

# Wexiödisk<sup>W</sup>

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

(translation of the original documentation)

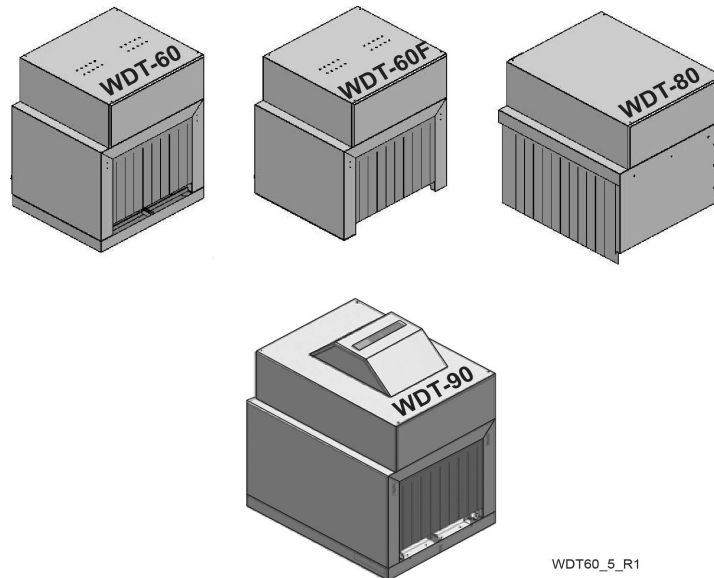


Read the manual before using the machine!

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### Installation and user manual

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WDT60\_5\_R1



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# 1. General information

Read the instructions in this manual carefully as they contain important information regarding the correct, effective and safe installation, use and servicing of the drying zones.

The capacity requirements of the machine can be found in the TECHNICAL DATA chapter.



Before the dishwasher 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 and TECHNICAL SPECIFICATIONS chapters.
- Any personnel who may at some point use the machine must be trained in its operation, use and care.
- The drying zone 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.

Keep this manual in a safe place so that it can be used by other operators.

The drying zone is RoHS compatible.

## 1.1 Symbols used in this manual



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



This symbol on a machine part warns of electrical equipment. The machine must be entirely non-live during service, 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.



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 indicates the correct way to perform a task in order to prevent poor results, damage to the drying zone and dishwasher, or hazardous situations.



This symbol identifies recommendations and hints to help you to get the best performance from the equipment, 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 equipment to meet hygiene requirements.

## General information

### 1.2 Symbols on the dishwasher and drying zone



This symbol on a machine part warns of electrical equipment. The machine must be entirely non-live during service, 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.



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.







#### 1.2.1 Machine marking

Where a dishwasher is delivered with a drying zone, the equipment has 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 to be common to the machine and 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 dishwasher has two rating plates, one of which is normally located at the bottom on the outfeed side 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:

<b>Wexiödisk</b> 					
Type	①				
S/N:	②	③	IP ④		
⑤ V	⑥ ~	⑦ Hz	⑧ A		
⑨ kW	⑩ kW	⑪ kW			
Mårdvägen 4, S-352 45 VÄXJÖ SWEDEN					

marks\_15

#### Rating plate

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

## General information

### 1.3 Checking that the equipment and the manual correspond

Check that the type description on the rating plate corresponds with the type description on the front of the manual. 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 plates.

### 1.4 EC Declaration of Conformity

A so-called EC Declaration of Conformity is provided on delivery of the product.

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### 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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 3 Representativ: Bährs General Trading, C&E Ryug Group Ltd, DSP 000, Elektrotechnik Service OOO, Fastus eht, JZB, Marlin Food Equipment Ltd, Moffitt Pty Ltd, M's Alstwa's Conso Kates Pte Ltd, Nakashiki Mfg Co Ltd, QMB corporation, Retal doo, SHS Hvalen I Hvaldian, TFN Group, Wexiödisk AB, Wexiödisk UK  
 4 Computer or technical documentation: Magnus Ericson

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

5 CE Declaration of Conformity:  
 EU's Machinery Directive 2006/42/EG, annex IIA  
 EU's Low-voltage directive 2006/95/EC  
 EU's EMC-directive 2014/53/EU  
 EU's WEEE directive 2002/96/CE  
 EU's RoHS-directive 2011/65/EU

