



ECOStitch™ MX VALVES & APPLICATORS

All-Electric Adhesive Dispensing Valve Featuring EcoStitch Technology

Valco Melton's MX electric hot melt valve is the workhorse for most Valco Melton hot melt dispensing solutions. The MX electric valve can operate at extremely high speeds reaching 15,000 cycles per minute for short bursts and have a lifetime capable of more than 2 billion cycles depending on operating conditions. The MX electric valve is used for many different applications including Packaging, Folding Carton, Sift Proof Packaging and Slot Coat applications. The MX is widely known as the EcoStitch capable valve in Food and Beverage packaging where end users see their adhesive usage reduced by up to 75% for instant ROI and process improvement.

MX Gun Configurations:



Standard In Line Applicator

This is a single module slim profile gun used in carton erecting and sealing as well as small tray and carton forming.



Compact Applicator

This small and compact design is uniquely configured for wrap around case packers and packaging "combiners" where space is limited and small profile is required.



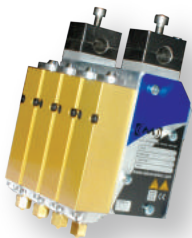
Low Profile Applicators

These are most commonly used in case erecting and sealing applications where the flaps of the carton or case close as the glue is being applied. These are also available in multi-module setups with dual and quad module low profile configurations being the most common.



Folding Carton Assembly

This assembly features the Compact Applicator configured with a mounting bar with photo eye bracket and guide for use with high speed folding carton manufacturing.



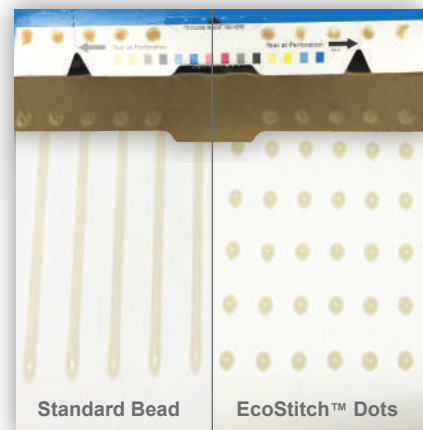
Multi-Module Applicators

The MX gun is configurable for whatever number of valves or spacing your application requires. Whether it's dual, quad or six module gun with variable spacing, nearly any possible configuration is available and easily adaptable to your existing machine using a common footprint design.



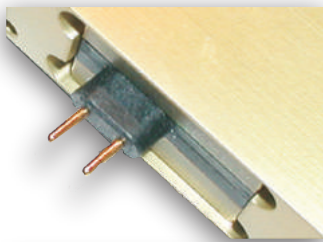
Washdown Applicators

All Standard, Multi-Module and Low Profile Applicators are available in a washdown configuration for use with water wash or wet environment heated hoses. This is most common in dairy and beverage manufacturing where machine washdowns commonly occur.



EcoStitch™ dot pattern maintains bond integrity and achieves strong fiber tear, all while using less adhesive

Features:

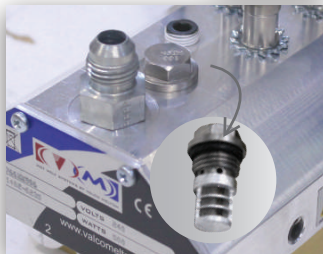


The "quick-connect" coil allows for easy change-outs between valve configurations. All the connections to melt units are 100% compatible with existing hot melt equipment.



Slot Coat Module

The MX Slot Coat module is ideal for narrow web coating and intermittent slot coat application. This MX valve can work with any of the Standard and Multi-Module Applicators.



The EcoStitch™ Applicator comes standard with an integrated filter in the manifold.



Sift-Proof/Multi-Bead Module

The MX Sift Proof module is ideal for sift proof applications in food packaging applications with granular material as well as in book binding for hard back spine gluing. The blade sets can be configured for up to 6 mini lines per module and is compatible with both the Standard and Multi-Module Applicators.

EcoStitch Drivers and Pattern Controls

Valco Melton's Pattern Controls provide a customized signal that fires the EcoStitch MX Valve.

VD Drivers provide EcoStitch control utilizing existing PLC recipes.



