

metos

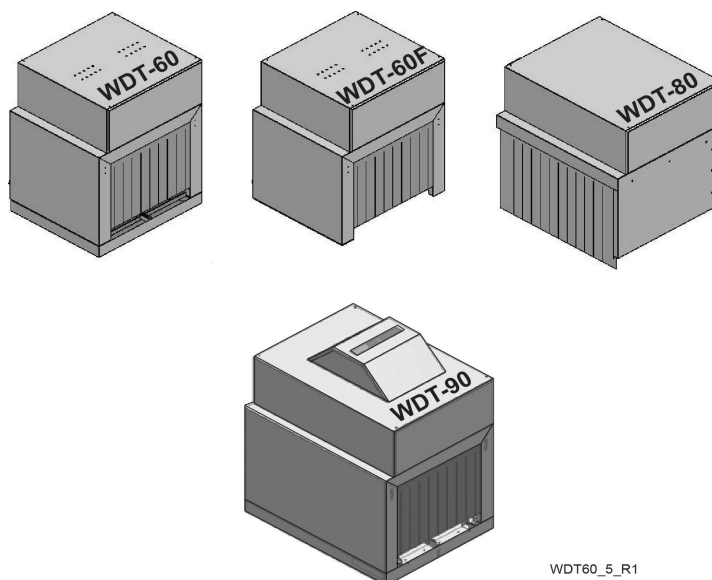
DRYING ZONE WD-T60, WD-T60F, WD-T80, WDT-90

(translation of the original documentation)



Read the manual before using the machine!

Installation and user manual



WDT60_5_R1

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1. General instructions

Read the instructions in this manual carefully as they contain important information regarding the correct, effective and safe installation, use and servicing of the machine. Service personnel should have access to all documentation for the machine.

Keep this manual in a safe place so that it can and should be used by other operators of the machine.



- The machine is intended to be used for drying dishware which has been washed in an associated machine and which is used in the general catering and restaurant trade. Other uses are NOT recommended!
- The machine can be equipped with a number of different options. Certain options may be standard in a number of countries. Check what your machine is equipped with.
- The dishwasher's display indicates what the machine is doing. The machine's various temperatures and any alarms are also shown.
- The capacity requirements of the machine can be found in the TECHNICAL DATA chapter.
- The electronics in the machine are RoHS compatible.

Before the machine is started up and used, the following points should be observed:



- The SAFETY INSTRUCTIONS chapter must be studied carefully before commissioning the machine.
- Installation of the machine must be performed in accordance with the requirements and instructions indicated in the INSTALLATION INSTRUCTIONS and TECHNICAL SPECIFICATIONS chapters.
- Any personnel who may at some point use the machine must be trained in its operation, use and care.
- The machine should not be used by anyone suffering from a physical or mental illness.
- A close eye should be kept on any children in the vicinity of the machine to ensure they do not tamper with it.
- All cover plates must be installed during use.



The machine and equipment requires an annual service. Contact one of our authorised and trained service companies for such a service.

General instructions

1.1 Symbols used



This symbol warns of situations where a safety risk may arise. The instructions given should be followed in order to prevent injury and dangerous situations.



This symbol on a machine part warns of electrical equipment. The machine must be entirely non-live during servicing, turn off the power at the power switch and if required, the switch should be locked to prevent unintentional operation. The component may only be removed by a qualified electrician.



This symbol warns that the machine's electronics are sensitive to electrostatic discharge (ESD), which is why a static electricity wristband must be used when handling the electronics at all times.



This symbol explains the right way to perform a task in order to prevent poor results and/or damage to the machine.



This symbol identifies recommendations and hints to help you get the best results when washing, to increase the machine's lifespan and reduce the risk of emergency shutdown.



This symbol explains the importance of careful and regular cleaning of the machine to meet hygiene requirements.



This symbol warns of the importance to read the manual before using the machine.



This symbol warns that local regulations must be followed for recycling of packaging etc. as well as the destruction of the machine.



This symbol shows where any earth cable for potential equalisation can be connected. The earth bolt is placed on the machine's stand.

General instructions

1.2 Machine rating

Where a dishwasher is supplied with a drying zone, the equipment will have a common rating plate.

If the drying zone for an existing dishwasher is delivered at a later date, the machine's rating plate will be updated and will apply to both the machine and the drying zone.

