

Wexiödisk^W

POTWASHER WITH GRANULATE WD-90GR FLEX & WD-90GR HC

(Translation of original documentation)



Read the manual before using the machine!

Installation and user manual



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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 washing dishware that is found 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 machine'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.



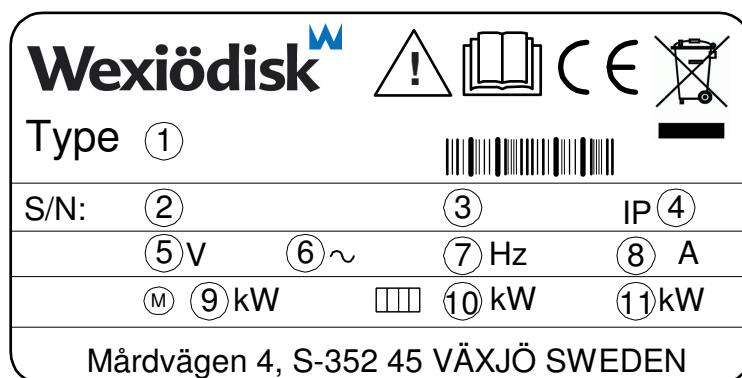
This symbol warns that local regulations must be followed for recycling of packaging etc. as well as the destruction of the machine.



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

1.2 Machine rating

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:



marks_15

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

A so-called EU Declaration of Conformity is provided on delivery of the machine.

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.

1. Manufacturer: Wexiödisk AB Mårdvägen 4 S-352 45 Växjö, Sweden
 Tel: +46 (0)470 77 12 00 Fax: +46 (0)470 237 52 E-mail: wexiodisk@wexiodisk.com

2. Representatives of Wexiödisk AB:
 Farus ehf, IZB, Martin Food Equipment Ltd, Moffitt Pty Ltd,
 M's Alswa's Consolidates Pvt Ltd, Nakantshi MCo Co Ltd, QMB corporation, Reikal dco,
 SHS Hygiene I Kurdistan, TPN Group, Wexiödisk AB, Wexiödisk UK

3. Compiler of technical documentation: Magnus Trusson

4. Our machines are manufactured 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/EC, annex IIA
 EU's Low-voltage directive 2006/95/EC
 EU's EMC-directive 2014/53/EU
 EU's WEEE directive 2002/96/EC
 EU's RoHS-directive 2011/65/EU

6. Harmonised standards:
 EN 12100 Machine safety: General principles for design - Risk assessment and risk reduction
 EN 50168 Safety - Particular rules for machine tests
 EN 60335 Specification for degrees of protection provided by enclosures (IP code)
 EN 60335-2-40 Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure
 EN 60335-2-41 Electromagnetic compatibility (EMC) - Immunity standard for industrial environments
 EN 60335-2-42 EMC compatibility (EMC) - Requirements for household appliances, electric tools and similar apparatus - (EMC) - Part 1: General
 EN 60335-2-43 Technical documentation for the assessment of electrical and electronic products with respect to 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.

Machine group	Harmonised standards to EU's Machinery Directive 2006/42/EC, annex IIA
Single table, portable, manual - drill machines with accessories: WD-400 (111000-1) WD-400 (111000-2) WD-400 (111000-3) WD-400 (111000-4) WD-400 (111000-5) WD-400 (111000-6) WD-400 (111000-7) WD-400 (111000-8) WD-400 (111000-9) WD-400 (111000-10) WD-400 (111000-11) WD-400 (111000-12)	EN 60335-2-40 EN 60335-2-41 EN 60335-2-42 EN 60335-2-43 EN 60335-2-44 EN 60335-2-45 EN 60335-2-46 EN 60335-2-47 EN 60335-2-48 EN 60335-2-49 EN 60335-2-50 EN 60335-2-51 EN 60335-2-52 EN 60335-2-53 EN 60335-2-54 EN 60335-2-55 EN 60335-2-56 EN 60335-2-57 EN 60335-2-58 EN 60335-2-59 EN 60335-2-60 EN 60335-2-61 EN 60335-2-62 EN 60335-2-63 EN 60335-2-64 EN 60335-2-65 EN 60335-2-66 EN 60335-2-67 EN 60335-2-68 EN 60335-2-69 EN 60335-2-70 EN 60335-2-71 EN 60335-2-72 EN 60335-2-73 EN 60335-2-74 EN 60335-2-75 EN 60335-2-76 EN 60335-2-77 EN 60335-2-78 EN 60335-2-79 EN 60335-2-80 EN 60335-2-81 EN 60335-2-82 EN 60335-2-83 EN 60335-2-84 EN 60335-2-85 EN 60335-2-86 EN 60335-2-87 EN 60335-2-88 EN 60335-2-89 EN 60335-2-90 EN 60335-2-91 EN 60335-2-92 EN 60335-2-93 EN 60335-2-94 EN 60335-2-95 EN 60335-2-96 EN 60335-2-97 EN 60335-2-98 EN 60335-2-99 EN 60335-3-00
Car washes, automatic, electric: WD-400 (111000-13) WD-400 (111000-14) WD-400 (111000-15) WD-400 (111000-16) WD-400 (111000-17) WD-400 (111000-18) WD-400 (111000-19) WD-400 (111000-20) WD-400 (111000-21) WD-400 (111000-22) WD-400 (111000-23) WD-400 (111000-24) WD-400 (111000-25) WD-400 (111000-26) WD-400 (111000-27) WD-400 (111000-28) WD-400 (111000-29) WD-400 (111000-30) WD-400 (111000-31) WD-400 (111000-32) WD-400 (111000-33) WD-400 (111000-34) WD-400 (111000-35) WD-400 (111000-36) WD-400 (111000-37) WD-400 (111000-38) WD-400 (111000-39) WD-400 (111000-40) WD-400 (111000-41) WD-400 (111000-42) WD-400 (111000-43) WD-400 (111000-44) WD-400 (111000-45) WD-400 (111000-46) WD-400 (111000-47) WD-400 (111000-48) WD-400 (111000-49) WD-400 (111000-50) WD-400 (111000-51) WD-400 (111000-52) WD-400 (111000-53) WD-400 (111000-54) WD-400 (111000-55) WD-400 (111000-56) WD-400 (111000-57) WD-400 (111000-58) WD-400 (111000-59) WD-400 (111000-60) WD-400 (111000-61) WD-400 (111000-62) WD-400 (111000-63) WD-400 (111000-64) WD-400 (111000-65) WD-400 (111000-66) WD-400 (111000-67) WD-400 (111000-68) WD-400 (111000-69) WD-400 (111000-70) WD-400 (111000-71) WD-400 (111000-72) WD-400 (111000-73) WD-400 (111000-74) WD-400 (111000-75) WD-400 (111000-76) WD-400 (111000-77) WD-400 (111000-78) WD-400 (111000-79) WD-400 (111000-80) WD-400 (111000-81) WD-400 (111000-82) WD-400 (111000-83) WD-400 (111000-84) WD-400 (111000-85) WD-400 (111000-86) WD-400 (111000-87) WD-400 (111000-88) WD-400 (111000-89) WD-400 (111000-90) WD-400 (111000-91) WD-400 (111000-92) WD-400 (111000-93) WD-400 (111000-94) WD-400 (111000-95) WD-400 (111000-96) WD-400 (111000-97) WD-400 (111000-98) WD-400 (111000-99) WD-400 (111000-100)	EN 60335-2-40 EN 60335-2-41 EN 60335-2-42 EN 60335-2-43 EN 60335-2-44 EN 60335-2-45 EN 60335-2-46 EN 60335-2-47 EN 60335-2-48 EN 60335-2-49 EN 60335-2-50 EN 60335-2-51 EN 60335-2-52 EN 60335-2-53 EN 60335-2-54 EN 60335-2-55 EN 60335-2-56 EN 60335-2-57 EN 60335-2-58 EN 60335-2-59 EN 60335-2-60 EN 60335-2-61 EN 60335-2-62 EN 60335-2-63 EN 60335-2-64 EN 60335-2-65 EN 60335-2-66 EN 60335-2-67 EN 60335-2-68 EN 60335-2-69 EN 60335-2-70 EN 60335-2-71 EN 60335-2-72 EN 60335-2-73 EN 60335-2-74 EN 60335-2-75 EN 60335-2-76 EN 60335-2-77 EN 60335-2-78 EN 60335-2-79 EN 60335-2-80 EN 60335-2-81 EN 60335-2-82 EN 60335-2-83 EN 60335-2-84 EN 60335-2-85 EN 60335-2-86 EN 60335-2-87 EN 60335-2-88 EN 60335-2-89 EN 60335-2-90 EN 60335-2-91 EN 60335-2-92 EN 60335-2-93 EN 60335-2-94 EN 60335-2-95 EN 60335-2-96 EN 60335-2-97 EN 60335-2-98 EN 60335-2-99 EN 60335-3-00
Special machines: WD-400 (111000-101) WD-400 (111000-102) WD-400 (111000-103) WD-400 (111000-104) WD-400 (111000-105) WD-400 (111000-106) WD-400 (111000-107) WD-400 (111000-108) WD-400 (111000-109) WD-400 (111000-110) WD-400 (111000-111) WD-400 (111000-112) WD-400 (111000-113) WD-400 (111000-114) WD-400 (111000-115) WD-400 (111000-116) WD-400 (111000-117) WD-400 (111000-118) WD-400 (111000-119) WD-400 (111000-120) WD-400 (111000-121) WD-400 (111000-122) WD-400 (111000-123) WD-400 (111000-124) WD-400 (111000-125) WD-400 (111000-126) WD-400 (111000-127) WD-400 (111000-128) WD-400 (111000-129) WD-400 (111000-130) WD-400 (111000-131) WD-400 (111000-132) WD-400 (111000-133) WD-400 (111000-134) WD-400 (111000-135) WD-400 (111000-136) WD-400 (111000-137) WD-400 (111000-138) WD-400 (111000-139) WD-400 (111000-140) WD-400 (111000-141) WD-400 (111000-142) WD-400 (111000-143) WD-400 (111000-144) WD-400 (111000-145) WD-400 (111000-146) WD-400 (111000-147) WD-400 (111000-148) WD-400 (111000-149) WD-400 (111000-150) WD-400 (111000-151) WD-400 (111000-152) WD-400 (111000-153) WD-400 (111000-154) WD-400 (111000-155) WD-400 (111000-156) WD-400 (111000-157) WD-400 (111000-158) WD-400 (111000-159) WD-400 (111000-160) WD-400 (111000-161) WD-400 (111000-162) WD-400 (111000-163) WD-400 (111000-164) WD-400 (111000-165) WD-400 (111000-166) WD-400 (111000-167) WD-400 (111000-168) WD-400 (111000-169) WD-400 (111000-170) WD-400 (111000-171) WD-400 (111000-172) WD-400 (111000-173) WD-400 (111000-174) WD-400 (111000-175) WD-400 (111000-176) WD-400 (111000-177) WD-400 (111000-178) WD-400 (111000-179) WD-400 (111000-180) WD-400 (111000-181) WD-400 (111000-182) WD-400 (111000-183) WD-400 (111000-184) WD-400 (111000-185) WD-400 (111000-186) WD-400 (111000-187) WD-400 (111000-188) WD-400 (111000-189) WD-400 (111000-190) WD-400 (111000-191) WD-400 (111000-192) WD-400 (111000-193) WD-400 (111000-194) WD-400 (111000-195) WD-400 (111000-196) WD-400 (111000-197) WD-400 (111000-198) WD-400 (111000-199) WD-400 (111000-200)	EN 60335-2-40 EN 60335-2-41 EN 60335-2-42 EN 60335-2-43 EN 60335-2-44 EN 60335-2-45 EN 60335-2-46 EN 60335-2-47 EN 60335-2-48 EN 60335-2-49 EN 60335-2-50 EN 60335-2-51 EN 60335-2-52 EN 60335-2-53 EN 60335-2-54 EN 60335-2-55 EN 60335-2-56 EN 60335-2-57 EN 60335-2-58 EN 60335-2-59 EN 60335-2-60 EN 60335-2-61 EN 60335-2-62 EN 60335-2-63 EN 60335-2-64 EN 60335-2-65 EN 60335-2-66 EN 60335-2-67 EN 60335-2-68 EN 60335-2-69 EN 60335-2-70 EN 60335-2-71 EN 60335-2-72 EN 60335-2-73 EN 60335-2-74 EN 60335-2-75 EN 60335-2-76 EN 60335-2-77 EN 60335-2-78 EN 60335-2-79 EN 60335-2-80 EN 60335-2-81 EN 60335-2-82 EN 60335-2-83 EN 60335-2-84 EN 60335-2-85 EN 60335-2-86 EN 60335-2-87 EN 60335-2-88 EN 60335-2-89 EN 60335-2-90 EN 60335-2-91 EN 60335-2-92 EN 60335-2-93 EN 60335-2-94 EN 60335-2-95 EN 60335-2-96 EN 60335-2-97 EN 60335-2-98 EN 60335-2-99 EN 60335-3-00

