**LOCTITE®**

# High Quality Equipment System Solutions

From standard manual dispensing and curing equipment up to advanced application robots. LOCTITE = 360° total solution provider.

**Henkel**

**Version 2.0**

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# INTEGRATED DISPENSE SYSTEMS FOR MANUAL DISPENSING FROM BOTTLES

| Product Name | | |
|---|---|---|
| **LOCTITE 98414/97001 Peristaltic Handgun** | | LOCTITE 98414/97001 Peristaltic Handgun is a manual, peristaltic, volumetric bottle-top hand pump applicator. |
| **LOCTITE EQ RC18 Semi-Automatic Dispensing System LP (Low Pressure)** | | LOCTITE EQ RC18 Integrated Semi-Automatic Dispensing System to dispense the adhesive directly from larger bottles. The controller provides digital timing control for any LOCTITE automatic dispense valve or automatic hand-held applicator. It is equipped with a precision pressure regulator: <br><br> › 0.1 – 0.7 bar for the RC18 (Low Pressure) for viscosities < 1,500 mPas |
| **LOCTITE 97009 Semi-Automatic Dispensing System HP (High Pressure)** | | LOCTITE 97009 Integrated Semi-Automatic Dispensing System to dispense the adhesive directly from larger bottles. The controller provides digital timing control for any LOCTITE automatic dispense valve or automatic hand-held applicator. It is equipped with a precision pressure regulator: <br><br> › 0.1 – 4.0 bar for the 97009 (High Pressure) for viscosities > 1,500 mPas |
| **LOCTITE 97130 ErgoLoc Valve** | | LOCTITE 97130 ErgoLoc Valve is a pneumatically operated dispense valve, designed to be used in conjunction with pressure-time dispense systems. |
| **LOCTITE EQ PU20 Digital Peristaltic Dispenser** | | The LOCTITE EQ PU20 Digital Peristaltic Dispenser is a reliable and effective volumetric dispenser for single-component, low viscosity adhesives. It is great for precise dosing or applications that require a specific flow rate. This dispenser is electro-mechanically operated and does not require the use of an air source. It transfers liquids via pressure displacement applied by rotor turning against a tube that carries the material from the bottle to a handheld dispense applicator. |

| Application | Benefits | Order No. |
|---|---|---|
| Anaerobic adhesives in 50ml and 250ml bottles for viscosities up to approx. 2,500 mPas. | › Ideal for accurate drop dispensing therefore improves quality and reduces waste<br>› Ensures no leakage, regardless of the orientation of the bottle<br>› Requires no flushing, power or air source | 608966, 88631 |
| Anaerobic, instant and light cure adhesives in 250ml and 500g bottles. | › Integrated design (controller and reservoir) for simple set-up and space economy<br>› Timer-controlled solenoid valve for air-actuated applicator<br>› Level sensor to give empty warning<br>› Capable of operating in a continuous mode for bead dispensing applications | 2260508 |
| Anaerobic, instant and light cure adhesives in 250 ml and 500 g bottles. | › Integrated design (controller and reservoir) for simple set-up and space economy<br>› Timer-controlled solenoid valve for air-actuated applicator<br>› Level sensor to give empty warning<br>› Capable of operating in a continuous mode for bead dispensing applications | 215845 |
| Anaerobic and instant adhesives with viscosities up to 10,000 mPas. | › Forward closing avoids air entrapment and potential premature curing of cyanoacrylates<br>› Dispenses repeatable drop sizes down to 0.005g<br>› Stroke adjustment for fine-tuning dispense characteristics<br>› Slim ergonomic design greatly reduces hand fatigue | 444643 |
| Anaerobic, instant and light cure adhesives in 10ml, 20g and 30ml packs. Solvent-free activators and oils up to a viscosity of approx. 5,000 mPas. | › Air-free dispensing reduces premature curing and clogging of product<br>› Instant reverse for vacuum suck-back; shuts off the flow of liquid and prevents dripping<br>› Adjustable post-delay time for vacuum setting<br>› Simple and convenient load mechanism for tubing replacement<br>› Digital motor speed adjustment and display<br>› Digital timer display<br>› "Teach In" and program memory saving function<br>› Multiple operating modes<br>› System comes complete with applicator, tubing, and nozzle tips | 2265279 |