VD2 Panel Mount



VD2 External Mount

Technical Specifications

| EcoStitch™ Characteristics | |
|----------------------------|---------------------------------------|
| Valve Width | 22 mm (0.860 in) |
| Valve Height | 155 mm (6.10 in) |
| Mounting | 12.70 mm (0.500 in) round bar |
| Fluid Pressure | 70 bar (1000 psi) |
| Life Cycle | 2 billion cycles* |
| Max. Cycle rate | 15,000 cycles/min for short durations |
| Performance | 2 msec dispense, 2 msec gap |

* Depending on operating conditions



For more information, visit valcomelton.com or contact your local Valco Melton representative.

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MS SERIES

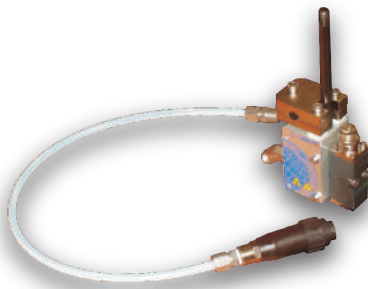
Hot Melt Modular Guns

The new Valco Melton MS Series offers precise and flexible control for a variety of dispensing applications, ensuring optimal uniformity and quality. The MS Series features an industry standard compatible platform, easy-to-access heaters and RTD's, as well as multiple fluid port locations. All MS gun manifolds utilize high quality components and universal mounting brackets for easy configuration into any installation. The MS Series is available in both standard and washdown cordset options and are adaptable to any in-line filter assembly. The MS Series also uses an exclusive and unique single and multi-modular design for greater flexibility and faster delivery times.

Key Highlights:

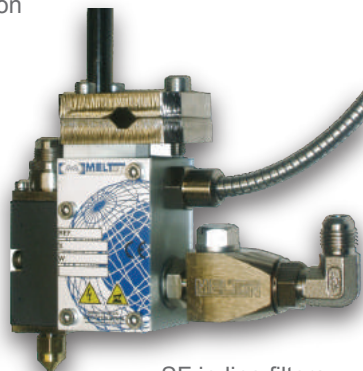
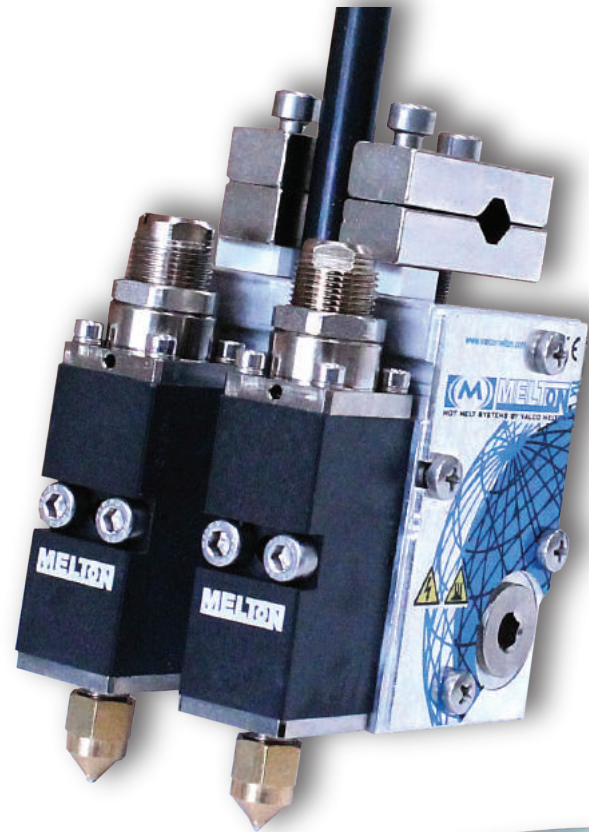
- 100% compatibility with other industry standard spare parts
- Improve production levels with high performance
- Flexible to your work requirements
- Durable design
- Manufactured and quality tested for reliability and accurate adhesive placement
- Choose from the largest variety of compatible modules and nozzles in the industry to fit your exact needs.
- CE certified

