



Product Description Sheet Loctite® 50ml Dual Cartridge Dispensers

Item No. 1444133, 1444134, 1444135

PRODUCT DESCRIPTION

The Loctite® 50 ml Dual Cartridge Dispenser provides highly accurate control for applying drops or small beads of 2-part adhesives with 1:1, 2:1, or 10:1 mix ratios for both A-System and B-System 50 ml style cartridges. This 50 ml Dual Cartridge Dispenser can be used as a stationary dispenser or can be integrated into any Loctite® Precision Adhesive Dispensing Robot system.

PRODUCT FEATURES

- Interchangeable cartridge pushers with common mounting tooling can accommodate 1:1, 2:1, or 10:1 dual cartridges for both A-System and B-System 50 ml cartridges.
- Independent cartridge pressure and actuation functions to control adhesive flow rate.
- Fluid components designed for MMA and Epoxy adhesives, but can be used with any chemistry.
- Accepts precision anti-drip dispense valve 1444139 (sold separately).
- Easy cartridge change-over.
- Light-weight design; able to be used on any Loctite® Precision Adhesive Dispensing Robot system.
- Dispenses adhesives up to 200,000 cPs viscosity.
- Can be used as a stationary dispenser with the use of a Loctite® Single Function Controller, item [97101](#)

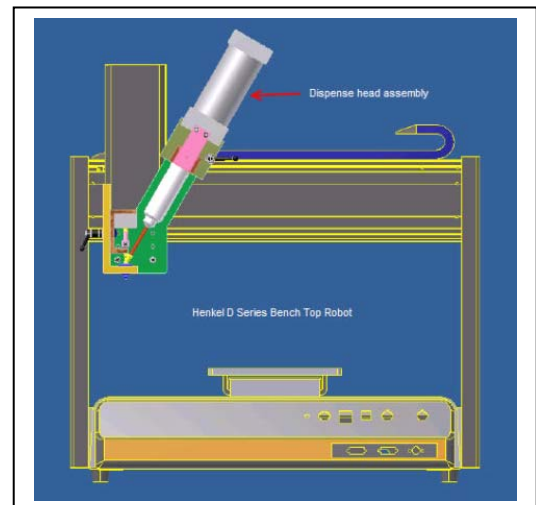


Technical Data

- Dimensions: 11" W x 5" D x 15" H (297 mm x 376 mm x 118 mm)
- Weight: 5.3 lbs. (2.5 kg.)

Loctite® Dual Cartridge Dispensing System Total Solution

The Loctite® 50 ml Dual Cartridge Dispenser when used in conjunction with any Loctite® [Precision Adhesive Dispensing Robot](#) system provides a total processing solution for applying small beads or drops. The Dispenser mounts easily to the Robot and can be programmed for any 3-axis application. The Loctite® [D-Series Bench-top Robots](#) are available in four different sizes depending on the application requirements. The two tables below will help select the right system and all the related components.



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Step One: Select the D Series Robot with the dispense area that is appropriate for the application.

Dispense Area	Description	Item Number
200x200mm	LOCTITE® 200 D-Series Dispensing Robot 24 VDC	1597107
300x300mm	LOCTITE® 300 D-Series Dispensing Robot 24 VDC	1452395
400x400mm	LOCTITE® 400 D-Series Dispensing Robot 24 VDC	1452396
500x500mm	LOCTITE® 500 D-Series Dispensing Robot 24 VDC	1578317

The Robot accessories that will be needed are common to D Series Robot Systems. They are:

- Loctite® Solenoid Valve Module; item # [988000](#)
- Loctite® Teach Pendant; item # [1328356](#)
- Loctite® Interface cable; item # [1329222](#)
- Note: General Purpose Benchtop Robots are also available.

Step Two: Select the Dispenser based on adhesive ratio:

Adhesive	Ratio	Cartridge Style	Dispenser
4090	1:1	B	1444134
H/HF 8600	2:1	A	1444135
H 8700	2:1	A	1444135
H/HF 8000	10:1	B	1444133
H/HF 8025	10:1	B	1444133
H 8010	10:1	B	1444133
H 8500	10:1	B	1444133

This is a small representation of Henkel two part Adhesives. If an adhesive is not shown please contact a local Henkel office to get assistance in selecting the right Dispenser. Cartridge types are subject to change so before ordering a Dispenser, please consult your local Henkel Sales Representative or Distributor.



