

Meiko DV40T, DV120T, DV80T, DV40N

Meiko Dishwasher Spring Tensioner Instruction Manual

Models: DV40T FA, DV40T, DV120T, DV80T, DV40N

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Meiko Dishwasher Spring Tensioner. This component is a critical replacement part designed to ensure the proper functionality of your Meiko commercial dishwasher models DV40T FA, DV40T, DV120T, DV80T, and DV40N. It plays a vital role in mechanisms requiring controlled tension, such as door balancing or basket movement systems.

Please read these instructions carefully before attempting any installation or maintenance to ensure safe and correct usage.

2. SAFETY INFORMATION

- **Electrical Safety:** Always disconnect the dishwasher from the main power supply before performing any installation, maintenance, or repair work.
- **Personal Protective Equipment:** Wear appropriate personal protective equipment (e.g., gloves, safety glasses) to prevent injury during handling and installation.
- **Professional Installation:** Installation of internal dishwasher components should ideally be performed by a qualified technician to ensure safety and proper function.
- **Sharp Edges:** Be aware of potential sharp edges or moving parts within the dishwasher during installation.
- **Original Parts:** Use only genuine Meiko replacement parts to ensure compatibility and maintain the safety and performance standards of your appliance.

3. PRODUCT OVERVIEW

The Meiko Dishwasher Spring Tensioner is a precisely engineered component designed to provide the necessary mechanical tension within specific dishwasher systems. Its robust construction ensures durability and reliable performance in demanding commercial environments.



Figure 1: Meiko Dishwasher Spring Tensioner. This image displays a metallic rod, partially threaded along its length, with a distinct hook shape at one end. The threading is visible on approximately half of the rod's length, while the other half is smooth, leading to the curved hook. This component is designed to apply tension within a mechanical system.

4. SETUP AND INSTALLATION

The spring tensioner is an internal component. Its installation typically involves replacing an existing, worn, or broken part. Due to the specific mechanical requirements and potential hazards, professional installation is highly recommended.

General Installation Steps (Consult Service Manual for Specifics):

1. **Disconnect Power:** Ensure the dishwasher is completely disconnected from the electrical supply.
2. **Access Component:** Depending on the dishwasher model and the specific location of the tensioner, access panels or other components may need to be removed. Refer to your dishwasher's service manual for detailed access procedures.
3. **Remove Old Tensioner:** Carefully detach the old spring tensioner, noting its exact orientation and connection points. Be cautious as springs can release tension suddenly.
4. **Install New Tensioner:** Position the new Meiko spring tensioner in the same manner as the old one. Securely attach it to its designated connection points. Ensure it is properly seated and tensioned according to the dishwasher's specifications.
5. **Reassemble:** Reattach any removed panels or components.
6. **Test Functionality:** Reconnect power and perform a functional test to ensure the tensioner operates correctly (e.g., door opens/closes smoothly, baskets move as intended).

5. OPERATING PRINCIPLES

Once correctly installed, the spring tensioner operates passively as part of the dishwasher's mechanical system. It maintains consistent tension, which is crucial for:

- **Door Balancing:** Ensuring the dishwasher door opens and closes smoothly and stays in position when partially open.
- **Basket Movement:** Facilitating the smooth extension and retraction of dish racks or baskets.
- **Component Stability:** Providing stability to various internal moving parts, preventing excessive vibration or wear.

No direct user operation is required for this component; its function is integral to the overall mechanical design of the dishwasher.

6. MAINTENANCE

The Meiko spring tensioner is designed for long-term reliability. Regular maintenance of the dishwasher as a whole will contribute to the longevity of all its components. Specific maintenance for the tensioner includes:

- **Visual Inspection:** Periodically inspect the tensioner for signs of wear, corrosion, or damage during routine dishwasher maintenance.
- **Functionality Check:** Observe the operation of the dishwasher door and baskets. Any stiffness, looseness, or unusual movement may indicate an issue with the tensioner or related components.
- **Cleaning:** Ensure the area around the tensioner is free from debris or food particles that could impede its movement.