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# DISPENSE SYSTEMS FOR AUTOMATIC DISPENSING FROM BOTTLES

| Product Name | | |
|---|---|---|
| **LOCTITE 97152 Dual Channel Controller** |  | LOCTITE 97152 Dual Channel Controller is a versatile multi-functional controller for actuating 1 – 2 dispensing valves. Settings can be made via the membrane keypad and the rotary selector switch. Reservoir pressure is controlled via a precision pressure regulator and monitored electronically. |
| **LOCTITE 97108 2.0 l Reservoir** |  | LOCTITE 97108 2.0 l Reservoir accommodates LOCTITE bottles and is equipped with a pneumatic connection and an electrical interface for setup with all LOCTITE controllers. |
| **LOCTITE 97115 Rotorspray** |  | LOCTITE 97115 Rotorspray is used to apply LOCTITE products to the interior cylindrical surfaces of work pieces. |
| **LOCTITE 97135 Diaphragm Dispense Valve** |  | LOCTITE 97135 Diaphragm Dispense Valve is a pneumatically actuated dispense valve which is designed for use in conjunction with pressure-time dispense systems. The opening of the diaphragm takes place by pressurising the internal single acting cylinder. Closure is achieved by spring force between cycles. |
| **LOCTITE 97113 Stationary Dispense Valve** |  | LOCTITE 97113 Stationary Dispense Valve with 1/4 inch feed line is designed for pressure-time applications. It is modular in design and comprises of a product shut-off valve and valve actuator, providing quick on-line serviceability. |
| **LOCTITE 98013 Cyanoacrylate Dispensing Valve** |  | LOCTITE 98013 Cyanoacrylate Dispensing Valve is a normally-closed diaphragm valve that provides high-resolution stroke adjustment and results in consistent flow control. This valve is specifically designed for cyanoacrylate (instant adhesive) dispensing. |
| **LOCTITE 98009 Light Cure Dispensing Valve** |  | LOCTITE 98009 Light Cure Dispensing Valve is a normally-closed diaphragm valve that provides high-resolution stroke adjustment and results in consistent flow control. This valve is mainly used for light cure adhesive dispensing. |

| Application | Benefits | Order No. |
|---|---|---|
| Depends on the supplementary equipment. | › 1 – 2 independent dispensing channels<br>› Integrated solenoid valve module<br>› High precision pressure regulator<br>› PLC interface<br>› Graphic display for easy menu navigation<br>› Online flow monitor signal evaluation | 1275665 |
| Adhesive bottle sizes 250ml, 500g, 1 Litre and 2kg. | › Operational with semi-automatic and automatic controllers<br>› Low level and empty warning signals (PLC)<br>› Manual dump valve for pressure on/off<br>› Reservoir lid holder to avoid contamination | 135555 |
| Anaerobic adhesives. | › Accurate, controlled spray pattern<br>› High speed rotation for large and small rotor disks<br>› Fail to spin alarm | 135557 |
| Anaerobic adhesives with viscosities up to 2,500 mPas. | › Fail-safe spring assists closing of valve upon loss of air pressure<br>› Internal components are PTFE to prevent premature curing<br>› Modular design and floating diaphragm allow for easy cleaning | 215846 |
| Anaerobic and light cure adhesives with viscosities up to 10,000 mPas. | › Slim, lightweight, seal-less design<br>› Adjustable suck-back feature eliminates stringing and dripping<br>› Can be used in static position, manually or mounted directly to a robot | 88644 |
| Instant adhesives, retaining compounds and threadlockers from low to medium viscosities up to 2,500 mPas. | › Bubble-free, no-drip dispensing<br>› Precision adjustment of stroke to control flow<br>› Can be used in static position, manually or mounted directly to a robot | 318654 |
| Light cure adhesives, retaining compounds and threadlockers from low to medium viscosities up to 2,500 mPas. | › Bubble-free, no-drip dispensing<br>› Precision adjustment of stroke to control flow<br>› Can be used in static position, manually or mounted directly to a robot | 218280 |