Example of “A-Style” 2:1 Cartridge
(formerly “D” style cartridge)



Example of “B-Style” 10:1 Cartridge
(formerly “S” style cartridge)



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Step Three: Order Loctite® Anti Drip valve # 1444139 (500 pack) or # 1445944 (100 pack).



Step Four: Select the proper static mix nozzle to match the style of the cartridge.



“A-System” Style 1:1 & 2:1 mix ratio
Item # 1334299 (100 pk.)



“B-System” Style
10:1 Mix Ratio -Item # 1329200 (100 pk.)
1:1 & 2:1 Mix Ratio -Item # 1440017 (100 pk.)

Step Five: Select the proper dispense needle tip to meet production requirements.

Note: photo on right shows Anti Drip Valve with ¼” stainless steel dispense tip needle attached.

Order Information:

- Item # [1444133](#) Loctite® 50ml Dual Cartridge Dispenser for 10:1 “B” style cartridges.
- Item # [1444134](#) Loctite® 50ml Dual Cartridge Dispenser for 1:1 and 2:1 “B” style cartridges.
- Item # [1444135](#) Loctite® 50ml Dual Cartridge Dispenser for 1:1 and 2:1 “A” style cartridges.
- Item # [1444139](#) Loctite® Anti Drip Valve (500pack)
- Item # [1445944](#) Loctite® Anti Drip Valve (100pack)





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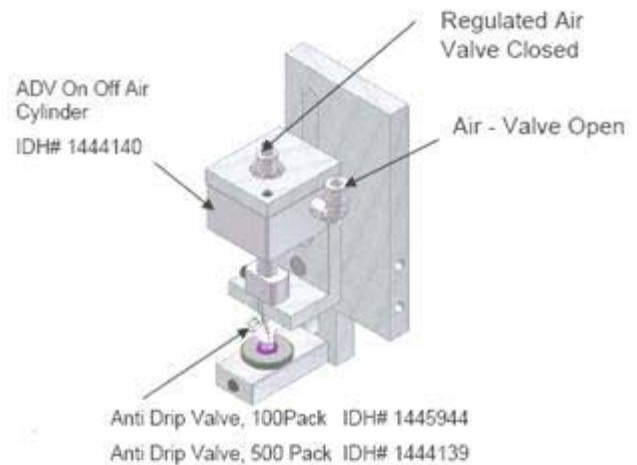
Spare Parts

- Item # 1444136Replacement Loctite® Cartridge Pusher Assembly for 10:1 “B” style cartridges.
- Item # 1444137Replacement Loctite® Cartridge Pusher Assembly for 1:1 and 2:1 “B” style cartridges.
- Item # 1444138Replacement Loctite® Cartridge Pusher Assembly for 1:1 and 2:1 “A” style cartridges.
- Item # 1444140Replacement Loctite® Advancing On / Off Air Cylinder
- Item # 1334299Static Mix Nozzle for “A” Style cartridges with 1:1 and 2:1 mix ratio. Sold in (100 pk.)
- Item # 1329200Static Mix Nozzle for “B” Style cartridges with 10:1 mix ratio. Sold in (100 pk.)
- Item # 1440017Static Mix Nozzle for “B” Style cartridges with 1:1 and 2:1 mix ratio. Sold in (100 pk.)
- Dispense Needle Tips Determined by process requirements.

P/N: 1444136 Cartridge Pusher Assembly 10:1 B-Style
P/N: 1444137 Cartridge Pusher Assembly 1:1 & 2:1 B-Style
P/N: 1444138 Cartridge Pusher Assembly 1:1 & 2:1 A-Style



Cartridge Pusher Assembly



Advancing On/Off Air Cylinder Assembly

Note
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Document # 8903335, Rev C, Date: 01/09/2015



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