8. Växjö 2016-04-20

Magnus Trusson
Managing Director

CE_16_2

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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 machines, special machines and accessories comply.
6. Harmonised standards for the Directives specified, and which the machines, special machines and accessories meet, wherever relevant.
7. Model designation and serial number of the machines, 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



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, repairs and servicing must be performed by an authorised engineer in accordance with local and national rules in effect for such work with water and drainage systems, electricity, ventilation and steam. We recommend that the work is performed by the manufacturer or one of the manufacturer's authorised service companies.

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.
- Shut off the tap for incoming water and drain the machine's tank(s) before starting work. Let the machine cool down as pipes for water, washing pumps, booster heaters and valves become very hot when the machine is in operation.
- 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.

2.2 Transport



Handle the machine with care during unloading and transport; there is a risk of it tipping over. Never lift or move the machine without using the wooden packaging to support the stand.

2.3 Installation



- The machine is designed for quick electrical installation.
- The machine must be connected to a lockable main 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 Detergent and drying agent



Be aware of the risks involved in handling detergents and drying agents. Protective gloves and safety glasses should be used when handling, and an eyebath should be within easy access. Read the warning text on the detergent and drying agent containers as well as the detergent supplier's instructions.

2.5 Operation



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

2.5.1 High temperatures



- The temperature of the washing and rinsing water is 60°C and 85°C. Do not open the machine until the rinsing phase has finished. The steam that comes out of the machine after the wash has been completed is hot.
- Avoid touching hot pipes and booster heaters. The machine's outer jacket can also become hot during operation.

2.5.2 Risk of crushing



The machine, and any equipment, has moving parts before, during and after washing. Be careful therefore to avoid crushing injuries. In connection with service or repairs that require the hood to be open, it must be secured by means of a prop for example.

2.5.3 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. Pay particular attention to granulate that has been spilt on the floor.

2.5.4 Sounds



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

2.6 Cleaning the machine



The water in the tank has a temperature of approximately 60°C and contains detergent. Be careful when draining and cleaning the wash tank. Wear protective gloves and safety glasses and have an eyebath within easy access.

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 instructions should be used together with the machine's wiring diagram and flow diagram for water and steam. These can be found in the machine's electrical cabinet.
- 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

3.2.1 Lighting

In order to ensure the best possible working conditions during installation, operation, servicing and maintenance, make sure that the machine is installed in a well-lit room.

3.2.2 Ventilation

The machine produces heat and steam when in operation. In order to ensure the best possible working conditions, a certain air renewal rate is required in the dishwashing room. The ventilation requirements for the dishwashing room are to be dimensioned on the basis of the applicable standards.

3.2.3 Power supply

Power supply connections are made by qualified personnel in a way that complies with local and national regulations. The machine's capacity requirements are stipulated in TECHNICAL SPECIFICATIONS.

Installation instructions

3.2.4 Water

Water connections are made by qualified personnel in a way that complies with local and national regulations. The machine's capacity requirements are stipulated in TECHNICAL SPECIFICATIONS.

3.2.5 Drain/waste pipe

There must be a waste pipe with an effective trap for the machine's waste water and for water used for rinse cleaning. The machine's capacity requirements for drainage are stipulated in TECHNICAL SPECIFICATIONS.

3.2.6 Space for servicing

A 1-metre area should be left clear in front of the machine for servicing purposes. Depending on the various accessories that the machine may have, there may also be such a requirement at the infeed and outfeed ends. There should also be adequate space above the machine to allow any cover plates to be removed.