If significant wear or damage is observed, replacement is recommended to prevent further issues with the dishwasher.

7. TROUBLESHOOTING

Issues related to the spring tensioner typically manifest as problems with the dishwasher's mechanical movements.

Symptom	Possible Cause	Recommended Action
Dishwasher door does not stay open or slams shut.	Worn or broken door spring tensioner.	Inspect the door spring and tensioner. Replace if damaged.
Dishwasher baskets are difficult to pull out or push in.	Tensioner related to basket mechanism is faulty or misaligned.	Check basket rollers and tensioning system. Replace tensioner if it is the cause.
Unusual noises during door or basket movement.	Friction or damage to the tensioner or its mounting points.	Inspect for obstructions, wear, or damage. Lubricate if appropriate, or replace the tensioner.

If troubleshooting does not resolve the issue, or if you are unsure about the repair, contact a qualified service technician.

8. SPECIFICATIONS

- **Brand:** Meiko
- **Part Type:** Spring Tensioner

- **Compatible Dishwasher Models:** DV40T FA, DV40T, DV120T, DV80T, DV40N
- **Usage:** Dishwasher
- **Manufacturer Reference:** 4251391671133
- **ASIN:** B078HZ2RFP

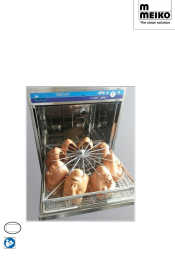
9. WARRANTY AND SUPPORT

Warranty information for this replacement part is typically provided by the seller or the original equipment manufacturer (Meiko). Please refer to your purchase documentation or contact the vendor from whom you acquired this part for specific warranty terms and conditions.

For technical support, installation assistance, or to inquire about service, it is recommended to contact a certified Meiko service provider or the supplier of the part. Always provide your dishwasher model number and the part's reference number when seeking support.

Related Documents - DV40T, DV120T, DV80T, DV40N

	MEIKO ACTIVE KSPL Safety Data Sheet Comprehensive safety data sheet for MEIKO ACTIVE KSPL, detailing hazard identification, composition, first aid measures, handling, storage, and regulatory information.
	MEIKO UPster K-M280 Rack Type Dishwasher with Drying Zone - Technical Specifications Detailed technical specifications and features of the MEIKO UPster K-M280 rack type commercial dishwasher, including dimensions, consumption data, electrical requirements, and highlights.
	MEIKO FV 40.2/40.2G Glass and Dishwasher Installation, Operation, and Maintenance Manual Comprehensive guide for the MEIKO FV 40.2/40.2G glass and dishwasher, covering installation, operation, maintenance, safety, and troubleshooting. Learn about product features, usage guidelines, and care instructions for optimal performance.

	MEIKO M-iQ Flight Type Dishwashing Machine Operating Instructions Detailed operating instructions for the MEIKO M-iQ flight type dishwashing machine, covering installation, safe operation, cleaning, maintenance, and troubleshooting for commercial use. Essential guide for optimal performance and longevity.
	MEIKO UPster U 400 M2 Operating Instructions Comprehensive operating instructions for the MEIKO UPster U 400 M2 glass and dishwashing machine. This guide covers safety, product description, assembly, commissioning, operation, maintenance, cleaning, and disposal.
	MEIKO TopClean for Face Masks Operating Instructions Comprehensive operating instructions for the MEIKO TopClean multi-washer and disinfection machine designed for face masks. This guide covers setup, operation, safety, maintenance, and troubleshooting.