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## PRECISION DISPENSE SYSTEMS FOR VOLUMETRIC DISPENSING FROM BOTTLES

| Product Name | | |
|---|---|---|
| **LOCTITE EQ RC15 Compact Rotor Pump Controller** | | LOCTITE EQ RC15 Compact Rotor Pump Controller provides all control required for both the 97611 and 97621 Compact Rotor Pumps. This controls all the dispensing parameters, such as pump speed, volume dispense, reservoir pressure and rotorspray control (if used). |
| **LOCTITE 97621 Volumetric Rotor Pump 1.0** | | LOCTITE 97621 Volumetric Rotor Pump 1.0 is a precision volumetric dispenser for accurate dispensing applications. |
| **LOCTITE 97611 Volumetric Rotor Pump 4.0** | | LOCTITE 97611 Volumetric Rotor Pump 4.0 is a precision volumetric dispenser for accurate dispensing applications. |
| **LOCTITE EQ VA20 Volumetric Dispense Valve** | | LOCTITE EQ VA20 Volumetric Dispense Valve is a positive displacement metering valve that dispenses a precise drop of adhesive with each cycle. |
| **LOCTITE EQ RC24 Pump Control System** | | LOCTITE EQ RC24 Pump Control System is used for precise control of volumetric eccentric rotor pumps. The RC24 consists of a touch-panel control as well as a brushless servomotor with integrated digital controller. |
| **LOCTITE Eccentric Rotor Pump (RD-EC Dispenser)** | | Self-priming, rotating displacement pump for relatively small capacities. The pump is ideally suited for dosing and pumping liquids with various viscosities up to pasty consistency. Operation direction is reversible, capacity proportional to speed. |

| Application | Benefits | Order No. |
|---|---|---|
| Depends on the supplementary equipment. | › Easy menu navigation allowing users to select either the amount of product dispensed (in µL) or the dispense rate (in µL/min)<br>› Designed to interface seamlessly with volumetric rotor pump<br>› Touch screen display for ease of use<br>› Connects directly to standard LOCTITE reservoirs<br>› Useful for all kinds of applications: drops, beads, potting | 1880232 |
| Anaerobic, light cure and acrylic adhesives with flow rates from 120 to 1,480 µL/min. | › High repeatability<br>› High accuracy + / -1 % valid up to 10,000 mPas<br>› Reversible direction of flow (suck-back) allows for an exact stoppage of the product flow<br>› Useful for all kinds of applications: drops, beads, potting | 1741601 |
| Anaerobic, light cure and acrylic adhesives with flow rates from 500 to 6,000 µL/min. | › High repeatability<br>› High accuracy + / -1 % valid up to 10,000 mPas<br>› Reversible direction of flow (suck-back) allows for an exact stoppage of the product flow<br>› Useful for all kinds of applications: drops, beads, potting | 1196160 |
| Light cure adhesives with volumes from 1.5 to 12 µL | › High speed automation up to 180 cycles per minute<br>› Easily fed from any LOCTITE reservoir<br>› Estimated lifetime ›1 million cycles<br>› Low maintenance requirement<br>› Ideal for needle bonding applications | 2084141 |
| Volumetric dispensing of high viscous and especially moisture sensitive adhesives such as SI's or SMP's | The RC24 consists of the following operating modes:<br>› Start/stop mode (bead dispensing)<br>› Quantity mode (dot dispensing) | 2636370 |
| Volumetric dispensing of high viscous and especially moisture sensitive adhesives such as SI's or SMP's | The volumetric dosing or conveying of silicones, adhesives, solder pastes, etc provides benefits like:<br>› Pulsation-free conveying<br>› Self-priming<br>› Dosing behavior along pressure<br>› Capacities from 0,1 l/h till few m³/h<br>› Easy to clean (CIP/SIP)<br>› Reversible conveying<br>› No dripping | 97665EC (IDH 1997131)<br>97669EC (IDH 1997123)<br>97663EC (IDH 1997130)<br>97668EC (IDH 1997128)<br>97660EC (IDH 1997132) |