6 Harmonised standards:  
 EN 12 00 Machine safety: General principles for design - Risk assessment and risk reduction  
 EN 50 06 Safety: Particular rules for machine tools  
 EN 60 28 Specification for degrees of protection provided by enclosures (IP code)  
 EN 62 33 Measurement methods for electromagnetic interference of household appliances and similar apparatus with regard to human exposure  
 EN 61 02 6 2 Electromagnetic compatibility (EMC) - Immunity standard for industrial environments  
 EN 55 014 1 Electromagnetic compatibility: Requirements for household appliances, electric tools and similar apparatus - (EMC) - Part 1: Emission  
 EN 50 81 Technical documentation for the assessment of electrical and electronic products with regards the restriction of hazardous substances

7 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 turn, P100000, Turret- drill systems with accessories: WD-100 (YY0000) WD-10000 & WD-10 & WD-10 (YY20000) WD-10 (YY0000) WD-100000 (YY0000) WD-10 & WD-100000 (YY0000) WD-100000 & WD-100000 (YY0000) WD-100000 & WD-100000 (YY0000) WD-100000 & WD-100000 (YY0000) WD-100000 & WD-100000 (YY0000) WD-100000 & WD-100000 (YY0000)	Harmonised standards to: EU's Machinery Directive 2006/42/EG, annex IIA EN 60205-1 Safety of machines and appliances with regard to electrical safety EN 60205-2-40 Safety of machines and appliances with regard to electrical safety - Part 40: Protection by enclosures - Construction details concerning machines
Columnar, specific dimensions: WD-1000 & WD-1000 & WD-1000 & ACS-1000 & WD-1000 & WD-1000 & WD-1000 & WD-1000 (general assembly drawing) WD-1000 (YY0000)	Harmonised standards to: EU's Machinery Directive 2006/42/EG, annex IIA EN 60205-1 Safety of machines and appliances with regard to electrical safety
Special machines: ACS 1000000 (131415)	Harmonised standards to: EU's Machinery Directive 2006/42/EG, annex IIA EN 60205-1 Safety of machines and appliances with regard to electrical safety

8 Växjö 2016-04-20

Magnus Turesson  
Managing Director

CE\_16\_2



## General information

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1. Contact details of the manufacturer (**Wexiödisk AB**, Mårdvägen 4, SE-35245 Växjö, SWEDEN, Tel: +46 470 771200, Fax: +46 470 23752, E-mail: wexiodisk@wexiodisk.com).
2. Representatives of Wexiödisk AB.
3. Person responsible for the product's documentation.
4. Year of manufacture of the product.
5. The EU directives with applicable provisions to which all the dishwashers, special machines and accessories comply.
6. Harmonised standards for the directives specified, and which the dishwashers, special machines and accessories meet, wherever relevant.
7. Model designation and serial number of the dishwashers, special machines and accessories the document applies to.
8. Place and date with signature and name (in block letters) of the person responsible for ensuring compliance with legislation and regulations.

## 2. Safety instructions

### 2.1 General information

The drying zone 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 drying zone is designed to prevent personal injury or damage to property.



Modifying the equipment without the approval of the manufacturer invalidates the manufacturer's product liability.

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



Switch off the equipment immediately in the event of a fault or malfunction. The regular checks described in the manual must be carried out in accordance with the instructions. The machine must only be serviced by trained personnel. Use original spare parts. Warranty repairs must be performed by an authorised company. Contact an authorised service company to draw up a programme of preventative care and maintenance. For authorised service companies, please see [www.wexiodisk.com](http://www.wexiodisk.com) or contact Wexiödisk AB. Dangerous situations may arise if the instructions above are not followed.

Before using the equipment, ensure that personnel are given the necessary operation and maintenance training.

### 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 electrical cabinet must only be opened by an authorised electrician. The machine is sensitive to electrostatic discharge (ESD), which is why a static electricity wristband must be used when handling the electronics.

Make sure that the mains voltage is the same as that indicated on the rating plate. The machine should be connected to a lockable mains switch.

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

## 2.4 Operation

### 2.4.1 Crushing risk



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

### 2.4.2 Fire risk



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

## 2.5 Safety instructions if the equipment is not functioning



Check the following:

- Has the equipment been used according to the instructions?
- Is the main switch in the ON position?
- Are the fuses in the electrical cabinet undamaged? Ask the service personnel to check the fuses.