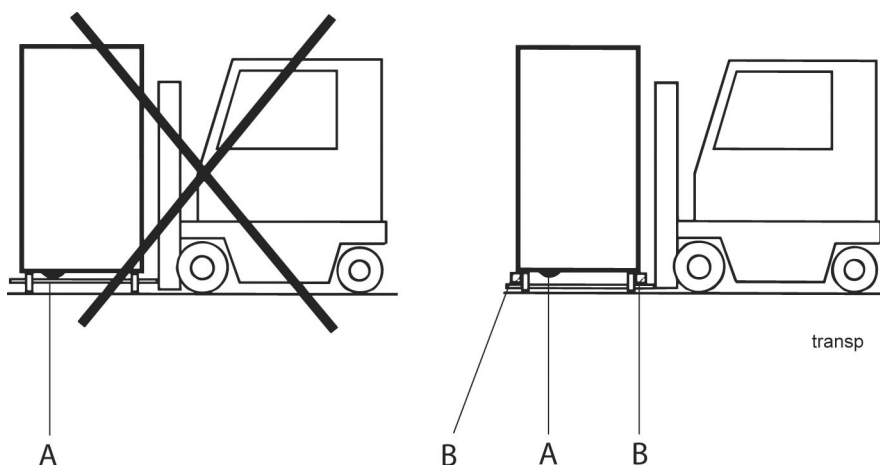
Installation instructions

3.3 Transport and storage

Always transport the machine in an upright position.



Take care during transport, as there is a risk of tipping. NB: The machine must not be transported without a pallet or other support. Some form of support beam must always be used along the sides of the machine during transport. Otherwise the machine may become damaged. When transporting the machine without a normal wooden pallet, always check that none of the components underneath the machine can be damaged.



A=Pumps
B=Spacers



If the machine is not being 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 machine for any transport damage.

3.3.2 Recycling

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



The machine is manufactured from stainless steel plate, among other things, and also contains electronic components. Recycling of the appliance when its economic lifetime has been reached must be carried out in accordance with current rules and regulations.

3.4 Installation

3.4.1 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 overheating protection device is reset.

3.4.2 Positioning the machine

Check the following points before the machine is placed in position:



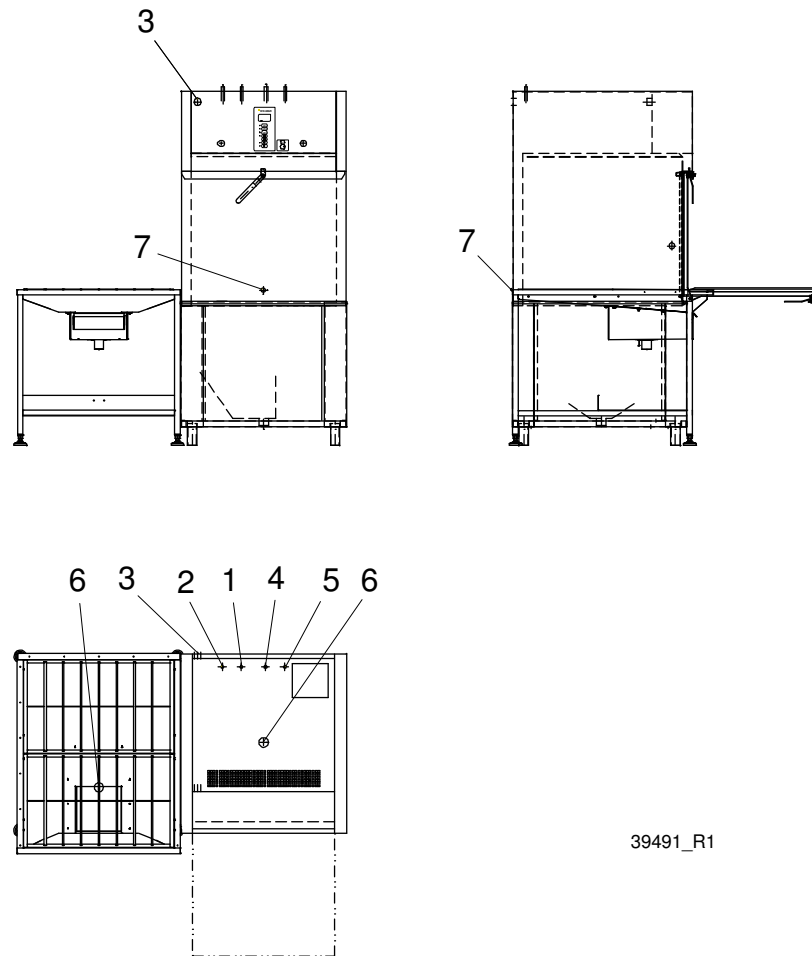
- Check that the fuse for the machine at the site is off, blocked and that outgoing electrical circuits from the machine are non-live.
- Remove the protective plastic on the sides which are to be stood against a wall.
- The distance between the wall and machine should be at least 20 mm.
- Loosen the detergent hose on the back of the machine before putting the machine against the wall. Hang the hose up in such a way that it is easily accessible for the detergent supplier.
- If the machine is to be corner-loaded, it must be positioned with the control panel furthest away from the wall.

Place the machine in position and check that it, and any accessories, are horizontally level. Adjust the height with the legs.

Check with a spirit level that is standing level. Place the spirit level on the join between the machine tank and the upper part. Once the machine has been filled with water, do another check to make sure the machine is standing level.

Installation instructions

3.5 Connections



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1. Cold water connection
2. Hot water connection
3. Electrical connection
4. Steam connection (option)
5. Condensing water connection (option)
6. Drain/waste pipe connection
7. Detergent connection

In the following chapter, figures are given in brackets to clarify what needs to be done. These numbers refer to image and list above.

Installation instructions

3.5.1 Electrical connection

Information about electrical connections is available on the machine's wiring diagram which is provided on delivery. Store the diagrams in the plastic pocket, located in the electrical cabinet, even after installation.



- The machine is designed for quick electrical installation.
- The machine must be connected to a lockable main switch. This should be placed on a wall, well-protected from water and from the steam which escapes when the machine is opened.



It is important that the electrical connection is checked so that it is certain that the live and neutral wires are correctly connected and not swapped over. It is also important to check at the same time that the earthing system connection is correct and sufficient so that the machine's electrical and personal security system is not compromised.

The connection in the electrical cabinet is at (3). After completing the installation, switch on the main switch and all circuit breakers.

3.5.2 Water connection, regardless of any options



- A shut-off cock must be installed on the incoming pipe.
- It is important that the water supply has sufficient pressure to ensure the correct flow of water to the machine. The required water flow and pressure can be found in the TECHNICAL SPECIFICATIONS. If the water pressure is too low, a booster pump must be fitted.

The water supply pipes are connected at (1) and (2). If the machine is connected with a hose, this should be steel braided and have an internal diameter of at least 12 mm.

The hot water connection on the machine is fitted with a filter and has an internal thread.

The cold water connection on the machine is fitted with a filter, non-return valve and vacuum valve and has an internal thread.

3.5.3 Ventilation

The machine's heat load for the room is stipulated in TECHNICAL SPECIFICATIONS.

3.5.4 Steam (optional)



A shut-off cock must be installed on the incoming pipe. The required steam pressure can be found in the TECHNICAL SPECIFICATIONS.

Installation instructions

3.5.5 Condensation water (option)

A condensation connection (5) is only provided on steam-heated machines. The pipe is connected to the system's steam boiler.

3.5.6 Drain/waste pipe

There must be a waste pipe with an effective trap for the machine's waste water and for water used for rinse cleaning. The machine's capacity requirements for drainage are stipulated in TECHNICAL SPECIFICATIONS.

The waste water system connected to (6) should consist of a 50 mm metal pipe that will withstand mechanical impacts. The drain must run to a floor drain, where its opening must be above the water level.

Ensure that the drain connection is kept in place by using e.g. cable ties in the designated areas.