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# SYRINGE AND CARTRIDGE DISPENSE SYSTEMS

| Product Name | | |
|---|---|---|
| **LOCTITE 142240 Manual Handgun** |  | LOCTITE 142240 Manual Handgun for plastic and aluminium cartridges. |
| **LOCTITE 97002 Pneumatic Handgun** |  | LOCTITE 97002 Pneumatic Handgun for plastic and aluminium cartridges. |
| **LOCTITE 98666 All Purpose Syringe Dispensing System** |  | LOCTITE 98666 All Purpose Syringe Dispensing System is a digital electro-pneumatic dispensing system. The system is delivered ready for operation, including dispensing needles, cartridge adapter, cartridge holder and foot switch. |
| **LOCTITE 97006 Precision Syringe Dispensing System** |  | LOCTITE 97006 Precision Syringe Dispensing System accurately dispenses adhesives or other fluids. Typical applications are the assembly of medical devices with UV adhesives and many applications directly from syringes. |
| **LOCTITE 97631 300ml Cartridge Pusher** |  | The 97631 Cartridge Dispenser is used to dispense LOCTITE products in 300ml cartridges such as gel-CA, anaerobics, epoxies and silicones. |

| Application | Benefits | Order No. |
|---|---|---|
| Adhesives and sealants in 290ml, 300ml and 310ml cartridges. | › Rapid-loading system to make cartridge changes clean and easy<br>› Ergonomically designed<br>› Simple and clean dispensing | 142240 |
| Adhesives and sealants in 290ml, 300ml and 310ml cartridges. | › Controlled flow from the cartridge<br>› Integrated pressure regulator<br>› Quick pressure relief to minimise run-on effect<br>› Ergonomically designed<br>› Simple and clean dispensing | 88632 |
| Adhesives and sealants in 10ml, 30ml, 55 ml and 300ml syringes / cartridges from low to high viscosity (5 mPas to paste). | › Digital timing control<br>› Compact design to minimise workspace requirement<br>› Vacuum suck back to ensure no drips or run-on<br>› Useful for all kinds of applications: drops, beads, potting | 883976 |
| Adhesives and sealants in 10ml, 30ml, 55ml and 300ml syringes / cartridges from low to high viscosity (5 mPas to paste). | › High precision syringe dispenser for maximum dispense accuracy and control<br>› Digital precision regulator for accurate flow control<br>› Vacuum suck back to ensure no drips or run-on<br>› Useful for all kinds of applications: drops, beads, potting | 88633 |
| Adhesives and sealants in 300ml syringes/cartridges from low to high viscosity (5 mPas to paste) | The Cartridge Dispenser 97631 is used to dispense bubble minimised LOCTITE products in 300ml cartridges such as gel-CA, anaerobics, epoxies and silicones. In connection with a dispensing valve or eccentric rotor pump it can be used in transfer lines, manual or automatic work places. | 854181 |

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# BENCHTOP ROBOTS

| Product Name | Parameters | Order No. |
|---|---|---|
| **LOCTITE EQ RB40 200D Benchtop Robot** | > 3 axes of movement<br>> 200 mm x 200 mm x 50 mm range of operation<br>> Accurate to within +/- 0.01 mm | 2104801 |
| **LOCTITE EQ RB40 300D Benchtop Robot** | > 3 axes of movement<br>> 300 mm x 300 mm x 100 mm range of operation<br>> Accurate to within +/- 0.01 mm | 2104799 |
| **LOCTITE EQ RB40 400D Benchtop Robot** | > 3 axes of movement<br>> 400 mm x 400 mm x 100 mm range of operation<br>> Accurate to within +/- 0.01 mm | 2104795 |
| **LOCTITE EQ RB40 500D Benchtop Robot** | > 3 axes of movement<br>> 500 mm x 500 mm x 100 mm range of operation<br>> Accurate to within +/- 0.01 mm | 2103369 |

Note: Teach Pendant (2268727) must be ordered separately.