If this does not solve the problem, ask authorised service personnel to check the drying zone and dishwasher.

## 2.6 Cleaning



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.



Apart from this, pressure washers or hoses must not be used for washing the inside or outside of the drying zone. Water could enter the machine and damage the electrical equipment, thereby compromising safety.

In order to satisfy current requirements, electrical components of approved enclosure classes are used in the drying zone. No enclosure classes are designed to withstand pressurised water.

## 2.7 Repairs and servicing



Where repairs or servicing involve electrical equipment, the power must be switched off before work commences.

## 2.8 Recycling

When the equipment has reached the end of its service life, it must be recycled in accordance with current regulations. Contact professionals who specialise in recycling.

## 3. Installation

The installation instructions apply to new installation of the dishwasher and drying zone when the equipment is delivered separately and the drying zone is delivered as a separate unit.

### 3.1 General information



The drying zone must be installed by authorised personnel only.

Read these instructions carefully, as they contain important information regarding the correct installation method.

The instructions should be used together with the associated wiring diagram.



The drying zone is CE marked. The CE mark is only valid for machines that have not been modified. If the equipment is damaged as a result of the instructions not being followed, this invalidates the supplier's guarantee and product liability.

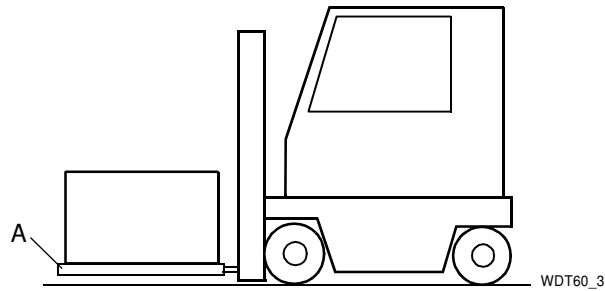
### 3.2 Requirements for the installation site

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.)

### 3.3 Transport and storage



Take care during transport, as there is a risk of the equipment tipping over. NOTE: The drying zone must not be transported without a pallet or other support, otherwise it may become damaged.



*The drying zone is transported with a pallet as 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.

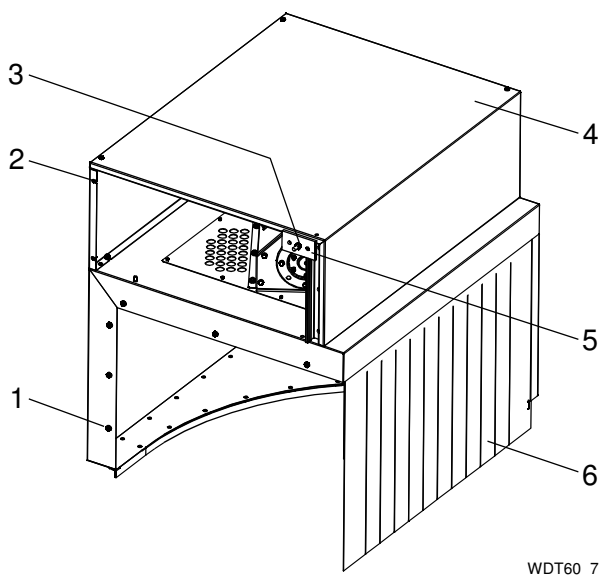
#### 3.3.1 Unpacking

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

Remove the packing material. Inspect the drying zone for any transport damage.