A free-standing drying zone designed for mounting on a roller table comes supplied with its own rating plate, located on the inside and on the back.

The machine has two rating plates, one of which is placed at the bottom of one side of the machine and the other in the electrical cabinet. The technical information on the plates is also included on the machine's wiring diagram. The various rating fields show:



1. Machine type
2. Machine serial number
3. Year of manufacture
4. Enclosure protection class
5. Voltage
6. Number of phases with or without neutral
7. Frequency
8. Main fuse
9. Motor output
10. Electrical heating output
11. Max. output

1.3 Checking that the machine and manual correspond

Check that the type description on the rating plate corresponds with the type description on manual cover page. If manuals are missing, it is possible to order new ones from the manufacturer or the local distributor. When ordering new manuals, it is important to quote the machine number found on the rating plate.

1.4 EU Declaration of Conformity

Wexiödisk

CE DECLARATION OF CONFORMITY

This declaration of conformity only refers to the machine/product in the condition in which it is supplied, not any additions or modifications made by the customer/user.

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M's Asia Pacific Consignates Pte Ltd, Nakantshill Mfg Co Ltd, QMB Corporation, Reikal doo,
SHS Hygien Innovation, TPN Group, Wexiödisk AS, Wexiödisk UK

Compiler of technical documentation: Magnus Ericsson

Our machines are manufactured 2016 In accordance with applicable EU directives and we declare under sole responsibility that the following products:

CE Declaration of Conformity:
EU's Machinery Directive 2006/42/EG, annex II A
EU's Low-voltage directive 2006/95/EC
EU's EMC-directive 2014/30/EU
EU's RED directive 2014/53/EU
EU's RoHS-directive 2011/65/EU

Harmonised standards:
EN 12100 Machine safety: General principles for design - Risk assessment and risk reduction
EN ISO 105 Safety - Particular rules for control tests
EN 60232 Specification for degree of protection providing enclosure (IP code)
EN 62233 Measurement methods for electromagnetic compatibility of appliances and similar apparatus with regard to humans exposure
EN 61010-2-2 Electromagnetic compatibility (EMC)- Immunity standard for industrial environments
EN 55014-1 Electromagnetic compatibility Requirements for household appliances, electric tools and similar apparatus.
(EMC)-Part 1: Emission
EN ISO 81 Technical documentation for the assessment of electrical and electronic products with respect to restriction of hazardous substances

The above directives and standards are common to the different machine groups.
Standards in the tables below are specific to the different machine groups.

Single tasks, Potentially Tunnel-delivered with accessories:
WD-SLX (T1000+)
WD-PBRN+ & WD-H & WD-F & WD-TG (TT2000+)
WD-LR (T1000+)
WD-PBRNHC (TT1000+)
WD-F & WD-G & WD-C (T1000+)
WD-KSELCHEAT & WD-R & WD-J (J200+) &
WD-TIT & WD-E-ZONE (TT1000+)
WD-TSCORER (T1000+)
WD-DMM 100 (T1000+)
WD-DIGI (TT1000+)
WD-MAX (T1000+)
WD-SPIDER (T1000+)

Harmonised standards to: EU's Machinery Directive 2006/42/EG, Annex IA
EN 60204-1 Safety of machinery – Electrical equipment of machines – Details see Page 6
EN 60204-2-20 See also the safety of household and leisure electrical appliances – Particular requirements concerning domestic electrical distribution circuits

Cutters, Saws etc. if machines:
WD-VSS & WD-TCT & WD-AWBK &
ACD-B&E & WD-2SB & WD-TIT &
WD-SDS & WD- (general assembly drawing)
WD-WIN-W (T1000+)

Special machines:
ACS 4000CSB (T1000+)

Harmonised standards to: EU's Machinery Directive 2006/42/EG, Annex IB
EN 60204-1 Safety of machinery – Electrical equipment of machines – Details see Appendix

Harmonised standards to: EU's Machinery Directive 2006/42/EG, Annex IC
EN 60204-1 Safety of machinery – Electrical equipment of machines – Details see Appendix

Växjö 2016-04-20

Magnus Eriksson
Managing Director

2. Safety instructions



Read the chapter GENERAL INSTRUCTIONS carefully before starting work.