In combination with tried and tested LOCTITE dispensing equipment, the Benchtop Robots provide maximum flexibility for complex dispensing applications. Manually loaded, they allow users to repeatedly and reliably dispense dots, beads and potting deposits. Suitable valves and syringes can be easily connected to the Benchtop Robots.

## ACCESSORIES

| Description | Order No. |
|---|---|
| 30 and 55ml syringe holder | 1328355 |
| 30 and 55ml syringe mounting bracket kit | 569764 |
| 3 ¾ inch mounting rail with two cap screws | 577151 |
| 300ml cartridge mounting bracket kit | 590762 |
| 98009, 98013, 1730181 valve robot mounting bracket kit | 577150 |
| 97113 and 97114 valve mounting bracket kit | 585942 |
| Interface cable | 1329222 |
| Solenoid valve module | 591031 |
| Robot needle calibration kit | 1569523 |
| Teach pendant for RB40 Benchtop Robot | 2268727 |
| I/O junction box | 1461974 |
| Z height adjustment plate | 591001 |
| Adapter cable; 9-pin female D-shell to 3.5 mm plug | 1053227 |
| EQ ACCE D-Series Robot Software Kit | 2148218 |

**Guarded Enclosure (contact technical services for information)**
A light guard protected enclosure is available for each robot size. Such an enclosure ensures operator safety and comfort when handling our Benchtop Robots.

## 2K DISPENSING SYSTEMS

| Product Name | | |
|---|---|---|
| **LOCTITE 96001**<br>**Dual Cartridge Handgun** | | LOCTITE 96001 Dual Cartridge Handgun is a manually operated dispenser to apply 1:1 and 2:1 mix ratio products from 50ml packs. |
| **LOCTITE 97042**<br>**Pneumatic Dual**<br>**Cartridge Handgun** | | LOCTITE 97042 Pneumatic Dual Cartridge Handgun is a pneumatic dispenser to apply 1:1 mix ratio products from 50ml packs. |
| **LOCTITE 983438**<br>**Manual Dual**<br>**Cartridge Handgun** | | LOCTITE 983438 Manual Dual Cartridge Handgun is a manually operated dispenser to apply 1:1 and 2:1 mix ratio products from 400ml packs. |
| **LOCTITE 983439**<br>**Pneumatic Dual**<br>**Cartridge Handgun** | | LOCTITE 983439 Pneumatic Dual Cartridge Handgun is a pneumatically operated dispenser to apply 1:1 and 2:1 mix ratio products from 400ml packs. |
| **LOCTITE EQ MM10**<br>**50 ml Dual Cartridge**<br>**Dispenser** | | LOCTITE EQ MM10 50 ml Dual Cartridge Dispenser provides highly accurate control for applying drops or small beads of 2K adhesives. It can be used as a stationary dispenser or can be integrated with the LOCTITE Benchtop Robots. |
| **LOCTITE 97160**<br>**Dual Rotor Pump**<br>**Controller** | | LOCTITE 97160 Dual Rotor Pump Controller provides all the functions required to control the EQ MM25 Dual Rotor Pump providing precise control of the rotation speed. It can be interfaced with a higher ranking PLC for integration into automatic systems. |
| **LOCTITE EQ MM25**<br>**Dual Rotor Pump** | | LOCTITE EQ MM25 Dual Rotor Pump consists of two compact rotor pumps connected by a manifold where the two adhesive components are brought together. The individual rotor pump speeds can be controlled to provide adhesive mix ratios from 1:1 to 10:1. |
| **LOCTITE EQ MM30**<br>**Dual Cartridge Pusher** | | LOCTITE EQ MM30 Dual Cartridge Pusher is used as a supply unit for volumetric 2K dispensers, such as the EQ MM25 Dual Rotor Pump. Two independent piston rods are mechanically driven and include path measurement to increase the process reliability. |