3.5.7 Detergent and drying agent



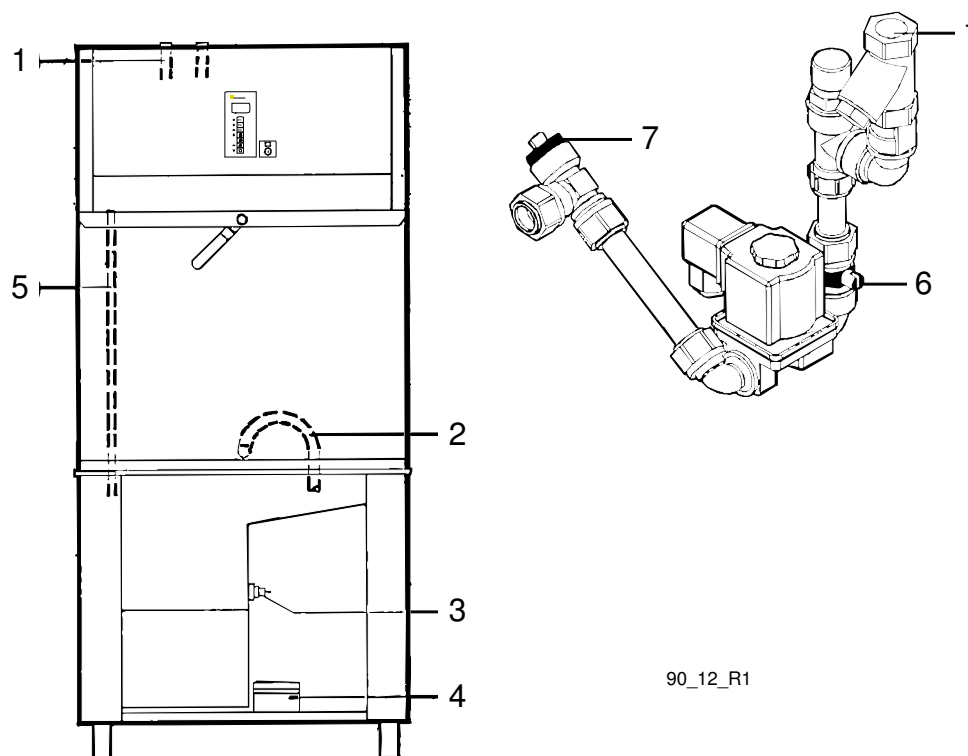
- The machine comes ready for fitting detergent and drying agent equipment, but this is not included with the machine.
- Use the same make and type of detergent and drying agent.
- With machines connected to cold water, the water pipe temperature may be too low for use of powder or paste type detergents.
- If liquid detergent is used together with Wexiödisk's detergent pump, the detergent must be placed under the machine's tank level.
- Attach the hoses to the detergent and drying agent carefully.

If equipment for a different type of detergent is used, it should preferably be put on the wall behind the machine to avoid holes being drilled unnecessarily in the machine.

The process of setting the detergent and drying agent dispenser is described in the ADJUSTMENT INSTRUCTIONS.

For information about electrical connections, see the electrical diagram.

Installation instructions



Connecting detergent and drying agent

1. Incoming hot water
2. Detergent hose
3. Hole for measuring cell
4. Junction box
5. Bushing for drying agent hose
6. Water outlet for detergent dosage
7. Connection for drying agent dosage

Installation instructions

Electrical connection of the equipment

- Remove the machine's front panel. The panel is fixed with screws on the bottom edge under the stand.
- The connections for the dosing equipment are in the junction box (4) which is located on the stand inside the front panel. The connections are marked 101 - 106. (For connection information, see the wiring diagram.)
- The measuring cell (3) can be connected to connectors 107 and 108 in the junction box.

Detergent dosage

- Remove the machine's top panel.
- The water outlet (6) for the detergent dosing system is on the incoming hot water pipe (1) in front of the solenoid. The pipe from the outlet can be taken around the back inside the rear panels where there is a bushing.
- The hose (2) on the back of the machine is connected to a detergent container. The hose supplied with the machine is connected to the wash tank.

Drying agent dosage

The connection for the drying agent (7) is on the incoming hot water pipe after the solenoid. The hose for the drying agent must be taken through the plastic pipe (5) inside the rear panels.

3.5.8 Setting / adjustment of flows

This is described in the chapter ADJUSTMENT INSTRUCTIONS.

3.6 Installation and connection of auxiliary equipment and options



- Once the machine is in place and has been adjusted horizontally and vertically, the auxiliary equipment can be fitted.
- The machine can be equipped with a number of options. Check what your machine is equipped with, which depends on the model, machine type and country.

The various options normally place no specific requirement on the installation.

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 filled when the machine is started and used.

Machine type:
Machine serial number:
Installation date:

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

1. Check the following before starting and filling the machine with water:

- Water and drain connections.
- That the machine is evenly balanced.
- That the cassette can easily be moved in and out of the machine.
- The equipment for detergent and drying agent is correctly connected
- The filter, filter tray, cover plates and level pipe should be in position.
- The correct quantity of granulate should be in the machine.
- That the overheating protection device is reset.
- That the FU21 and FU42 mini-switches are in the off position.

2. Filling the dishwasher with water:

- Open the tap(s) to the dishwasher's water connection and fill the break tank with water (possible option). Air the booster pump (possible option).
- Start the dishwasher.
- Check the direction of rotation of the pumps
N.B.! If the pump is rotating in the wrong direction, the phase must be inverted on the incoming electrical cable connection.
- Fill the machine with water.
- Turn on the mini-switches FU21 and FU42 when the booster heater and tank has filled with water.

3. Check the setting of the reference values:

- All the reference values have been set to the recommended values on delivery
- Check that the water temperatures (tank, booster heater, etc.) have been reached in accordance with the reference values.

Installation instructions

4. Run a number of washes complete with loads and check:

- There are no water leaks.
- The door switch functions.
- The water temperatures are maintained.
- The washed items are clean.
- The washed items are dried.
- The water flow to the machine is adequate (See the Technical Specifications). Inform the customer if the water flow and the water pressure for the incoming water are too low.
- The motor cut-off switch setting against the wiring diagram.

5. Final check:

- Empty the machine and turn off the power using the main switch before the final check is performed.
- Re-tighten all connections on contactors and circuit breakers.
- Check that all circuit breakers are set to the ON position.
- Set up the quick guide(s) supplied.

6. Train and inform personnel concerning:

- Washing
- Care (daily, weekly and other frequencies)
- The recommendations given concerning annual servicing
- The fact that Wexiödisk's original granulate **must** be used (warranty conditions).

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

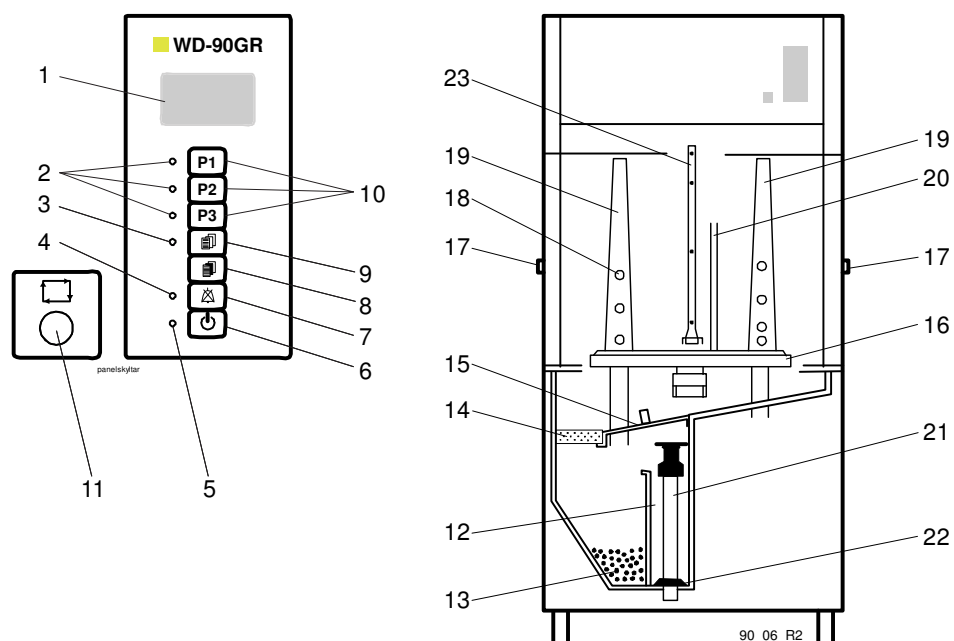
The use of the machine is dependent on how the machine is equipped.



If the machine will not be used for a longer period, the power to the machine should be turned off using the power switch, the water supply turned off and machine should be left open.

4.1 Before washing

4.1.1 Machine design



Operating instructions

1. Display
2. LEDs which indicate the choice of programme
3. LED which indicates that the diagnostics function is activated
4. LED for the alarm function (flashes when alarm active)
5. LED which lights when the power is switched on.
6. On/Off
7. Button for resetting alarm
8. Push button for switching between diagnostic messages.
9. Button for diagnostic messages
10. Buttons for selecting the programme
11. Control button for starting the wash programme
12. Wash tank
13. Wash tank with granulate
14. Filter
15. Cover plates
16. Rotating table
17. Pushbuttons for the door lock. (Pressing the buttons allows the door to be lowered in parallel with the front panel.)
18. Wash nozzle
19. Wash arms
20. Drive arm
21. Level pipe
22. Rubber sleeve
23. Rinse pipe for final rinse

In the following chapter, figures are given in brackets to clarify what needs to be done. These numbers refer to image and list above.