2.1 General information



The machine is CE marked, which means that it complies with the requirements of the EU Machinery Directive with regard to product safety. Product safety means that the design of the machine will prevent personal injury or damage to property. The CE mark is only valid for an unmodified machine. Any damage to the machine arising from failure to follow the instructions will invalidate the supplier's warranty and product liability.



Installation, repair and service must be carried out by a qualified professional in accordance with applicable local and national regulations for water and sewage, electricity, ventilation and steam work. In order to ensure electrical safety, components may only be tested run in a regular place in the machine. We recommend that the work is done by the manufacturer or a service company authorized by the manufacturer.

To further improve safety during installation, operation and servicing, the operator and the personnel responsible for installing and servicing the machine should read the safety instructions carefully.



The machine's electronics are sensitive to electrostatic discharge (ESD), which is why a static electricity wristband must be used when handling the electronics at all times.

Before the machine enters service, ensure that the personnel are given the necessary training in handling and looking after the machine.

In order to avoid dangerous situations, the following must be followed:



- Switch off the machine immediately in the event of failure or malfunction.
- Make sure the machine is non-live before removing the cover plate. Turn off the power using the power switch. If required, the switch must be locked to prevent unintentional operation.
- Allow the machine to cool.
- The machine and equipment requires an annual service. The machine should be serviced by a person authorised or trained to do so by us. Use original spare parts.
- Warranty repairs must be performed by an authorised company. Contact an authorised service company to draw up a programme of preventive care and maintenance. For authorised service companies, please see www.wexiodisk.com or contact Wexiödisk AB.
- The regular checks described in the manual must be carried out in accordance with the instructions.

Safety instructions

2.2 Transport



If the drying zone is delivered as a separate unit, handle the equipment with care during unloading and transport to avoid the risk of it tipping over. Never lift or move the drying zone without using the wooden packaging to support the equipment.

2.3 Installation



- The machine is designed for quick electrical installation.
- The machine must be connected to a lockable power switch.
- Make sure that the mains voltage is the same as that indicated on the machine's rating plate.



For increased safety, it is recommended to equip the installation with a ground fault circuit interrupter.

2.4 Operation



Be very careful around the machine when it is in operation.

2.4.1 High temperatures



To prevent risk of burn injuries, do not insert your fingers in the air gaps in the top section of the drying zone.

2.4.2 Risk of crushing



For drying zones equipped with loading cradles, the cradle's forward and backwards movement may cause crushing injuries at the machine's outfeed opening.

2.4.3 Risk of slipping



The floor should be kept clean and dry to eliminate any risk of slipping. Mop up any water and leftover food that has been spilt.

2.4.4 Sounds



The machine is not silent during operation, see TECHNICAL SPECIFICATIONS. Hearing protection may therefore need to be used.

2.5 Cleaning the machine

The drying zone does not normally require cleaning. If there is any dirt on the drying zone's bottom plate, this should be rinsed off using a hose only.

3. Installation instructions



Read the chapters GENERAL INSTRUCTIONS and SAFETY INSTRUCTIONS carefully before starting work.

3.1 General information



Read these instructions carefully, as they contain important information regarding the correct installation method. The installation instructions apply to new installation of the dishwasher and drying zone when the equipment is delivered separately and the drying zone is supplied as a separate unit.



- The instructions should be used together with the machine's wiring diagram.
- The machine can be equipped with a number of different options. Certain options may be standard in a number of countries. Check what your machine is equipped with.
- If holes need to be drilled in the machine, the holes must be fitted with an edge strip or similar protection.

3.2 Requirements for the installation site



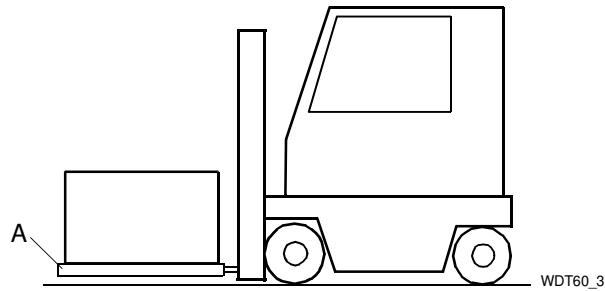
The requirements for installation of the drying zone are the same as for the dishwasher to which it is connected. (Refer to the dishwasher's installation and user manual.)