| Application | Benefits | Order No. |
|---|---|---|
| 2K epoxy, polyurethane and hybrid products in 50ml cartridges. | › Convenient, cost-effective method of application<br>› Good ergonomic features to minimise operator fatigue | 267452 |
| 2K epoxy, polyurethane and hybrid products in 50 ml dual cartridges. | › Lightweight and ergonomic design for easy use<br>› Integrated air pressure regulator<br>› Convenient 8-position thumb wheel pressure adjustment to control the dispense rate | 476898 |
| 2K epoxy and silane modified polymer (SMP) products in 400ml cartridges. | › Convenient, cost-effective method of application<br>› Conversion kit is available to convert this applicator to 4:1 (478553) | 218312 |
| 2K epoxy, silane modified polymer (SMP) and hybrid products in 400ml cartridges. | › Convenient, cost-effective method to apply product and eliminates hand fatigue<br>› Integrated air pressure regulator for precise flow control<br>› Conversion kit is available to convert this applicator to 4:1 (478552)<br>› 10:1 handgun option (470572) | 218311 |
| 2K products including epoxy, acrylic and hybrid technology from 50ml cartridges. Three options are available:<br>1) 1:1/2:1 "A" style cartridge<br>2) 1:1/2:1 "B" style cartridge<br>3) 4:1/10:1 "B" style cartridge | › Clean cut-off due to precision anti-drip dispense valve<br>› Independent cartridge pressure and actuation to control adhesive flow<br>› Light weight design suits use with LOCTITE Benchtop robots | 1) 1633364<br>2) 1633365<br>3) 1633366 |
| 2K methyl methacrylate (MMAs), epoxy, silicone and hybrid products in 400ml cartridges (or individual reservoirs). | › Easy menu navigation to allow users to select either the amount of product dispensed (in ml) or the dispense rate (in ml/min)<br>› Very high repetition accuracy<br>› Automatic purge feature to prevent mixer nozzle curing | 1533495 |
| 2K methyl methacrylate (MMAs), epoxy, silicone and hybrid products in 400ml cartridges. | › Reversible direction of flow (suck-back) allows for an exact stoppage of the product flow<br>› Designed for use in many applications from stationary work cells to integration with LOCTITE benchtop robots | 1774437 |
| 2K methyl methacrylate (MMAs), epoxy, silicone and hybrid products in 400ml cartridges. | › Mixing ratio and dispensed volume can be monitored via path measurement and mechanical pointers<br>› Low level sensing<br>› Independent pressure control | 1529531 |

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# LIGHT CURE SYSTEMS

| Product Name |
|---|

### LOCTITE EQ CL25 LED Spot Cure Controller and Accessories

LOCTITE EQ CL25 LED Spot Cure Controller is the universal controller that can be interfaced with up to four individual LED curing heads.

**Accessories (to be ordered separately) / Order No.:**
> EQ CL25 LED Spot Cure Controller / 1473952
> Short LED Head 365 nm / 1984957
> Short LED Head 405 nm / 2104788
> Ø 3 mm Lens / 1305335
> Ø 6 mm Lens / 1305333
> Ø 10 mm Lens / 1305332
> 1.7 m Connector Cable / 1305339
> 3.0 m Connector Cable / 1984961
> 10 m Connector Cable / 1305337
> UV Power Meter / 1523721

### LOCTITE EQ CL32 LED Spot 365 nm / 405 nm

LOCTITE EQ CL32 LED Spot is a UV/visible light emitting light source. This system offers a high powered, portable light source capable of consistently curing many light cure products that respond to UV/visible light. Due to its unique LED technology, it can provide instant on/off performance and consistent light output. It can be run on its rechargeable batteries or while plugged to the included wall plug adapter.

### LOCTITE 97055 UVALOC 1000

LOCTITE 97055 UVALOC 1000 chamber is the optimum UV curing chamber that is designed for manual loading and unloading of components to be cured. The emission spectrum of the lamp and radiant power capacity have been designed specifically to meet the requirements of UV curable LOCTITE adhesives.