Exclusive single modular and multi-modular profile



Old format option

Pneumatic and mechanic opening and closing system



SF in-line filters: straight, 45° and 90°



100% industry compatible connectors



MS Standard Bead



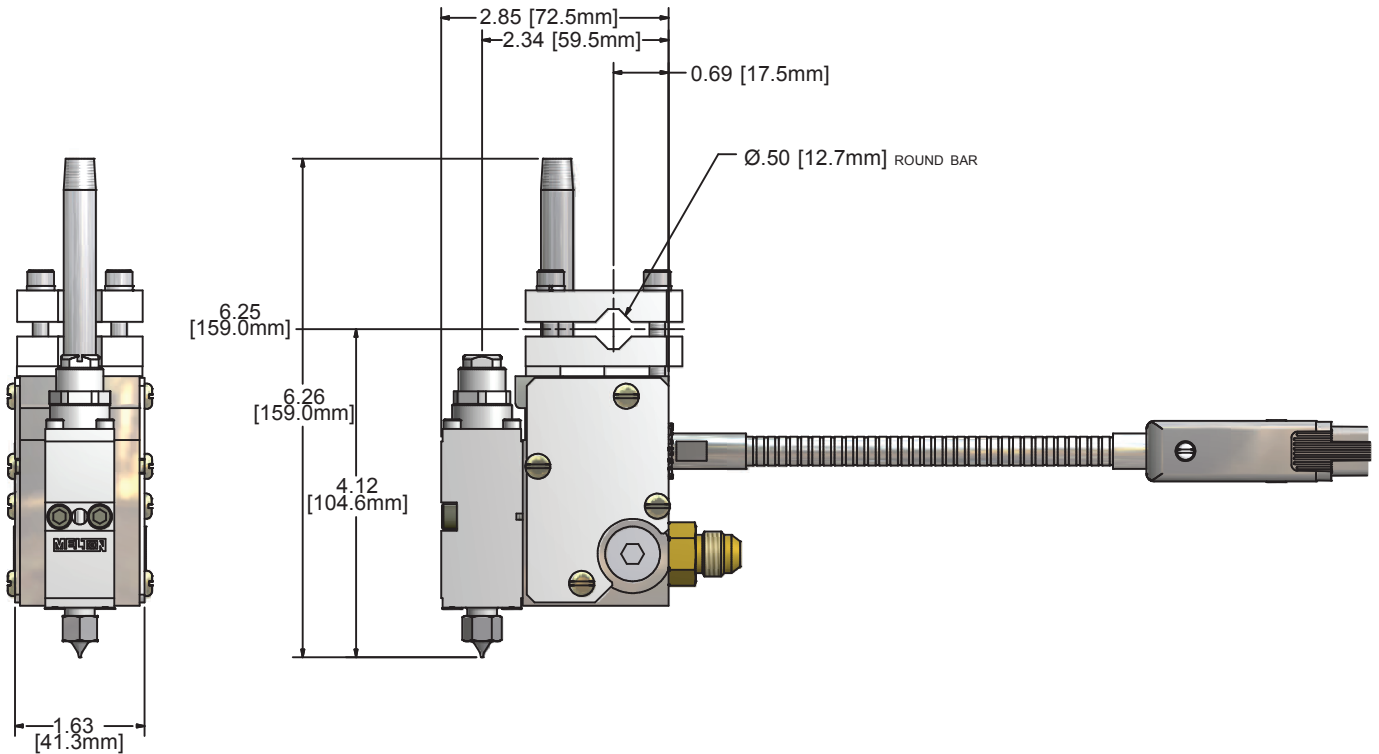
MS CVO and CVR



MS CH20 and High Flow

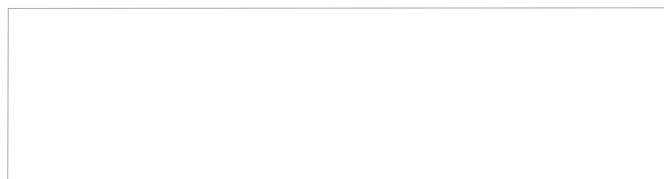


MS L20 and Multi-Line



MS Series Technical Characteristics

| | |
|----------------------------|--------------------------|
| Maximum Hydraulic Pressure | 100 bar |
| Maximum Temperature | 240° C |
| Temperature Sensor | Ni120, PT 100, FEKO, NTC |
| Pneumatic Pressure | 4 - 6 bar |
| Opening System | AOSC |
| Max Cycle Rate | 2400 cycles/min |



For more information, visit <http://hub.am/17QRrMN> or contact your local Valco Melton representative.