## 3.4 Installation

### 3.4.1 Assembling the drying zone WD-T80

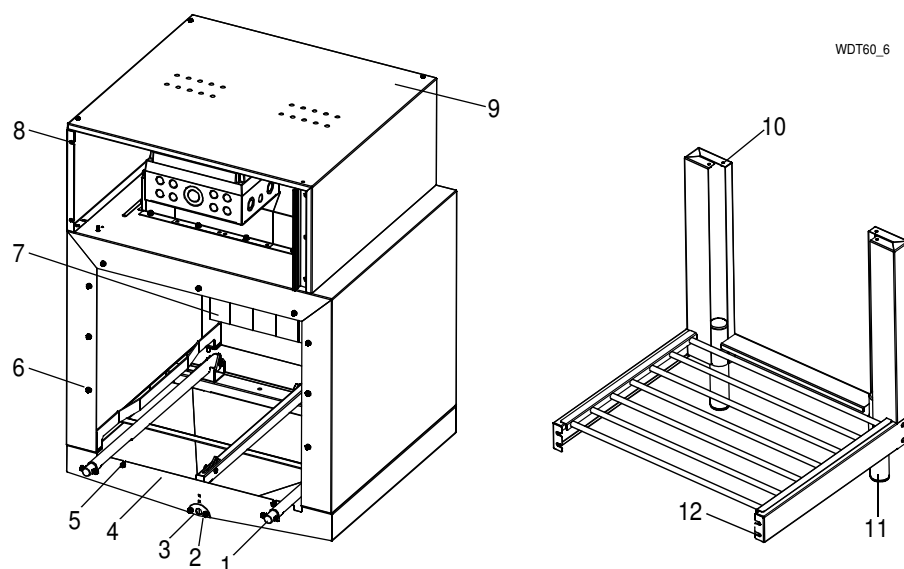


- Remove the top panel (4).
- Use a lifting device during installation. Be careful not to damage the drying zone.
- The drying zone is secured to the dishwasher in the following way:
- Connecting to (1). M4 screw, nut and washer around the opening.
- Connecting to (2). M6 nut and washer.
- The hanging 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 fixing it in place with 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).

### 3.4.2 Assembling drying zones WD-T60 and WD-T90

Drying zone WD-T90 is always delivered with a stand. For the WD-T60 this is 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 sealing disk (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, 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 feeding cradle is connected to the machine at (1) with an M6 screw, nut and washer.

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 Connections

### 3.5.1 Electrical connection



The machine is designed for quick electrical installation.

This symbol on a machine part warns of electrical equipment. The machine must be entirely non-live during service, 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.

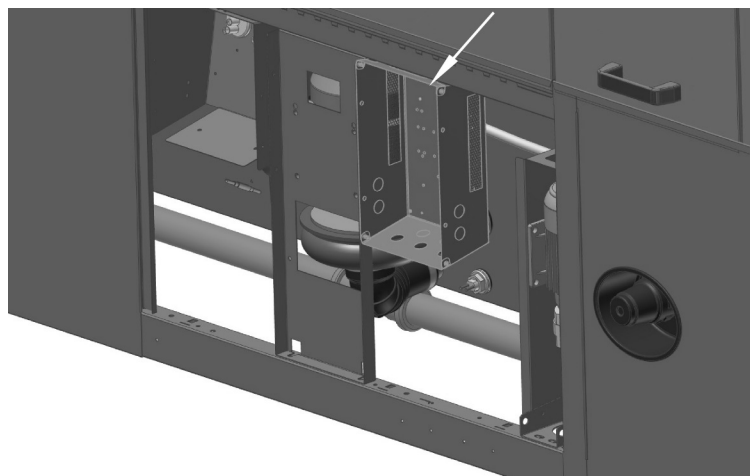


The machine's electronics are sensitive to electrostatic discharge (ESD), which is why a static electricity wristband must be used when handling the electronics at all times.

Information about electrical connections can be found on the dishwasher's wiring diagrams. The wiring diagrams are shown on the inside of the electrical cabinet door. Store the diagrams in the electrical cabinet after installation.

Rating information is provided on the machine's rating plate.

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, T80 and T90).



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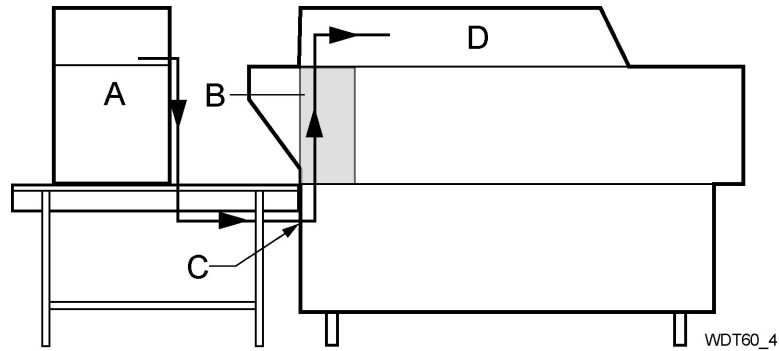
*Electrical box for drying zone placed in the dishwasher (WD-T60, WD-T80 & WD-T90)*

## Installation

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).