Installation instructions

3.3 Transport and storage



Take care during transport, as there is a risk of tipping. N.B.: The drying zone must not be transported without a pallet or other support. Otherwise, the drying zone may become damaged.



The drying zone must be transported using a pallet for support (A)

If the drying zone is not to be installed immediately, it must be stored in a frost-free area where the air is dry.

3.4 Unpacking

Check that all parts have been delivered by comparing them with the delivery note.

Remove the packing material. Inspect the machine for any transport damage.



Packaging must be sent for destruction or recycling in accordance with local regulations.

Installation instructions

3.5 Installation

3.5.1 Preparing for the installation

Check that there is sufficient room for the machine at the installation location.

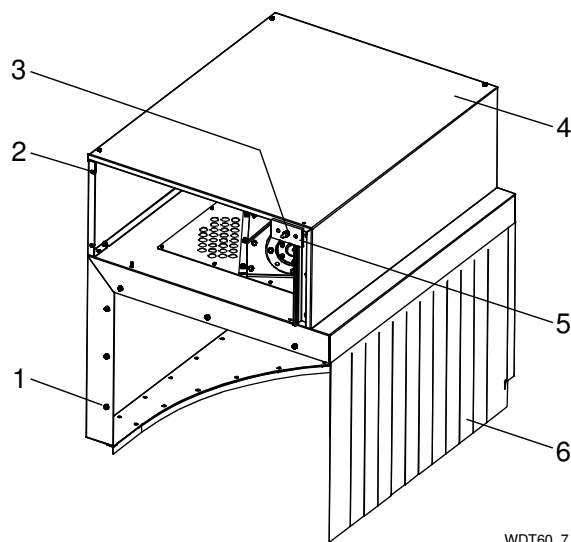


- Check that correct connections are available for water, electricity, drainage and possibly steam at the installation location. See TECHNICAL SPECIFICATIONS.
- Check that the fuse for the machine at the site is off, blocked and that outgoing electrical circuits from the machine are non-live.
- Remove the protective plastic on the sides which are to be stood against a wall.

3.5.2 Assembling drying zone WD-T80



For connection to machines located above turn track WD-BF90/180 or WD-C90/180.



WDT60_7

- Remove the top panel (4).
- Use a lifting device during installation. Take care not to damage the drying zone.
- The drying zone is secured to the dishwasher in the following way:
 - Connecting to (1). M4 screw, nut and washer around the opening.
 - Connecting to (2). M6 nut and washer.
- The hanging bar (3) is connected to a hole in the end plate of the machine's electrical cabinet, with the flat bar (5) attached to the inside of the end plate. Check that the drying zone is horizontal before securing it in place using two nuts (M8), one on either side of the electrical cabinet's end plate. The lock nut should be fitted inside the electrical cabinet.
- The electric cable is drawn through the hole between the drying zone and the machine's electrical cabinet.
- Fit the top panel (4) and the curtain (6).