Operating instructions

4.1.2 Preparations before filling

Check:



- That the machine and removable parts have been cleaned. If not – clean them!
- That no dirt is in the washer arms' (19) or in the rinse pipes' (23) nozzles.
- That the wash tank (12) is completely free from granulate. Granulate in the wash tank can cause a water leak round the rubber seal on the level pipe (22).
- That there is granulate in the granulate wash tank (13). The tank should contain 5 litres of granulate.
- That removable parts are correctly in place. The level pipe (21), filter (14), cover plates (15) and the rubber sleeve on the level pipe (22) form a seal against the bottom plate.
- amount of detergent and drying agent (option)
- that the stopcock for the water to the machine is open
- That the power switch is in the ON position

Detergent and drying agent



- Ordinary washing-up liquid must not be used in the machine or for soaking. Contact your detergent supplier regarding the choice of a suitable detergent. Washing-up liquid causes a build-up of foam, produces poor wash results and can damage the machine.
- Steel wool must not be used for pre-treating the dishware.
- Only detergent and drying agent intended for industrial machines may be used.
- If using liquid detergent and drying agent, the same make and type of detergent and drying agent should be used.
- If the machine is equipped with a condensing unit, dishware should be removed from the machine as soon as the condensation cycle is complete so that re-condensation does not occur.
- Different makes of granules differ in both size and weight. The machine is designed to use Wexiödisk original granulate. The amount to be added to the machine is indicated under "TECHNICAL SPECIFICATIONS".

4.1.3 Filling and heating the machine

NB: There must not be a cassette in the machine while it is filling.

- Press button (6) to switch on the power supply.
- Press one of the programme buttons P1, P2 or P3 (10).
- Close the door. The machine will start to fill with water.
- Messages indicating the sequence of events appear on the display (1).



- NB: The time needed to heat the water to the right wash temperature depends on the temperature of the incoming water.

4.1.4 Positioning the items in the cassette



The dishware must not be soaked if granulate is to be used during washing.



All the items must be correctly and firmly positioned. The dirty side of the items must face outwards. Check that nothing is sticking out and preventing the cassette from rotating in the machine.



To avoid the wash nozzles getting blocked, it is important to remove all large pieces of food from the items to be washed before putting them in the machine.

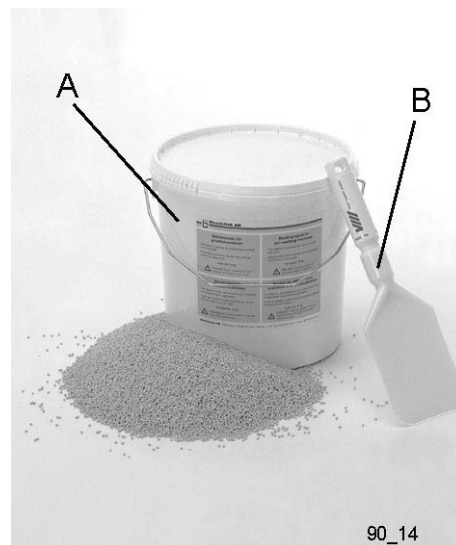
4.1.5 Using accessories



A number of accessories are available for washing different types of items. It is important to use the correct accessories in order to obtain the best washing results. Items which are incorrectly positioned can come loose and damage the machine.

Granulate and separating spatula

The granulate is used for the wash programmes with granulate P1, P2 and P3. The spatula is used to scrape off loose dirt.



A=Granulate WD209.7260

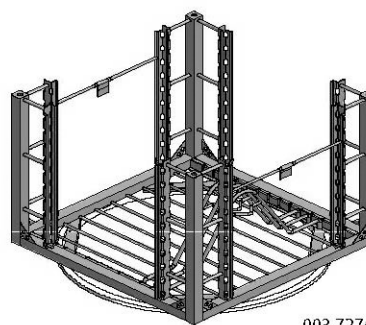
B=Separating spatula WD209.7261

4.1.6 Restaurant kit (WD-90GR Flex)

Kit for customers with a mix of items typical of a restaurant. For customers with a large number of gastronomic containers in smaller sizes: 1/2, 1/3, 1/4 or 2/8. There is the option of washing lightly soiled loads in plastic washing baskets.

Square cassette

Cassette with supporting sides for all types of washing. The items are positioned in the cassette so that they do not move during the wash cycle. 1 grid holder is supplied with the machine.

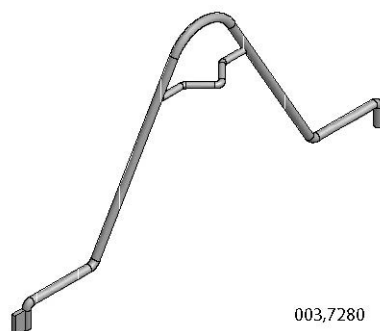
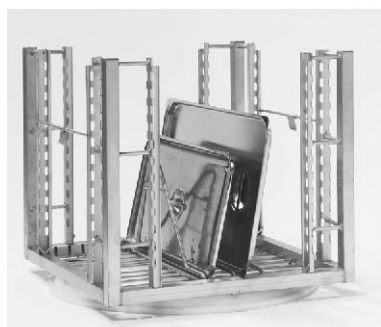


003,7276

Square cassette WD209.7276

Supporting side

The supporting side (3 are supplied with the machine) is positioned on the base of the cassette and used for washing lids, chopping boards, baking trays and other items. The items are placed between the supporting sides. The sides are removable and the distance between them can be adjusted to fit the items being washed. To remove the sides, push them together from the side and lift them up.

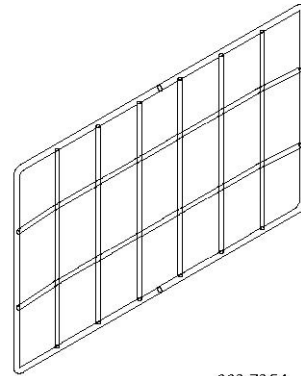


003,7280

Supporting side WD209.7280

Pot grille

The pot grille is used to prevent items moving sideways. The side holder is positioned in the fixed guides on the cassette. 3 pot grilles are supplied with the machine.

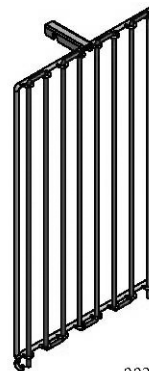
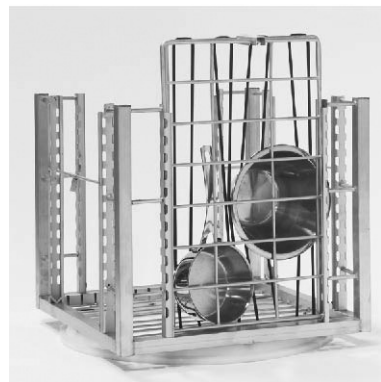


003,7354

Pot grille WD209.7354

Flexible insert

Bowls, small saucepans, baking tins and other items which are hard to position in other holders can be washed using the flexible insert, which is used together with pot grilles (WD209.7354). The items are clamped in position between the two sides of the insert which are held apart with a lock mechanism. 1 pot grille is supplied with the machine.

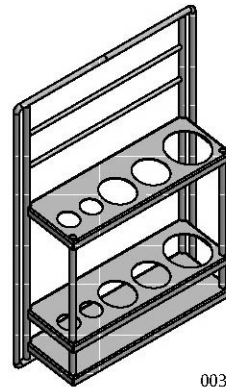
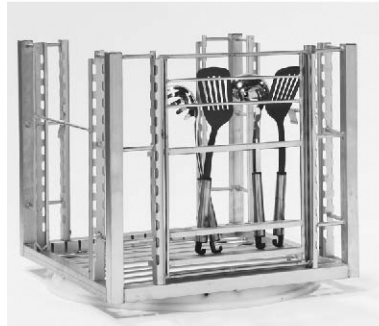


003,7281

Flexible insert WD209.7281

Utensil holder (extra equipment)

The ladle holder is used for washing utensils such as ladles, whisks etc.

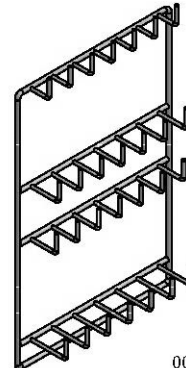
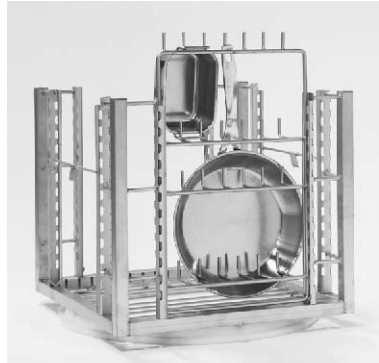


003,7277

Utensil holder WD209.7277

All-round holder (extra equipment)

The all-round holder is used for washing ABC canteens and pots and pans. Pots and pans can be hung from the top part of the holder.