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



*Drawing an electric cable 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*

## 3.6 Trial operation

Test the drying zone together with the dishwasher. Prepare the machine for a trial run by following the INSTRUCTIONS FOR USE in the machine's user manual. The instructions describe the measures that must be taken to prepare the machine for operation.

### 3.6.1 Start-up schedule

The following information should be completed and signed by the customer on start-up:

**Machine type:**

**Machine serial number:**

**Installation date:**

Customer:
Address for visitors:
Postcode + Town/City:
Telephone:
Contact:

Dealer:
Telephone:
Contact:

Installation company:
Telephone:
Contact:

Service company:
Telephone:

Detergent supplier:
Telephone:

End user's signature:

Name in block capitals:

## Installation

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Read the contents of the Installation and User manual carefully. Then check off as follows:

**1. Start the dishwasher and load baskets containing items. Carry out the following checks:**

- Check the direction of rotation of the fan(s).
- The curtain must be in place.
- Check that the items dry.

**2 Final check**

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

**3. Train dishwashing staff**

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

## 3.7 Technical documentation

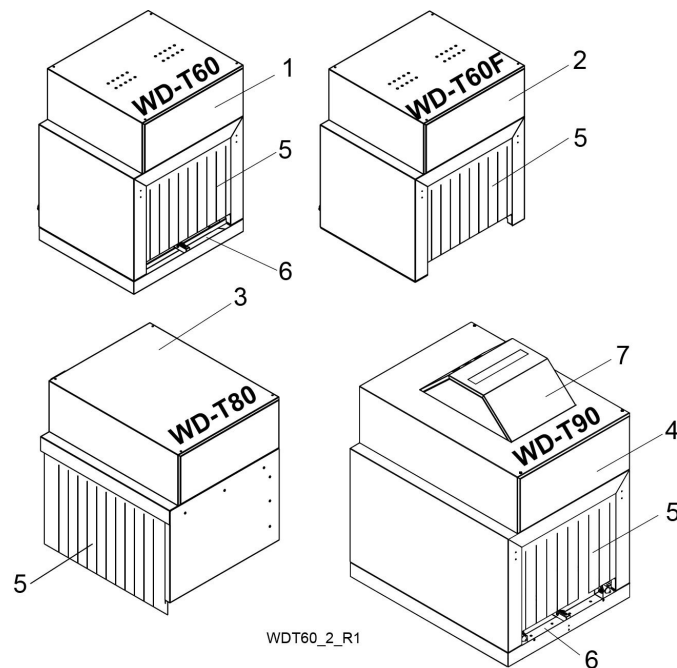


For correct use and servicing, it is essential that the documentation accompanying the equipment be made available to personnel who will be using it. The installation and user manual, which describes handling and care, among other things, should be stored near the equipment.

If a service manual and spare parts manual are supplied with the machine, these should be given to the service engineer responsible for the machine.

## 4. Instructions for use

### 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. Ceiling cover

#### Check:

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

## 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 area. The area stops automatically once there are no more baskets going through.

## 4.3 After use



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 Cleaning



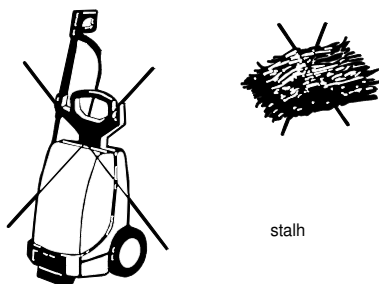
Before cleaning begins, the dishwasher must be switched off.

The drying zone is fitted on the "clean" side of the dishwasher and does not normally need 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 fitted on the WD-T60 (1) and WD-T90 (4).



NOTE: 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 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.



*Steel wool and pressure washers must not be used for cleaning*

To clean the outside of the drying zone, wipe it down with a soft, damp cloth.

### **4.3.2 Operating problems**

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

- The equipment's type description
- Machine serial number and installation date
- A brief description of the problem
- What happened to cause the problem

## 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 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 400V 3N~ (A) *		10		
Max. connection area * 400V 3N~ (L1-L3, N, PE) Cu (mm <sup>2</sup> )		2,5		

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