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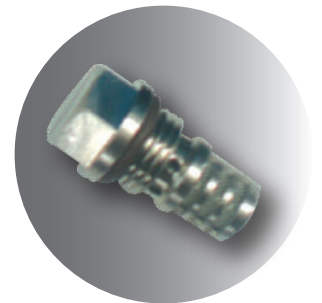
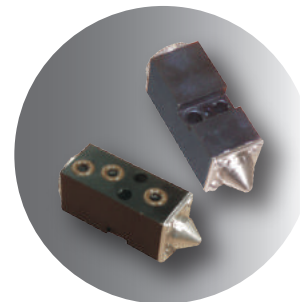
MK SERIES

Micro-Gun Series

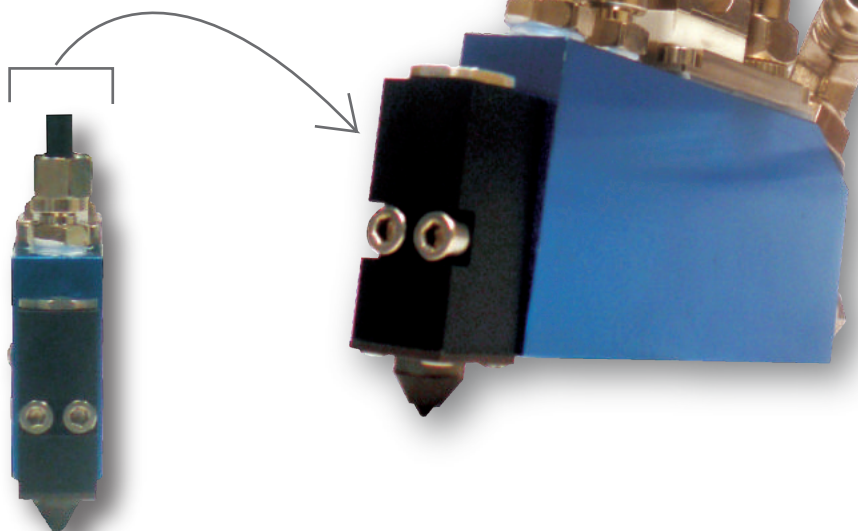
Valco Melton's MK Gun Series requires minimal space for an easy installation. This simple modular design provides optimal configuration flexibility, adapting easily to customer needs. The 15 mm CZ mini-modules supply a perfect, uniform cut-off in the tightest places.

- Minimal space required for installation and maintenance
- Sharp cut-off for a clean application
- Easy configuration modular design
- Self-cleaning
- Water resistant
- 100% compatible spare parts and connections

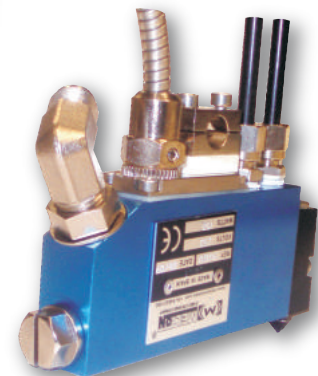
CZ and AOAC mini-modules provide a clean cut-off for a perfect application