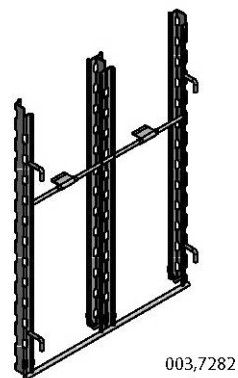
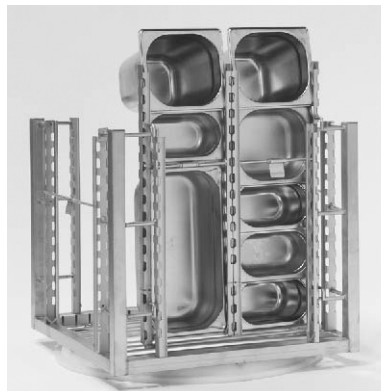


003,7273

All-round holder WD209.7273

Holder for 1/3, 1/6 and 1/9 containers (extra equipment)

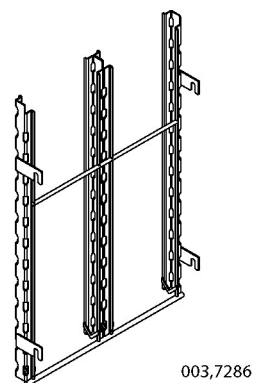
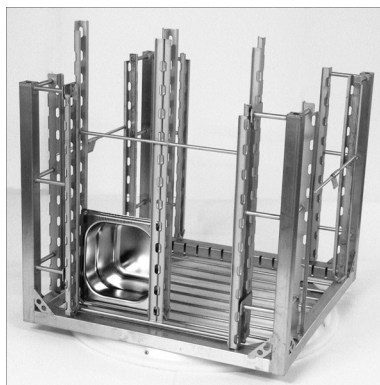
The holder is suitable for washing 1/3, 1/6 and 1/9 canteens.



Holder for 1/3, 1/6 and 1/9 canteens WD209.7282

Holder for 1/4 and 1/6 canteens (extra equipment)

The holder is suitable for washing 1/4 and 1/6 canteens.



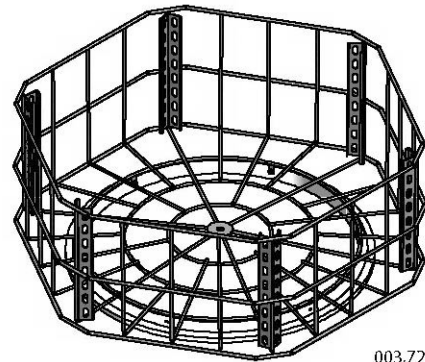
Holder for 1/4 and 1/6 canteens WD209.7286

4.1.7 Gastronorm kit (WD-90GR HC)

Kit for customers using large numbers of items in gastronorm sizes or only these types of item. Individual pots and mixing bowls. Accessory for the hexagonal cassette intended for washing a small quantity of other items.

Hexagonal cassette

Cassette with supporting sides for all types of washing. The items are positioned in the cassette so that they do not move during the wash cycle. 1 pot grille is supplied with the machine.

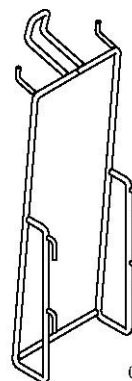


003,7285

Hexagonal cassette with space for 6 1/1 gastronorm containers WD209.7285

Pot holder

Holder used for washing larger pots. The pots are hung from the handle. The hooks on the holder fix firmly onto the cassette. 1 pot grille is supplied with the machine.

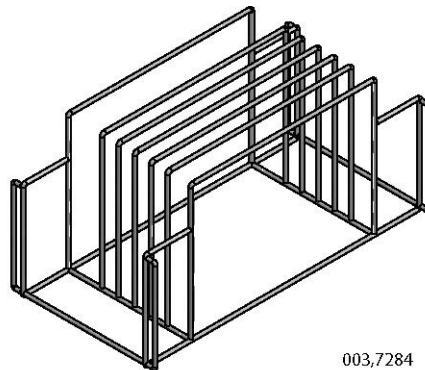


003,7255

Pan holder WD209.7255

Grid holder for 2/1 containers

The containers are inserted between the holders. 1 pot grille is supplied with the machine.

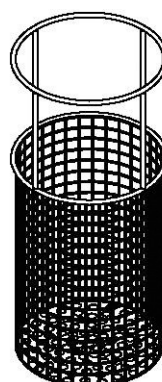


003,7284

Grid holder for 2/1 canteens WD209.7284

Utensil holder (extra equipment)

This holder is positioned in the middle of the pan holder (WD209.7252). It can be used for washing ladles, whisks, knives, etc.

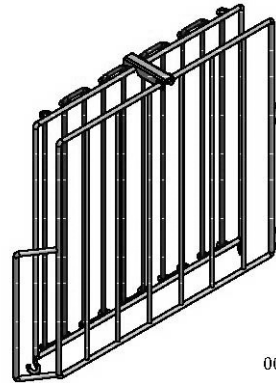


003,7251

Utensil holder WD209.7251

Flexible insert (extra equipment)

Bowls, small saucepans, baking tins and other items which are hard to position in other holders can be washed in the flexible insert. The items are clamped between the sides of the insert.

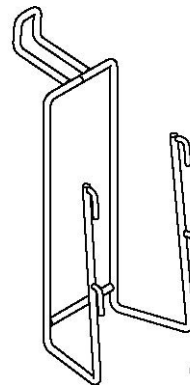


003,7283

Flexible insert WD209.7283

Pot holder for small pots (extra equipment)

The holder is used for small pots. It can also be used for containers without rims which cannot be positioned between the cassette's fixing pins.

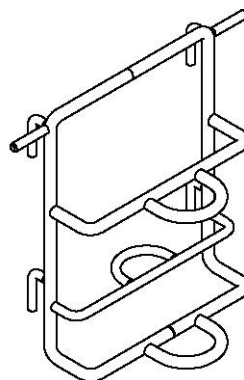


003,7254

Pot holder for small pots WD209.7254

Saucepan holder (extra equipment)

Holder used for washing items such as saucepans with long handles.

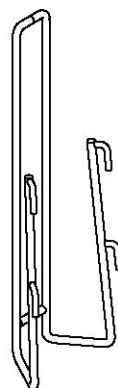
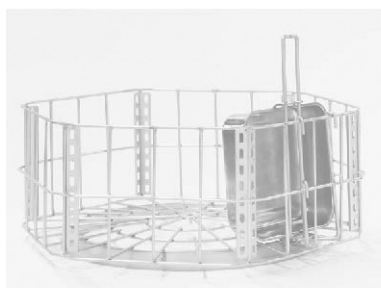


003,7268

Saucepan holder WD209.7268

ABC holder (extra equipment)

Slide the handle of the container over the holder. If the lid has a projecting handle, slide it over the holder.

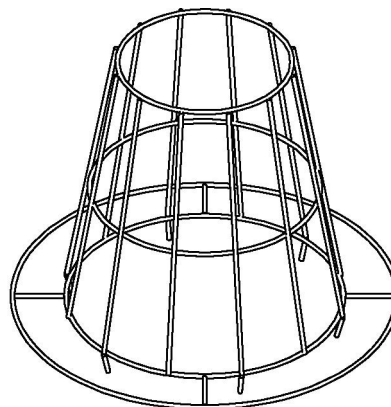


003,7253

ABC holder WD209.7253

Saucepan support (extra equipment)

The saucepan support is used for washing smaller pots. The items are positioned in the cassette so that they do not move during the wash cycle.

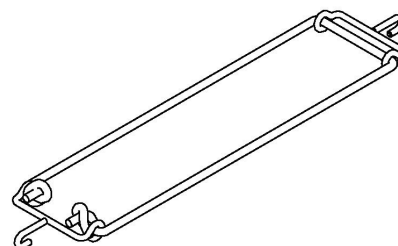
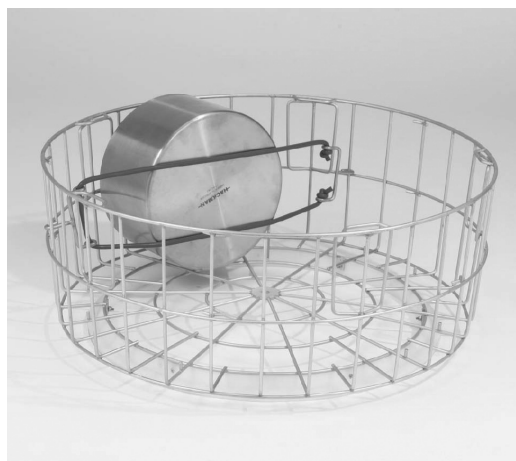


003,7252

Saucepan support WD209.7252

Rubber tensioner (extra equipment)

Items which are difficult to position can be fastened in place with the rubber tensioner.