[\[pdf\]](#) Catalog

meikoDV120T DV40N DV40T FA DV80T ECO STAR 430F 530F 545D FR30G AB 1992 FR40G 1980 1983 FR40GUS 1980Meiko NLDgev online catalogs Meiko NLD |||
 GAS ELEKTRA WATER MECHANIEK GEREEDSCHAP Reparatie-onderdelen passend voor MEIKO Het complete assorti ... el verwarmingselement speciale bevestiging bevestigingsafstand 21mm Voor modellen: **DV120T**, **DV40N**, **DV40T**, **DV40T** FA, **DV80T**, ECO STAR 430F, ECO STAR 530F, ECO STAR 545D, FR30G, FR30G AB 1992, FR40G AB ...

lang:nl **score:94** filesize: 14.76 M page_count: 132 document date: 2018-01-26



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HERRAMIENTAS COMPONENTES MECÁNICOS Meiko ESP gev online catalogs |||
 COMPONENTES GAS COMPONENTES EL CTRICOS TECNOLOG A DEL AGUA COMPONENTES MEC NICOS HERRAMIENTAS Rep ... o 8.5mm resistencia de inmersi n sujeci n especial distancia de sujeci n 21mm DV120T, **DV40N**, **DV40T**, **DV40T** FA, **DV80T**, ECO STAR 430F, ECO STAR 530F, ECO STAR 545D, FR30G, FR30G AB 1992, FR40G AB ...

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Dishwashing spare parts include heating elements such as immersion and dry types O rings DISH MEIKO ENU gev online Media Default Kataloge als Spültechnik 2018 EN |||
 Spare Parts for Dishwashing Spare parts suitable for MEIKO 2018 Find the complete and up-to-date ... ale faston 6.3mm tube 8.5mm immersion heater special fixing mounting distance 21mm **DV120T**, **DV40N**, **DV40T**, **DV40T** FA, **DV80T**, ECO STAR 430F, ECO STAR 530F, ECO STAR 545D, FR30G, FR30G AB 1992, FR40G AB ...

lang:en **score:69** filesize: 13.72 M page_count: 120 document date: 2018-04-11



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Dishwashingdosing pump SEKO speed control 1 7l h 230VAC detergent hose ø 6mm type electric dosing pumps Delta GEV No 3610231 Ref 0260024DISH MEIKO ENUGev online Media Default Kataloge als Spültechnik 2018 EN DISH ENU |||

Spare Parts for Dishwashing Spare parts suitable for MEIKO 2018 Find the complete and up-to-date ... ale faston 6.3mm tube 8.5mm immersion heater special fixing mounting distance 21mm **DV120T**, **DV40N**, **DV40T**, **DV40T** FA, **DV80T**, ECO STAR 430F, ECO STAR 530F, ECO STAR 545D, FR30G, FR30G AB 1992, FR40G AB ... lang:en score:69 filesize: 13.72 M page_count: 120 document date: 2018-04-11



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Meiko Spare Parts Catalogue meiko spare parts spares repairs uebersetzer Easicook16 A 2 NO NC 230V 0135512 0135511 0135223 1 380121 16 3 FV40 to FV70 FV130B DV40 DV120B 0101167 9504237 4 415692 9 kW 3 v1easicook co uk meikosparepartsmanual |||

Click Here for Live Online Chat Suitable for Meiko M Spare parts suitable for: MEIKO G.E.V. Grok ... el OEM FV20N, FV20T, FV40N, 8001814 FV40T, FV40TFA, FV60E, FV70T, FV110G, DV40 ab 1.1. 92, **DV40N**, **DV40T**, **DV40TFA** FV25G to 31.12. 91 8000187 1 2 3 4 Item Order 1 501228 1 501227 2 501230 3 501...

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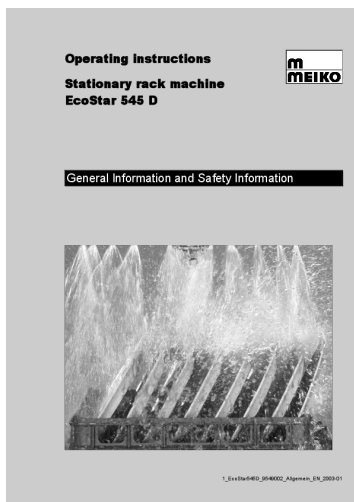


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Spare parts for: Warewashing equipment ST1 uitable for: MEIKO T1 This catalogue is automatically g ... er MEIKO ECOSTAR430F MEIKO 0124186 3 390204 CPU BOARD size 125x57 mm for Dishwasher MEIKO **DV40T** - FV40T - FV60E FV70T MEIKO 0124187 3 390203 CONTROL B OARD size 240x85 mm for Dishwas...