### LOCTITE EQ CL30 Quad Controller

LOCTITE EQ CL30 Quad Controller supplies power and control for up to four LOCTITE LED Flood Arrays. Choose from 365 nm, 380 nm and 405 nm wavelengths. The LED Flood Array wavelength is selected according to the curing requirements of the adhesive.
**Items to be ordered separately / Order No.:**
> EQ CL30 LED Flood Head 365 nm / 2139182
> EQ CL30 LED Flood Head 405 nm / 2139180
**Single Controller System:**
**Items to be ordered separately / Order No.:**
> 97104 LED Flood Controller / 1359255
> 97360 LED Curing Chamber / 1511839

### LOCTITE EQ PM20 UV Radiometer

LOCTITE EQ PM20 UV VIS Radiometer/Dosimeter is an industry first for measurement of LED Light Curing devices. The flat response curve makes it uniquely qualified to measure narrow band wavelengths of LED Light Curing devices. It can also be used with Curing Chambers, Conveyors, and Flood Lamps. This unit combines the all-in-one exposure, intensity measurement, and profile memory capability into one device.
> EQ PM20 UV VIS Radiometer 350 – 660 nm / 2436352
> EQ PM20 UV AB Radiometer 280 – 395 nm / 2436353

| Application | Benefits | Order No. |
|---|---|---|
| UVA and UVV curing products. | › No heat at curing area<br>› High intensity output – up to 20 W/cm$^2$<br>› Long LED lifetime – 20,000 hours<br>› Compact size controller | Please see description |
| UVA and UVV curing products. | › Combines handheld and stationary unit in one device<br>› Robust aluminium housing<br>› Ergonomic finger switch<br>› Rechargeable using mini-USB adapter<br>› Long focus length to allow for variable handheld application | 365 nm: 2182210<br>405 nm: 2182207 |
| UVA, UVC and UVV curing products. | › Standard unit supplied with a 1,000 W medium pressure mercury arc lamp to provide good tack-free and depth cure<br>› Optional visible light bulb for plastic bonding<br>› Optional iron-doped bulb for maximum depth of cure<br>› Complete shielding of operator from exposure to UV light<br>› High process safety due to the integrated UV monitoring system | 805741 |
| UVA and UVV curing products. | › High intensity at 50 mm distance (365 nm: >500 mW/cm$^2$, 405 nm: >1,000 mW/cm$^2$)<br>› Typical lifetime >20,000 hours<br>› LED arrays stackable side by side<br>› No warm-up or cool-down period required<br>› 144 individual LEDs<br>› Energy efficient as LEDs produce minimal wasted energy | Please see description |
| UV AB / VIS radiometers | › Measuring UVA/UVB and visible light | 2436353 / 2436352 |

# DISPENSE NEEDLES, MIXERS AND ACCESSORIES

Henkel offers suitable stationary accessories (such as nozzles, mixers etc.) for all pieces of equipment. In order to find the optimal nozzle or mixer, please contact your Henkel representative.

## Flexible Dispensing Tips: Dispensing Needle, Polypropylene (PPF), Helical Thread

| Illustration / Example | Item No. | Order No. | Pack Size | Colour | Gauge | Inner Ø, mm |
|---|---|---|---|---|---|---|
|  | 97229 | 142640 | 50 pcs | Amber | 15 | 1.37 |
| | 97230 | 142641 | 50 pcs | Green | 18 | 0.84 |
| | 97231 | 142642 | 50 pcs | Pink | 20 | 0.61 |
| | 97232 | 142643 | 50 pcs | Red | 25 | 0.25 |

## Tapered Dispensing Tips: Dispensing Needle, Polyethylene – Conical (PPC), Luer-Lock

| Illustration / Example | Item No. | Order No. | Pack Size | Colour | Gauge | Inner Ø, mm |
|---|---|---|---|---|---|---|
|  | 97221 | 88660 | 50 pcs | Grey | 16 | 1.19 |
| | 97222 | 88661 | 50 pcs | Green | 18 | 0.84 |
| | 97223 | 88662 | 50 pcs | Pink | 20 | 0.61 |
| | 97224 | 88663 | 50 pcs | Blue | 22 | 0.41 |