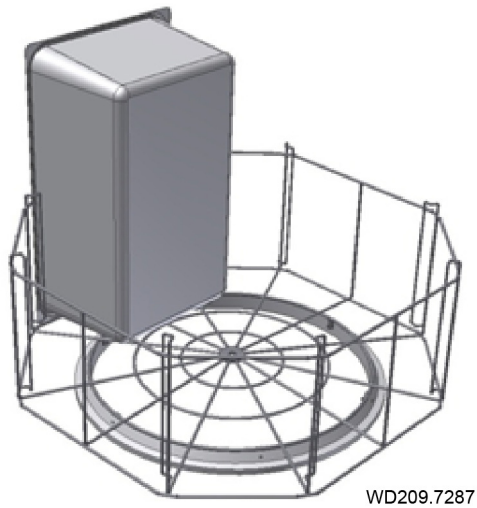


003,7272

Rubber tensioner WD209.7272

Washing basket (extra equipment)

Cassette for a maximum of four (4) 1/1 gastronorm containers with a depth of 200 mm.



Washing basket WD209.7287

4.1.8 Other extra equipment for the WD-90GR Flex / WD-90GR HC

Sorting bench

The sorting bench is used for removing food residues and stacking dirty items.



Sorting bench WD209.7270



Rinsing unit

The rinsing unit can be used both for rinsing items before washing and for cleaning the machine and the dishwashing room. In this case fitted to sorting bench (WD209.7270).



Rinsing unit WD209.7390

Trolley

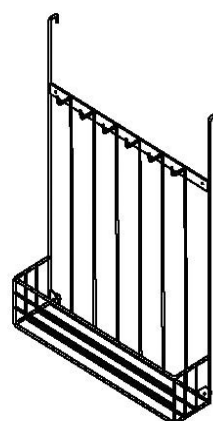
The trolley is used for moving clean and/or dirty items.



Trolley WD209.7262

Utensil holder

Holder for a variety of utensils which can be fitted on both sides of the machine.

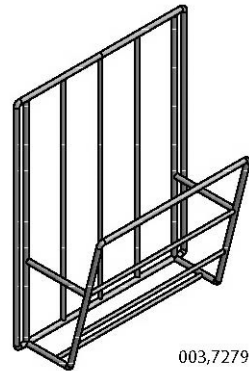
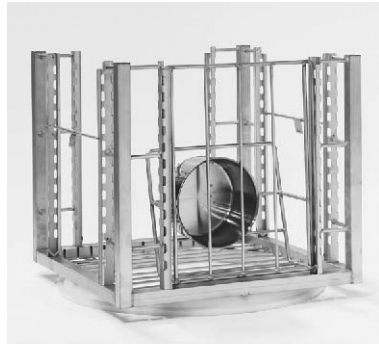


003-7257

Holder for accessories WD209.7257

Holder for small pans and bowls

This holder is used for bowls and pans.

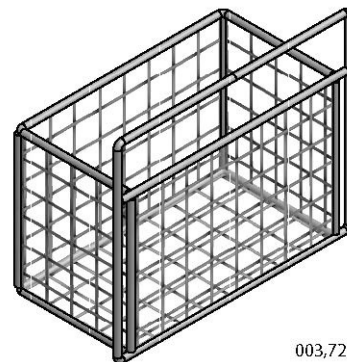
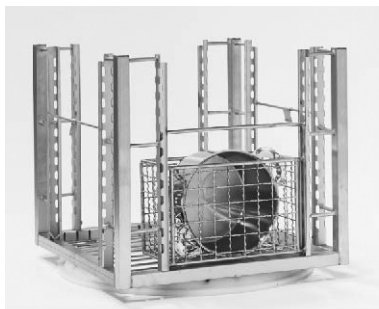


003,7279

Holder for small pans and bowls WD209.7279

Mesh basket

Small utensils can be placed in the mesh basket. They should be put loose in the basket for the best washing results.

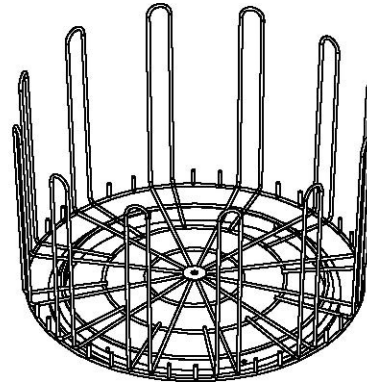
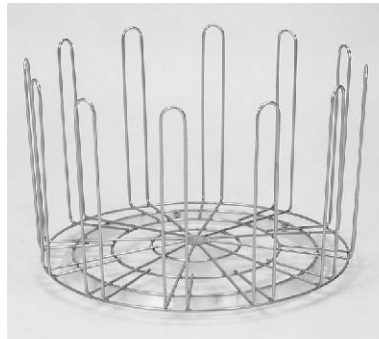


003,7278

Mesh basket WD209.7278

Wash basket for ABC canteens

Wash basket specially designed for washing ABC canteens.

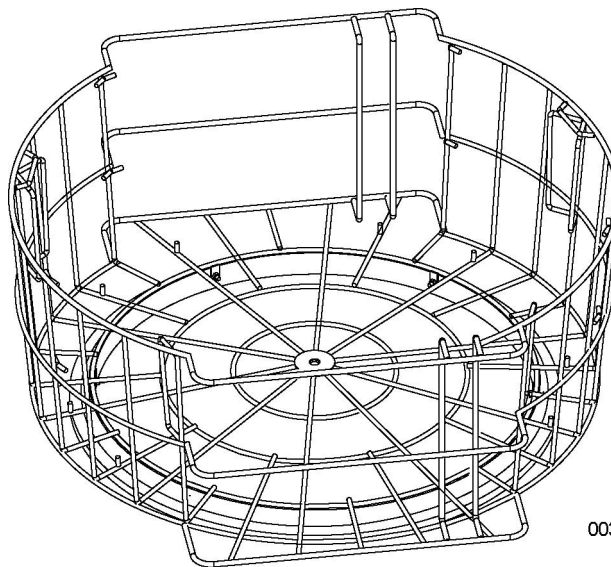


003,7259

Wash basket for ABC canteens WD209.7259

Cassette for large plastic boxes

There is room even for large plastic boxes in this cassette.



003,7275

Cassette for large plastic boxes WD209.7275

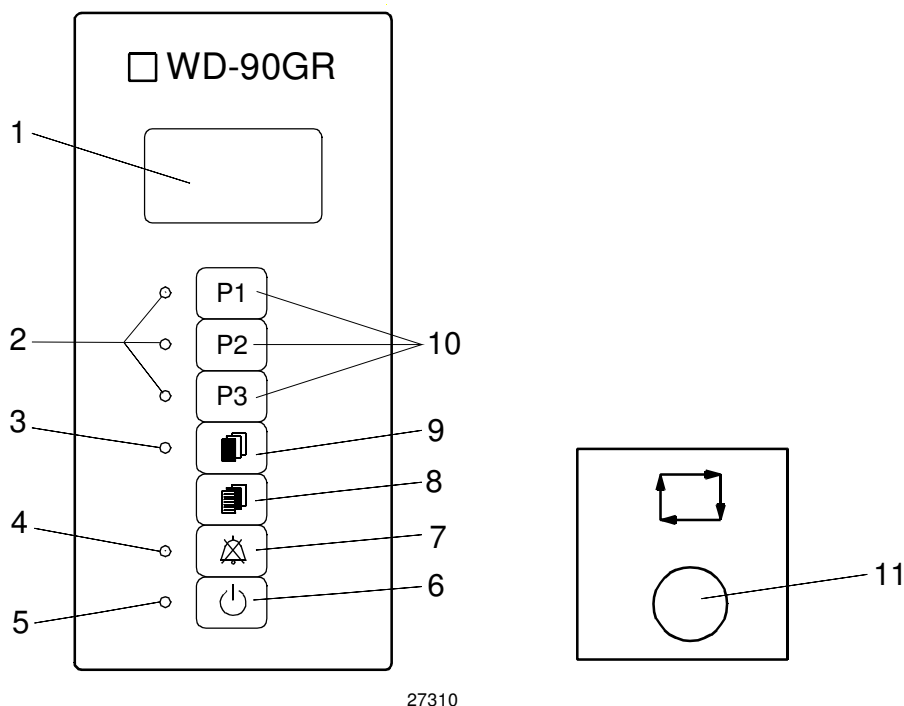
4.2 Washing

In the various stages of the wash cycle, the cassette rotates as follows:

- Washing, around 8 revolutions/minute
- Rinsing, approx. 13 rpm
- Spinning, approx. 80 revolutions/minute

4.2.1 Selecting a programme

The machine has six wash programmes (P1-P6) which can be selected using the three programme selection buttons (10) P1, P2 and P3. Each programme button can be used to select two programmes. By pressing a programme button repeatedly, you can switch between the two wash programmes and pause mode. LED (2) above the button is lit if the programme has been selected. If the LED is not lit, the machine is in pause mode.



