



EQUIPMENT Operation Manual



Loctite® EQ HM20 PUR Syringe Preheater Part Number 2033861

TABLE OF CONTENTS

1. PLEASE OBSERVE THE FOLLOWING.....	3
1.1 EMPHASIZED SECTIONS.....	3
1.2 ITEMS SUPPLIED.....	3
1.3 FOR YOUR SAFETY.....	3
1.4 FIELD OF APPLICATION, (INTENDED USAGE).....	4
2. DESCRIPTION.....	4
2.1 THEORY OF OPERATION.....	4
2.2 DIMENSION.....	5
3. INSTALLATION.....	6
3.1 UNPACKING AND INSPECTION.....	6
3.2 CONNECTING THE UNIT.....	6
4. OPERATING THE UNIT.....	7
4.1 ELECTRICAL CONNECTIONS (WITH NO AC POWER TO UNIT).....	7
5. CARE AND MAINTENANCE.....	7
5.1 CARE.....	7
5.2 MAINTENANCE.....	7
6. TROUBLESHOOTING.....	7
7. WARRANTY.....	8

1. Please Observe the Following

1.1 Emphasized Sections



WARNING!

Refers to safety regulations and required measures that protect the operator or other persons from injury or danger to life.



Caution!

Emphasizes what must be done or avoided so that the unit or other property is not damaged.



Notice:

Gives recommendations for better handling of the unit during operation or adjustment, as well as for service activities.

1.2 Items Supplied

1 HM20 PUR Syringe Preheater

1 PUR Pre Heater Cable

Additional Items Required (Need to Purchase Separately)

HM20 PUR Controller, Part Number 2033850

1.3 For Your Safety

For safe and successful operation of the unit, read these instructions completely. If the instructions are not observed, the manufacturer can assume no responsibility. Be sure to retain this manual for future reference.



WARNING!

Always wear temperature resistance gloves before touch the housing of the Pre Heater.



WARNING!

Never remove the cover of the unit without first switching the power off and unplugging the power cord.



WARNING!

Damage to the power cord or the housing can result in contact with live electrical parts. Check the power cord and housing before each use. If the power cord or unit is damaged, do not operate.

The unit may be repaired only by a Loctite® authorized service technician.

1. Please Observe the Following (continued)

1.4 Field of Application, (Intended Usage)

This Loctite® EQ HM20 PUR Syringe Preheater is designed for use with the Loctite® HM20 PUR Controller. The system is designed for use in pre-heating Loctite® brand PUR hotmelt adhesive products.

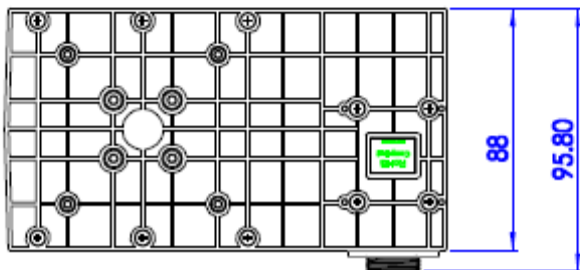
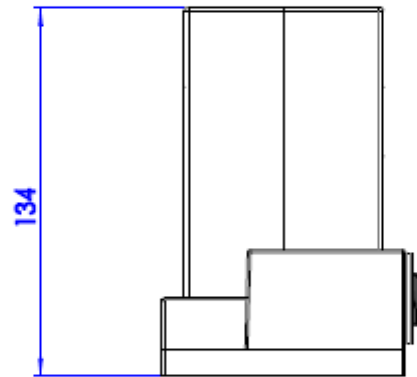
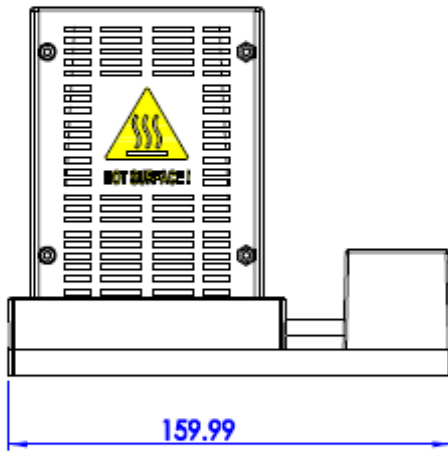
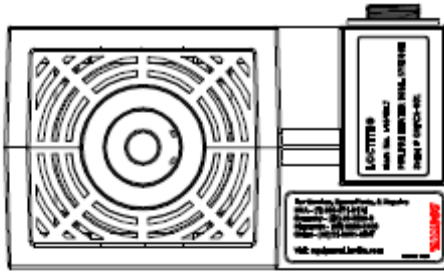
2. Description

2.1 Theory of Operation

When the unit is switched on, electrical power is supplied to the temperature controller and timer. The system will reach the pre-set temperature (time varies with different pre-set temperatures typically within 10-15 minutes). The dispensing parameters (temperature, pressure and dispensing time) must be determined before use. The dispensing parameters depend on the properties of the adhesive product.

The timed exposure cycle starts by momentarily depressing the footswitch or when an externally operated device such as Loctite® Benchtop Robot or PLC makes a relay closure across pins 1 and 9 of the nine pin footswitch connection on the rear panel. In the manual operating mode, the dispensing pressure remains open for as long as the footswitch is depressed or alternate external device maintains contact between pins 1 and 9.