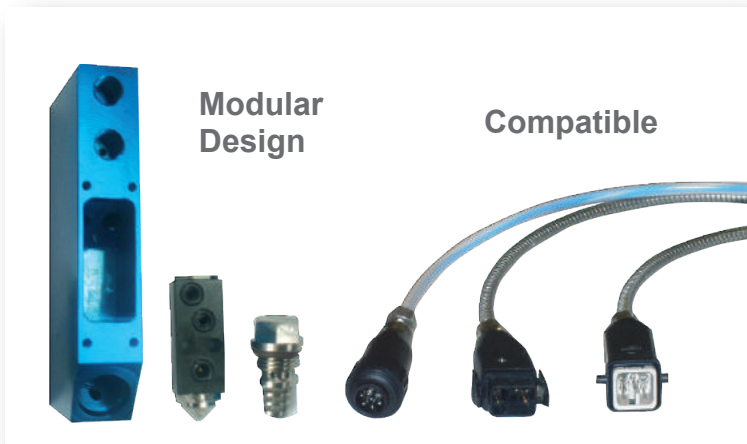


Integrated mini-filter collects contaminants to maintain adhesive quality



Narrow and modular profile saves space and allows for fast change-outs





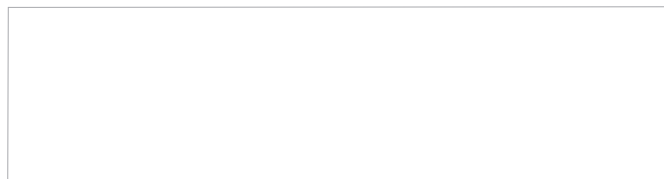
Valco Melton offers a complete selection of hot melt components and support equipment:

- RTD hot melt hoses
- Manual and automatic dispensing valves
- Nozzle and applicator styles
- Mounting bracket packages
- Solid-state pattern control systems
- In-line filters
- Replacement parts for competitive systems
- High-performance hot melt adhesives

Valco Melton's MK Compact Dispensing Guns are ideal for packaging applications in a restricted space. Supplied with a 100% compatible connection and parts, this flexible, simple and universal modular design provides an easy configuration.

Technical Specifications

| MK Series Characteristics | |
|----------------------------|---------------------------|
| Maximum Hydraulic Pressure | 100 bar |
| Maximum Temperature | 230° C/ 446° F |
| Temperature Sensor | Ni 120; PT 100; FEKO; NTC |
| Pneumatic Pressure | 4 - 6 bar |
| Opening System | AOAC |
| Cycle Rate | 3500 cycles/ min |



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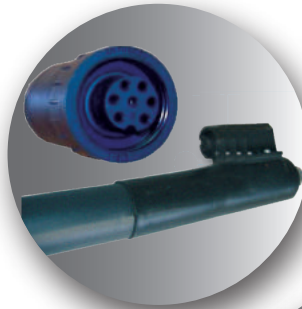
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HOT MELT HOSES

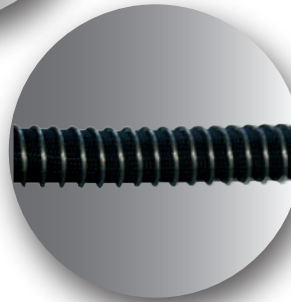
Engineered for Durability and Longevity

As a world leader in adhesive application engineering, Valco Melton is able to offer a larger range of hot melt hoses with improved market standard adaptability. Valco Melton hoses are the ideal solution for quality hot melt transport and optimal benefits.

- Industry standard compatible
- Flexible
- Interchangeable
- Versatile & dependable for all applications
- Proven design & quality guaranteed
- Long lasting design to remain "char" free
- "Nomex" and Flex Foam insulation for the best insulation and temperature stability in the industry



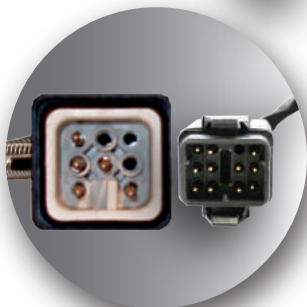
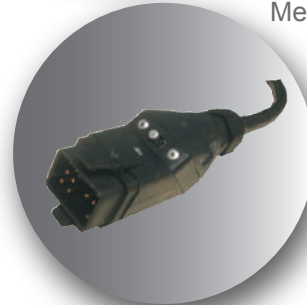
Washdown hoses option available with specialty fittings and rubber covers