## High Precision Dispensing Tips: Dispensing Needle, Stainless Steel Standard (SSS), Luer-Lock

| Illustration / Example | Item No. | Order No. | Pack Size | Colour | Gauge | Inner Ø, mm |
|---|---|---|---|---|---|---|
|  | 97225 | 88664 | 50 pcs | Amber | 15 | 1.37 |
| | 97226 | 88665 | 50 pcs | Green | 18 | 0.84 |
| | 97227 | 88666 | 50 pcs | Pink | 20 | 0.61 |
| | 97228 | 88667 | 50 pcs | Red | 25 | 0.25 |

## Additional Dispensing Tips and Mixer Nozzles

| Illustration | Item No. | Order No. | Pack Size | Description |
|---|---|---|---|---|
|  | 98741 | 1146079 | 50 pcs | Dispensing needle, stainless steel – PTFE-lined (SSTL), 25 gauge |
|  | 97262 | 218288 | 2 each | Needle selection pack: 2 each of a variety of dispensing needles |
|  | K1003100 | 88805 | 50 pcs | Formable dispensing tip, 21 gauge / 0.5 mm |
|  | 97248 | 218275 | 50 pcs | Luer-Lock® tip caps |
|  | 97233 | 88672 | 20 + 5 pcs | Luer-Lock® adapter kit: 20 Luer-Locks® and 5 adapters |
|  | 97207 | 88656 | 40 pcs | 10 ml clear syringe barrel kit |

## Additional Dispensing Tips and Mixer Nozzles

| Illustration | Item No. | Order No. | Pack Size | Description |
|---|---|---|---|---|
| | 97283 | 529462 | 40 pcs | 10ml amber syringe barrel kit, for UV products |
| | 97263 | 218287 | 40 pcs | 10ml black syringe barrel kit, for UV and light cure adhesives |
| | 97208 | 88657 | 2 pcs | 10ml syringe airline adapter |
| | 97244 | 88677 | 20 pcs | 30ml clear syringe barrel kit |
| | 97264 | 218286 | 20 pcs | 30ml black syringe barrel kit, for UV and light cure adhesives |
| | 97245 | 88678 | 2 pcs | 30 ml syringe airline adapter |
| | 97290 | 397462 | 50 pcs | All plastic precision dispensing tip, 20 gauge |
| | 984569 | 1487440 | 10 pcs | Static mixer for epoxy and PU in 50ml, SQ 5.3-24 |
| | 984570 | 1487439 | 10 pcs | Static mixer for epoxy in 200 / 400ml, SQ 7.5-24 |
| | 1034575 | 1034575 | 10 pcs | Static mixer MBX 6.5-20-S 10:1 for LOCTITE AA 3038 |
| | 8953593 | 1248606 | 10 pcs | Spray mix nozzle for LOCTITE PC 7255 |
| | 8953186 | 1104046 | 10 pcs | Static mixer 4:1 / 10:1 for 400 / 490ml, MCX 08-18 |
| | 5289010 | 545996 | 10 pcs | Static mixer 1:1 for acrylics in 50ml, MA 6.3-7 |
| | 98457 | 720174 | 10 pcs | Static mixer 1:1 / 2:1 in 200 / 400ml, MC 8-24 |
| | 863585 | 367545 | 10 pcs | Static mixer 1:1 for MS polymers in 410ml, MC 13-18 |
| | 8953187 | 1104047 | 10 pcs | Static mixer 4:1 / 10:1 in 400 / 490ml, MCX 08-24 |
| | 8955989 | 1453183 | 10 pcs | Static mixer for LOCTITE 3090 and LOCTITE 4070, MLX 2.5-16-5 |
| | n.a. | 1826921 | 10 pcs | Static mixer 1:1 / 2:1 in 50ml, MBH 3.2-16 S |
| | n.a. | 1573153 | 10 pcs | Static mixer 1:1 / 2:1 in 50ml, MBQ 5.0-24 L |
| | n.a. | 1573135 | 10 pcs | Static mixer 1:1 / 2:1 in 400ml, MFH 6.0-34 T |

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