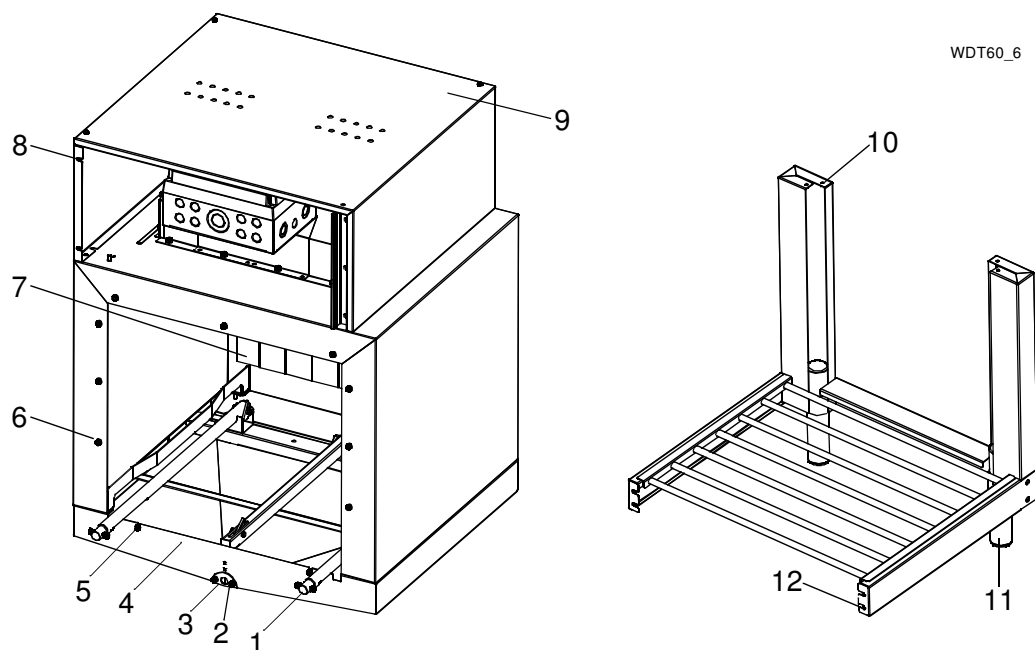
Installation instructions

3.5.3 Assembling drying zone WD-T60 and WD-T90

Drying zone WD-T90 is always delivered with a stand. The stand may optionally be equipped with a grid shelf or grid plate.

A stand is available as extra equipment for WD-T60, which may be equipped with a grid shelf or grid plate as an optional extra.

The drying zone is assembled first followed by the stand.



- Remove the top panel (9).
- Use a lifting device during installation. Be careful not to damage the bottom plate.
- The top edge of the plate (4) has a slight outward bend in it. The part that is bent outwards is inserted under the cover strip on the bottom edge of the dishwasher's outfeed opening. Check that the gasket (3) is in place.
- The drying zone is secured to the dishwasher in the following way:
- Connecting to (6). M4 screw, nut and washer around the entire opening (to install the T90 drying zone, an M6 screw, nut and washer are used in the hole above the opening, everything else is M4).
- Connecting to (8). M6 nut and washer.
- Connecting to (2). M4 screw, nut and washer.
- Connecting to (5). M4 screw, nut and sealing washer (two connection points).
- The loading cradle is connected to the machine at (1) with an M6 screw, nut and washer.

Installation instructions

When the drying zone is in place, the stand can be installed.

- Screw the legs (11) on to the stand so that it can be inserted under the drying zone.
- The stand is fixed to the underside of the machine at (12) as well as to the underside of the drying zone at (10) with an M6 nut and washer.
- Adjust the legs on the stand.
- The electric cable is drawn through the hole between the drying zone and the machine's electrical cabinet.
- Fit the top panel (9) and the curtain (7).

3.5.4 Assembling drying zone WD-T60F

To be fitted to a roller table (supplied by WD). The connection to the dishwasher has a separate electrical connection.



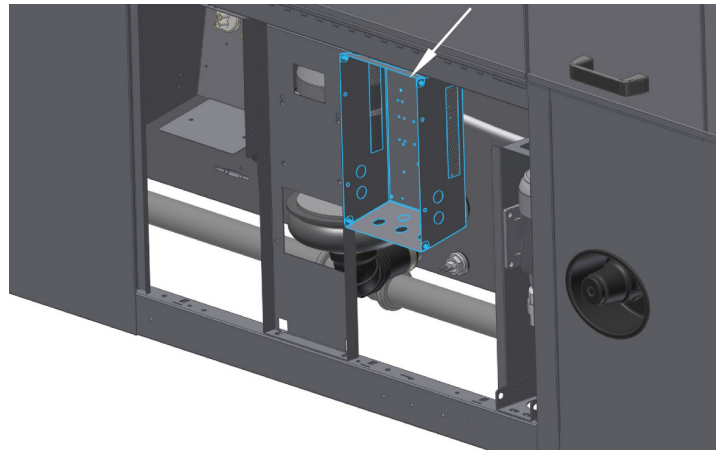
Installation instructions

3.6 Connections

3.6.1 Electrical connection



Cabling between the drying zone and the dishwasher is connected using existing holes in the end plate of the dishwasher's electrical cabinet (WD-T60, WD-T80 and WD-T90).



