply insert the end of the tubing into the opening on the dispenser and a film of adhesive is applied to the tubing. The adhesive application rate can be adjusted to optimize the amount of adhesive applied to the assembly and the dispenser can accommodate adhesives with viscosities as high as 1500 cP. The dispenser can accommodate circular parts from 2.0 to 6.0 mm in diameter, with a maximum dispensing length of 8 mm. Adhesive dispensing onto various diameter parts is accomplished by using specifically sized stainless steel bushings on the dispense orifice of the assembly. Bushings are sized to accommodate different diameter parts and are easily interchanged on the dispenser. An electric motor continuously re-circulates adhesive through the dispensing bushing, thus eliminating waste and insuring adhesive is readily available when tubing is inserted into the dispenser. A separate transformer supplies power to the unit, minimizing its footprint and weight. The unit also has a sight glass that aids the operator in quickly determining adhesive fill level in the dispenser.

ADHESIVE COMPATIBILITY. This unit is designed for use with Light Cure Acrylic adhesives only. It should not be used with Cyanoacrylates or Light Cure Cyanoacrylates.

PRODUCT FEATURES AND BENEFITS

- Simple one-handed operation. Simply insert tubing into the bushing and withdraw to dispense the desired adhesive amount.
- Easy adhesive adjustment allows operator to optimize adhesive dispense amount.
- Versatile system designed to apply adhesive to the outer diameter of tubing with optional bushings available
- Design prevents light exposure of adhesive in the dispenser
- Electric pumping mechanism eliminates need for supplying compressed air to the dispenser.



Technical Data

- Utilities: 110 VAC, 10 amps, 60 Hz
- Overall Dispenser dimensions: 9" H x 5.5" Diameter base
- Overall Transformer dimensions: 2" H x 3.5" W x 4" D
- Weight: 7.7 lbs.- Dispense Unit, 1.25 lbs. Transformer
- Adhesive Volume of Dispenser: 30 ml
- Not recommend for tubing below 70 Shore A

Loctite LCA Tubing Adhesive Applicator Includes

- Operation manual
- Dispenser
- Transformer
- Bushing Removal Tool

Required Accessory: Sold Separately

Order appropriate bushing based on tube OD.

2mm Bushing	989038
3mm Bushing	989039
4mm Bushing	989040
5mm Bushing	989041
6mm Bushing	989042

NOT FOR PRODUCT SPECIFICATIONS
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LCA Tubing Adhesive Applicator Bushing Selection Guide

Standard Bushing		
Part Number	Description	Tubing OD Range
989038	2mm [0.079 in]	0.059 in - 0.088 in
989039	3mm [0.118 in]	0.089 in - 0.128 in
989040	4mm [0.157 in]	0.128 in - 0.167 in
989041	5mm [0.197 in]	0.168 in - 0.207 in
989042	6mm [0.236 in]	0.208 in - 0.246 in

Example #1

Customer Tube Specification: OD = .180 in +/- .003

Bushing selection: The 5mm bushing is selected.

Example #2

Customer Tube Specification: OD = 0.128 in +/- .003

Bushing selection: The 3mm bushing would not be appropriate because the upper tolerance of the tubing is greater than the bushing range. The 4mm bushing is selected. When tube diameter is at the beginning of the range the LCA Tubing Adhesive Applicator will dispense a larger volume of adhesive onto the tube. The adhesive volume control knob can reduce the volume but for very exacting application a special bushing may be required.

Example #3

Customer Tube Specification: OD = 0.164 in +/- .003

Bushing selection: The 4mm bushing would be the first choice. The adhesive volume control knob will control the minimum adhesive dispense volume but the clearance between the bushing ID and the tube OD will determine the maximum adhesive dispense volume. If more adhesive is needed try the next bushing size.

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