2.2 Dimension



3. Installation

3.1 Unpacking and Inspection

Carefully remove the system from its shipping carton and inspect it for any signs of damage. Any damage should be reported immediately to the carrier. Refer to the list of supplied parts (see page 4) and compare to the contents. Report any missing or damaged parts promptly to the Henkel customer service department at 1-800-LOCTITE (562-8483).

3.2 Connecting the Unit

- Use only the cable set supplied.
- Connect the electric wire with connector to either “Heater 1 Connector” or “Heater 2 Connector” of the PUR-Controller-30ml Syringe.

4. Operating the Unit

4.1 Electrical Connections (With no AC Power to Unit)

1. Plug the PRE HEATER 4 pin connector to either HEATER 1 or HEATER 2 connectors located on the rear panel of the HM20 PUR Controller 2033850. Make sure that the connections are secure.
2. Set the required pre heat temperature on the temperature controller and the unit will start to heat up immediately.

 **Notice:**

Do NOT remove the end cap and tip cap from the syringe during pre heat.

5. Care and Maintenance

5.1 Care

- This unit should be stored in a level, dry location at ambient condition out of direct sunlight.

5.2 Maintenance

The unit requires no special maintenance.

6. Troubleshooting

Symptom	Possible Corrective Action(s)
The system does not heat up	<ol style="list-style-type: none">1. Confirm that the unit is connected to the Heat 1 or Heat 2 controller.2. Check the pre-set temperature on the Heater Controller.

7. Warranty

For Loctite® EQ HM20 PUR Syringe Preheater

Henkel expressly warrants that all products referred to in this Instruction Manual for Loctite® EQ HM20 PUR Syringe Preheater (hereafter called “Products”) shall be free from defects in materials and workmanship. Liability for Henkel shall be limited, at its option, to replacing those Products which are shown to be defective either in materials or workmanship or to credit to the purchaser the amount of the purchase price thereof (plus freight and insurance charges paid therefore by the user). The purchaser’s sole and exclusive remedy for breach of warranty shall be such replacement or credit.

A claim of defect in materials or workmanship in any Products shall be allowed only when it is submitted to Henkel in writing within one month after discovery of the defect or after the time the defect should reasonably have been discovered and in any event, within twelve months after the delivery of the Products to the purchaser. No such claim shall be allowed in respect of Products which have been neglected or improperly stored, transported, handled, installed, connected, operated, used or maintained or in the event of unauthorized modification of the Products including, where products, parts or attachments for use in connection with the Products are available from Henkel, the use of products, parts or attachments which are not manufactured by Henkel.

No Products shall be returned to Henkel for any reason without prior written approval from Henkel. Products shall be returned freight prepaid, in accordance with instructions from Henkel.

NO WARRANTY IS EXTENDED TO ANY EQUIPMENT WHICH HAS BEEN ALTERED, MISUSED, NEGLECTED, OR DAMAGED BY ACCIDENT.

EXCEPT FOR THE EXPRESS WARRANTY CONTAINED IN THIS SECTION, HENKEL MAKES NO WARRANTY OF ANY KIND WHATSOEVER, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS.

ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND OTHER WARRANTIES OF WHATEVER KIND (INCLUDING AGAINST PATENT OR TRADEMARK INFRINGEMENT) ARE HEREBY DISCLAIMED BY HENKEL AND WAIVED BY THE PURCHASER.

THIS SECTION SETS FORTH EXCLUSIVELY ALL OF LIABILITY FOR HENKEL TO THE PURCHASER IN CONTRACT, IN TORT OR OTHERWISE IN THE EVENT OF DEFECTIVE PRODUCTS.

WITHOUT LIMITATION OF THE FOREGOING, TO THE FULLEST EXTENT POSSIBLE UNDER APPLICABLE LAWS, HENKEL EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER FOR ANY DAMAGES INCURRED DIRECTLY OR INDIRECTLY IN CONNECTION WITH THE SALE OR USE OF, OR OTHERWISE IN CONNECTION WITH, THE PRODUCTS, INCLUDING, WITHOUT LIMITATION, LOSS OF PROFITS AND SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER CAUSED BY NEGLIGENCE FROM HENKEL OR OTHERWISE.

Henkel Corporation
One Henkel Way
Rocky Hill, CT 06067-3910
USA

Henkel Canada Corporation
2225 Meadowpine Boulevard
Mississauga, Ontario L5N 7P2
CANADA

Henkel Corporation
Automotive/ Metals H.Q.
32100 Stephenson Hwy,
Madison Heights 48071
USA

Henkel Capital, S.A. de C.V.
Calzada de la Viga s/n Fracc.
Los Laureles
Loc. Tulpetlac, C.P. 55090
Ecatepec de Morelos, MEXICO

Henkel Singapore Pte Ltd
401, Commonwealth Drive
#03-01/02 Haw Par Technocentre
SINGAPORE 149598

Henkel (China) Company Ltd.
No. 928 Zhang Heng Road,
Zhangjiang, Hi-Tech Park, Pudong,
Shanghai, China 201203

Henkel Loctite Korea
8F, Mapo Tower, 418,
Mapo-dong, Mapo-gu,
Seoul, 121-734, KOREA

Henkel Japan Ltd.
27-7 Shin Isogo-cho, Isogo-ku
Yokohama, 235-0017
JAPAN

www.equipment.loctite.com

Loctite is a trademark of Henkel Corporation, U.S.A. © Copyright 2006. Henkel Corporation
Teflon is a registered trademark of E.I. DuPont de Nemours Co., Inc.
All rights reserved. Data in this operation manual is subject to change without notice.
Manual P/N: 8906053, Date: 11/18/2015