Spring accessory and corrugated covers improve hose protection



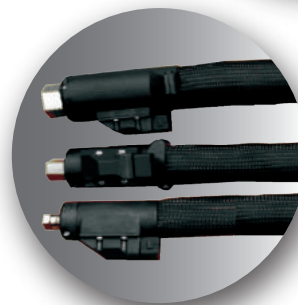
Dual RTD Hot Melt Hoses



Electrical connections are compatible with market standards



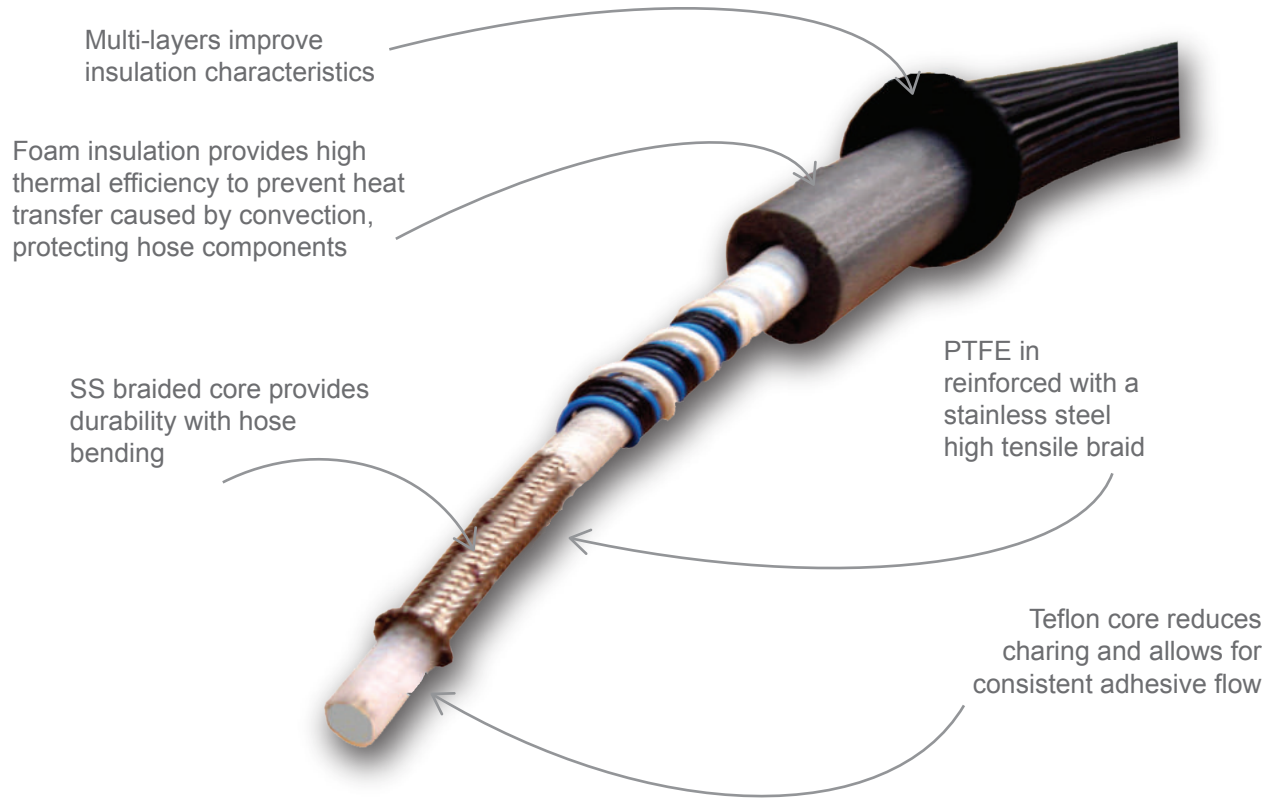
Hoses available with harding connectors



Convertible connectors go from Straight to 90 degrees for easy connections

An ample range of diameters and lengths:

- \varnothing 6mm, \varnothing 8mm, \varnothing 10 mm, \varnothing 12 mm, \varnothing 16 mm
- Up to 26 m length



- Valco Melton manufactures hot melt hoses using top of the line market components that are 100% mechanically and electronically interchangeable
- Hot Melt Hoses are temperature sensed by Ni-120 or PT-100 RTD
- Accessories include brackets, fittings, hose protectors, corrugated and braided covers
- Valco Melton hoses are CE certified

Technical Specifications

| Characteristics | Hot Melt Hoses | | | |
|---------------------------------|--------------------------------|-----|-----|-----|
| Maximum Working Temperature | 220°C | | | |
| Internal Diameter (mm) | Ø8 | Ø13 | Ø16 | Ø20 |
| Maximum Working Pressure (bar) | 100 | 100 | 100 | 80 |
| Power Consumption (W/m) | 150 | 175 | 195 | 200 |
| RTD | PT-100/ NI-120/ NTC 1000/ FEKO | | | |
| Minimum Curvature Radius (180°) | 160 mm | | | |
| Voltage | 200-240 VAC | | | |



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