WDT60_8

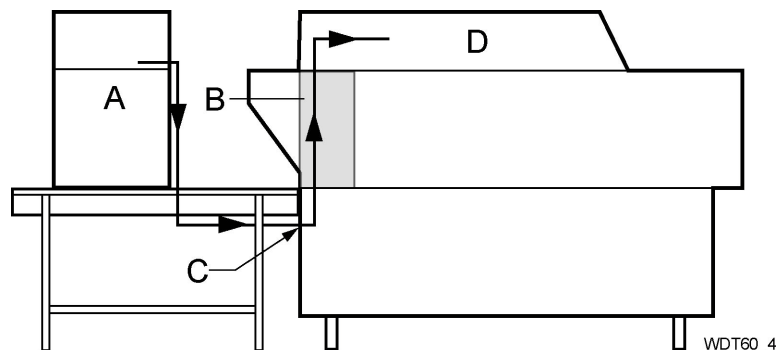
Electrical cabinet for drying zone located in dishwasher (WD-T60, WD-T80 and WD-T90)



For cabling from the WD-T60F free-standing drying zone, cables are drawn through an existing plugged hole at (C) on the dishwasher's outfeed side. The electric cable is drawn through the cable duct behind the front panel (B) and on to the electrical cabinet (D).



N.B.: If a new hole needs to be drilled at (C), this must be done carefully as there are electric cables inside the plate.



WDT60_4

Drawing cables from a free-standing drying zone

A=Drying zone WD-T60F

B=Front plate

C=Plugged hole or newly drilled hole for cable

D=Electrical cabinet

Installation instructions

3.7 Trial operation

Prepare the machine for trial operation with the help of OPERATING INSTRUCTIONS. The instructions describe the measures that must be taken to prepare the machine for operation.

3.7.1 Start-up schedule

This should be completed when the machine is started up and used.

Machine type:
Machine serial number:
Installation date:

Read the installation and user manuals carefully. Then check the following points:

1. Start the dishwasher and load baskets containing dishware Perform the following checks:

- The direction of rotation of the fan(s).
- The curtain is in place.
- The washed items are dry.

2. Final check

- Turn off the power at the main switch and re-tighten the connections on circuit breakers and contactors.

3. Train the dishwashing personnel

- Care (daily, weekly and other frequencies)
- Recommendation for annual service

3.8 Documentation



For correct use and servicing, it is essential that the documentation accompanying the machine is made available to personnel who will be using the machine. The installation and user manual, which describes handling and care among other things, should be stored near the machine.

4. Operating instructions



Read the chapters GENERAL INSTRUCTIONS and SAFETY INSTRUCTIONS carefully before starting work.

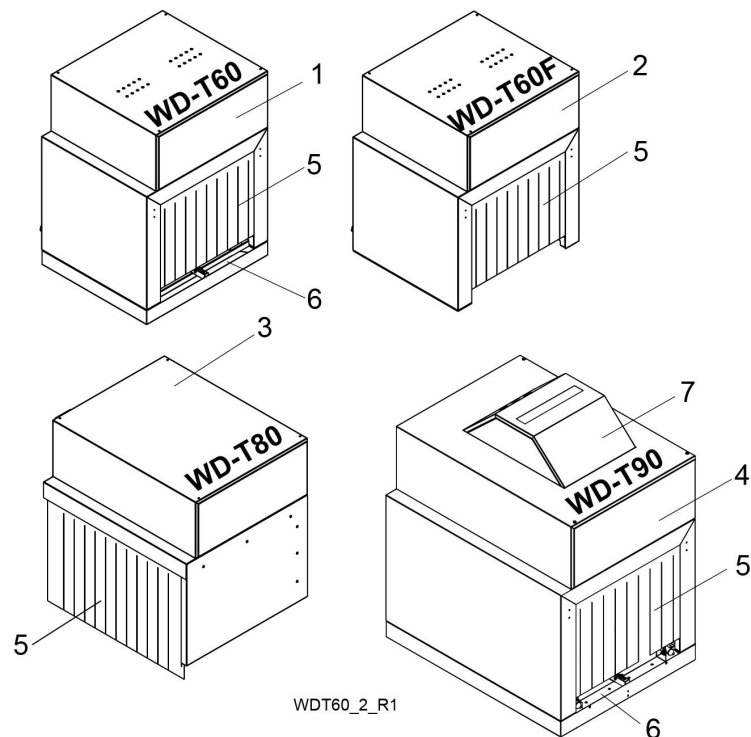


This chapter describes what must be done with the machine:

- Before washing
- How washing should be performed
- After completed washing
- In the event of error messages and troubleshooting

Operating instructions

4.1 Preparations



Drying zone versions

1. Straight drying zone WD-T60 for positioning at the machine's outfeed opening.
2. Straight drying zone WD-T60F for free-standing positioning on the roller table.
3. 90° angle drying zone WD-T80 for positioning at the machine's outfeed opening on a 90° or 180° turn track.
4. Straight drying zone WD-T90 for positioning at the machine's outfeed opening.
5. Curtain
6. Bottom plate
7. Roof cover

Check:

- That the equipment is clean.
- That the curtain (5) is in position.
- That the roof cover (7) is in position.