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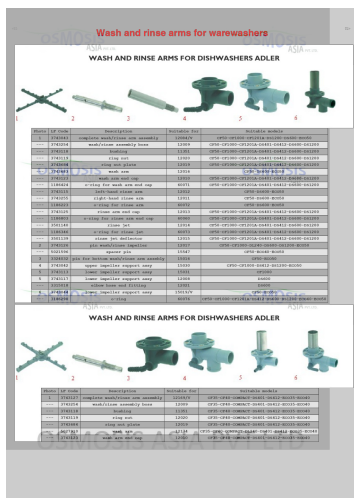


[\[pdf\]](#) Instructions Documentation Declaration of Conformity

1 EcoStar545D komplett EN 2004 bue EcoStar 545 D Operating instructions 2002 11 2007 06 Download pass through dishwasher MEIKO Operation cpl partnernet meiko global 1685 en |||

Operating instructions Stationary rack machine EcoStar 545 D General Information and Safety Informat ... FV20T 5 8 G SV FV40T 6 10 LP ST FV70T / FV110G 7 12 VS RZ OR50H 8 14 G LP RZ SV **DV40N / DV40T** 9 16 G VS RZ ST **DV80T** 10 18 LP VS FK **DV120TV** 11 20 G LP VS FK SV DV160 12 22 FK ST DV24...

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List Label Report Warewashing equipment Wash and rinse arms for warewashers osmosisasia En 2023 02 |||

T2 T2 Wash and rinse arms for warewashers WASH AND RINSE ARMS FOR DISHWASHERS ADLER Photo LF C ... Code Description Suitable for Suitable models 1 i 3743337 i upper rinse arm 9542558/8000047 **DV40T-DV80 DV80T-DV120B DV120T-FV40N-FV60E** 1 i 3743335 i lower rinse arm 9542559/8000046 **DV40T-...**

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lang:tl **score:31** filesize: 11.17 M page_count: 159 document date: 2018-02-27



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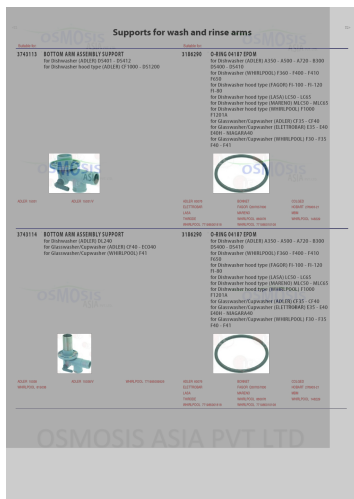
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Pices dtaches pour le secteur professionnel: Lave-vaisselle T2 Tourniquets et bras de lavage/rinçage ... Description Adaptabilit Modles compatibles 1 i LF3743337 i upper rinse arm 9542558/8000047 **DV40T-DV80 DV80T-DV120B DV120T-FV40N-FV60E** 1 i LF3743335 i lower rinse arm 9542559/8000046 DV40... lang:tl score:30 filesize: 10.31 M page_count: 159 document date: 2018-02-27



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T2 T2 Supports for wash and rinse arms Suitable for: 3743113 BOTTOM ARM ASSEMBLY SUPPO ... 5036637 SUPPORT RINSE/WASH ARM ASSEMBLY for Dishwasher hood type MEIKO **DV120T - DV40N DV40T - DV80T** MACH 513000500 MACH 80001069 MEIKO 0620443 T2 T2 Supports for wash an... lang:en score:21 filesize: 12.51 M page_count: 62 document date: 2015-10-21



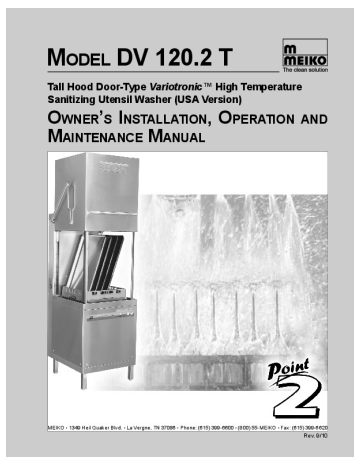
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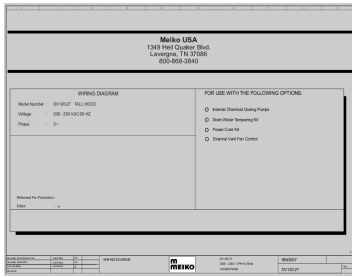
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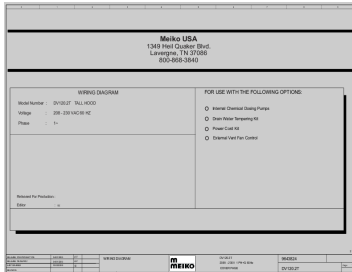
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dv120t 092710 pmd mpavlovic MEI DV120 2T iom partstown 80 modelManual
MODEL DV 120.2 T Tall Hood Door-Type Variotronic™ High Temperature Sanitizing Utensil Washer USA Version OWNER S INSTALLATION, OPERATION AND MAINTENANCE MANUAL MEIKO 1349 Heil Quaker Blvd. La Vergne, TN 37086 Phone: 615 399-6600 800 55-MEIKO Fax: 615 399-6620 Rev. 9/10 TABLE OF CONTE...
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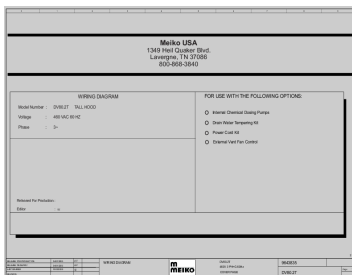
[\[pdf\]](#) Documentation Diagram