Operating instructions

4.2 Using the machine

The drying zone is controlled from the dishwasher and operates when the dishwasher is feeding baskets through the machine.

The free-standing drying zone WD-T60F (2) only starts once a basket activates an impulse arm in the zone. The zone stops automatically once there are no more baskets going through.

4.3 After use – Cleaning



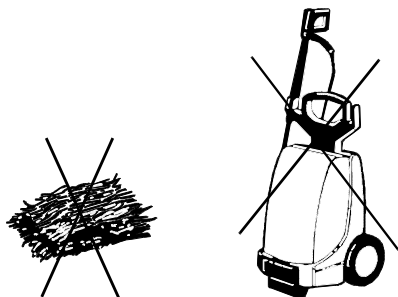
HACCP is a preventive inspection system to ensure hygiene requirements are met during the washing process and cleaning of the machine. As a result of its design, the machine meets strict hygiene requirements. Regular, thorough cleaning is also important from a hygiene perspective. A machine that is properly cleaned helps produce a good wash result, reduces the risk of dirt accumulating, increases the service life of the machine and reduces the risk of emergency shut-down.

4.3.1 Incorrect cleaning methods



N.B.: An incorrect cleaning method may damage the machine. The following points must be observed:

- Do NOT use steel wool as it will cause corrosion to form on the machine.
- If detergent is used, it must not contain abrasives. Detergents containing abrasives will damage the stainless steel panels.
- The exterior of the machine must not be hosed. Water can enter the machine and damage the control panel and electrical equipment.
- Pressure washers and steam can damage the machine and must NOT be used for cleaning purposes. Never use a pressure washer to clean the floor within 1 metre of the machine. The supplier cannot be held liable for any faults caused by the use of pressure washers on the machine and any such use may invalidate the warranty. There is a risk of splashing even if the floor is hosed down.



WD9_07

Steel wool and pressure washers must not be used for cleaning

Operating instructions

4.3.2 Cleaning



Before cleaning begins, the dishwasher must be switched off.

Internally



The drying zone is assembled on the machine's "clean" side and does not normally require cleaning. If there is any dirt on the drying zone's bottom plate (6), this should be rinsed off using a hose only. The bottom plate is only found on WD-T60 (1) and WD-T90 (4).

Externally

Wipe the outside of the machine with a soft, damp cloth.

4.4 Operating problems

When you contact service personnel, you will need to provide the following information:

- Machine type and model.
- Machine serial number and date when the machine was installed.
- A brief description of the problem. Are any fault codes shown in the display?
- What happened/was being done immediately before the fault occurred?

Error messages

During operation, various alarms or information messages may appear on the dishwasher's display (see dishwasher's installation and user manual).

Technical specifications

5. Technical specifications

The manufacturer reserves the right to make changes to the technical data.

GENERAL DATA				
	WD-T60	WD-T60F	WD-T80	WD-T90
Weight excl. packaging (kg)	45	42	62	70
Packaging weight (kg)	15	15	15	15
Surface temperature at a room temperature of 20 °C (°C)	35	35	35	35
Enclosure protection class (IP)	55	55	55	55
Noise level * (dB(A))	60	61	61	62

* Measured 1 metre from the side of the drying zone

ELECTRICAL CONNECTION				
	WD-T60	WD-T60F	WD-T80	WD-T90
Fan motor (kW)	0.3	0.3	0.3	2 x 0.3
Heating element (kW)	3	3	3	2 x 3
Total connected power (kW)	3.3	3.3	3.3	6.6
Main fuse 400 V 3N~(A) *		16		
Max. connection area * 400V 3N~ (L1-L3, N, PE) Cu (mm ²)		2.5		

* Other voltages on request, see also the machine's wiring diagram.