DV120T Wiring Diagram 208 230V 3~ Scott Zeigler Documentation technique sur le lavage nettoyage et la désinfection MEIKO DV120 2 1PH 3Ph 460V 2T NEW meiko us files wiring diagrams tall |||
0 1 2 3 4 5 6 7 8 9 Meiko USA 1349 Heil Quaker Blvd. Lavergne, TN 37086 800-868-3840 WIRING DIAGRAM Model Number : DV120.2T TALL HOOD Voltage : 208 - 230 VAC 60 HZ Phase : 3- FOR USE WITH THE FOLLOWING OPTIONS: Internal Chemical Dosing Pumps Drain Water Tempering Kit Power Cord Kit ...
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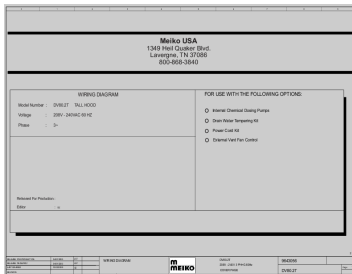
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DV120T Wiring Diagram 208 230V 1~ Scott Zeigler Documentation technique sur le lavage nettoyage et la désinfection MEIKO DV120 2 1PH 3Ph 460V 2T NEW meiko us files wiring diagrams tall |||
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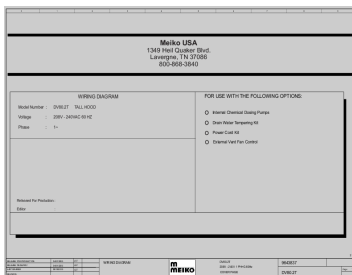
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0 1 2 3 4 5 6 7 8 9 Meiko USA 1349 Heil Quaker Blvd. Lavergne, TN 37086 800-868-3840 WIRING DIAGRAM Model Number : DV80.2T TALL HOOD Voltage : 460 VAC 60 HZ Phase : 3- FOR USE WITH THE FOLLOWING OPTIONS: Internal Chemical Dosing Pumps Drain Water Tempering Kit Power Cord Kit Externa...
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DV80T Wiring Diagram 208 240V 3~ Scott Zeigler Documentation technique sur le lavage nettoyage et la désinfection MEIKO DV80 2T 230V 1PH 3Ph 3 Phase meiko us files wiring diagrams tall |||
0 1 2 3 4 5 6 7 8 9 Meiko USA 1349 Heil Quaker Blvd. Lavergne, TN 37086 800-868-3840 WIRING DIAGRAM Model Number : DV80.2T TALL HOOD Voltage : 208V - 240VAC 60 HZ Phase : 3- FOR USE WITH THE FOLLOWING OPTIONS: Internal Chemical Dosing Pumps Drain Water Tempering Kit Power Cord Kit E...
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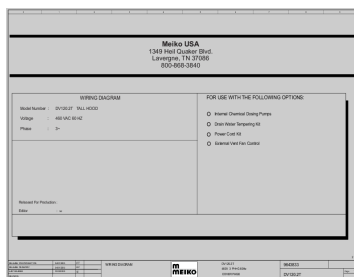
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DV80T Wiring Diagram 208 240V 1~ Scott Zeigler Meiko USA 1349 Heil Quaker Blvd Lavergne TN 37086 800 868 3840 page revision release for production on supply last drawer 0 08 16 2010 04 01 2005 1 1st 2 wiring diagram 3 4 5 6 7 8 9 Documentation technique sur le lavage nettoyage et la désinfection MEIKO DV80 2T 230V 1PH Phase meiko us files diagrams tall |||
0 1 2 3 4 5 6 7 8 9 Meiko USA 1349 Heil Quaker Blvd. Lavergne, TN 37086 800-868-3840 WIRING DIAGRAM Model Number : DV80.2T TALL HOOD Voltage : 208V - 240VAC 60 HZ Phase : 1- FOR USE WITH THE FOLLOWING OPTIONS: Internal Chemical Dosing Pumps Drain Water Tempering Kit Power Cord Kit E...
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[pdf] Parts List Declaration of Conformity Diagram

Microsoft Word 1 DV80T 9554611 2003 01 doc bp SPARE PARTS DIAGRAM FOR Dish Glass Washer
NET TUYEAU RENFORCÉ 2 X 2000 9500011 PANZERSCHLAUCH WRC ZULASSUNG REINFORCED
HOSE APPROVED RENFORCE 04247 fcgresources blob core windows net fcg s ED |||
SPARE PARTS DIAGRAM FOR Dish/Glass Washer **DV80T** First Choice Group
Blakeney Way, Kingswood Lakeside Cannock, Staffs, WS11 8LD TEL: 01543 577778
FAX: 01543504141 Email: enquires@firstchoice-cs.co.uk Web: www.firstchoice-
cs.co.uk Ersatzteilliste Spare parts list Liste de pices dtaches Geschirrsplaut...
lang:de score:16 filesize: 1.98 M page_count: 22 document date: 2018-01-12



[pdf] Documentation Diagram

DV120T Wiring Diagram 460V 3~ Scott Zeigler Meiko USA 1349 Heil Quaker Blvd Lavergne TN 37086
800 868 3840 page revision release for production on supply last drawer 0 10 22 2009 04 01 2005 1 Ist sz
2 wiring diagram 3 4 5 6 7 8 9 Documentation technique sur le lavage nettoyage et la désinfection
MEIKO DV120 208 230V 1PH 3Ph 2T NEW meiko us files diagrams tall |||
0 1 2 3 4 5 6 7 8 9 Meiko USA 1349 Heil Quaker Blvd. Lavergne, TN 37086 800-868-
3840 WIRING DIAGRAM Model Number : DV120.2T TALL HOOD Voltage : 460 VAC
60 HZ Phase : 3- FOR USE WITH THE FOLLOWING OPTIONS: Internal Chemical
Dosing Pumps Drain Water Tempering Kit Power Cord Kit Extern...
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