If no wash programme has been selected (LED not lit), the machine is in pause mode and possible programme choices are shown on the display.

The programme buttons correspond to the following wash programmes:

- P1=Wash programmes P1 and P4. (Press P1 twice to access programme P4).
- P2=Wash programmes P2 and P5. (Press P2 twice to access programme P5).
- P3=Wash programmes P3 and P6. (Press P3 twice to access programme P6).



Wash programmes with granulate

Perforated containers, perforated containers and plastic containers must NOT be washed (this shortens the life of the granulate and there is a risk of granulate becoming stuck in a perforation and contaminating the food being served).

The display (1) shows which programme has been selected.

Use a programme with granulate for very dirty items, such as burned saucepans, baking sheets and gratin dishes.

The programme times depend on the water pressure during the final rinse.

- P1=Wash with granulate and spin. Programme time approx. 5 minutes. (Factory setting)
- P2=Wash with granulate and spin. Programme time approx. 8 minutes. (Factory setting)
- P3=Wash with granulate and spin. Programme time approx. 10.3 minutes. (Factory setting)

The programmes can be run with or without a spin cycle. The machine is supplied with the spin cycle enabled. If you need a programme without a spin cycle, you must change the setting in the machine's software.

A programme without a spin cycle should be used if the items being washed are for some reason not suitable for spinning, for example if the items cannot be fixed firmly in the cassette.

Wash programmes without granulate

The display (1) shows which programme has been selected.

These programmes are used for items which cannot be washed using granulate, such as plastic containers.

The programme times depend on the water pressure during the final rinse.

- P4=Heavily soiled wash without granulate and with spin. Programme time approx. 2.3 minutes. (Factory setting)
- P5=Heavily soiled wash without granulate and with spin. Programme time approx. 3.8 minutes. (Factory setting)
- P6=Heavily soiled wash without granulate and with spin. Programme time approx. 6.8 minutes. (Factory setting)

The programmes can be run with or without a spin cycle. The machine is supplied with the spin cycle enabled. If you need a programme without a spin cycle, you must change the setting in the machine's software.

A programme without a spin cycle should be used if the items being washed are for some reason not suitable for spinning, for example if the items cannot be fixed firmly in the cassette.

Operating instructions

4.2.2 Washing

- Feed the cassette containing the items being washed into the machine.
- Close the door and start the wash programme by pressing button (11).
- While the machine is washing, the display (1) will show the remaining washing time (up until the final rinse).
- When the wash programme has finished, the display (1) shows the selected programme. Do not open the door until the selected programme appears on the display.
- Open the door and remove the cassette with the clean items from the machine.



For longer periods between washes, the machine should be in the “pause” mode and should be kept closed. This ensures the temperature in the machine is maintained.

Checking the wash result



The dishware should be checked after each wash for:

PROBLEMS	CAUSES & MEASURES
Starch spots	<ul style="list-style-type: none"> • Scraping: Important to remove as much food particles as possible before washing. This also means that the water in the machine does not need to be changed as often. Scrape better. • Detergent and drying agent dosage: If using liquid detergent and drying agent, the same make and type should be used. When changing the detergent and drying agent, a service technician should be called to rinse the equipment with water. The dosing affects both detergent and drying results of the dishware. The hardness level of the water affects the consumption of detergent. Contact the detergent supplier. • Temperatures: At incorrect temperatures the dishes will not be clean. Contact a service technician if you need to change the set values. • Programme selection: Programme with too short a washing time selected. Choose a programme with a longer washing time. • Cleaning the machine: Insufficient cleaning of the machine affects the results of the washing. Ensure better cleaning of the machine. • Placing dishes in baskets: Incorrectly placed items can mean that the washing water does not reach the items during washing and rinsing. • Soaking: Items with hard dried food. NB: The dishware must NOT be soaked if granulate is to be used during washing! Do NOT use washing-up liquid.
Misting	
Protein residues	
Detergent residues	

Check whether any granulate has stuck to the items and, if it has, remove it.

Check particularly carefully when washing perforated containers.

Guaranteed final rinse

The temperature of the final rinse water is always correct and the right amount of rinse water is always used.

If the rinse temperature is too low, an alarm is triggered on the control panel. The machine continues washing until the right temperature is reached. However, the alarm can be reset in the meantime by pressing button (7) on the panel. The wash programme continues, but the machine will then rinse at a lower temperature. However, an alarm is displayed.

If the flow during the final rinse is too low, an alarm is displayed on the control panel. The alarm can also be set up to stop the machine. The factory setting is for an alarm only. If you need an alarm which stops the machine, the setting must be changed by a service engineer in the machine's software.

Emergency stop function

If the machine needs to be stopped during operation, press the button (6) to turn off the power.

To restart the machine: Press the On/Off button (6).

4.2.3 Changing the water



The machine has an alarm which indicates when the water is dirty and must be changed. The alarm is triggered after a preset number of wash cycles. The LED (4) flashes to indicate that the alarm has been activated. The alarm can be reset by pressing button (7). The machine can also be locked to prevent it from being used any further when the water change alarm is triggered. The setting must be changed in the machine's software by a service engineer.

NB: The water in the wash tank must be changed regularly, otherwise foam will start to form and the washing results will deteriorate. If the filter is clogged with foam or if foam comes out of the waste pipe, the water must be changed immediately.



The door pushbuttons (17) for the door lock on the side of the machine.



The level pipe (21) and the rubber seal (22).

Recommendations

- Change the water if a large amount of foam forms.
- If a large number of items need washing before lunch and relatively few during the afternoon, change the water directly after the lunchtime wash.
- If a large number of items need to be washed after breakfast and after lunch, change the water twice, both after breakfast and after lunch.

Machines without a drain pump

- NB: Before changing the water, you must run programme P4. Use a cassette containing no items for washing.
- Press the 0/1 button (6) to switch off the power. Keep the door shut and press the buttons (17) on the side of the machine.
- Lower the door in parallel with the front panel.
- Take out the circular table (16), the filter (14) and the cover plates (15). Rinse these items in water.
- Turn the level pipe (21) a quarter of a turn to empty the tank.
- If necessary, rinse the wash tank and the granulate with water.
- Turn the level pipe (21) back a quarter of a turn until the rubber seal (22) seals with the bottom plate.
- Replace the cover plates, filter and circular table.
- Press 0/1 (6) and close the door.
- The machine will now fill with clean water.

When the tank is full and the correct operating temperature has been reached, the machine is ready for use again.

Machines with a drain pump

- NB: Before changing the water, you must run programme P4. Use a cassette containing no items for washing.
- Press the 0/1 button (6) to switch off the power.
- Take out the circular table (16), the filter (14) the cover plates (15) and the level pipe (21). Rinse these items in water.
- Press programme button P1 to start emptying.
- If necessary, rinse the wash tank and the granulate with water.
- Replace the level pipe, filter, cover plates and circular table.
- Press 0/1 (6) and close the door.
- The machine will now fill with clean water.

When the tank is full and the correct operating temperature has been reached, the machine is ready for use again.

4.3 After use – Cleaning



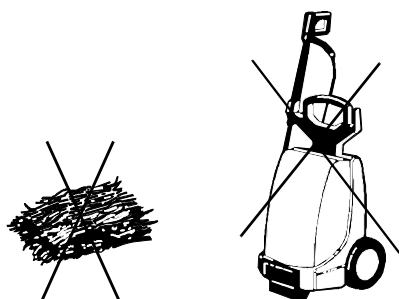
HACCP is a preventive inspection system to ensure hygiene requirements are met during the washing process and cleaning of the machine. As a result of its design, the machine meets strict hygiene requirements. Regular, thorough cleaning is also important from a hygiene perspective. A machine that is properly 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 shutdown.

4.3.1 Incorrect cleaning methods



NB: 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.



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Steel wool and pressure washers must not be used for cleaning

4.3.2 Daily cleaning

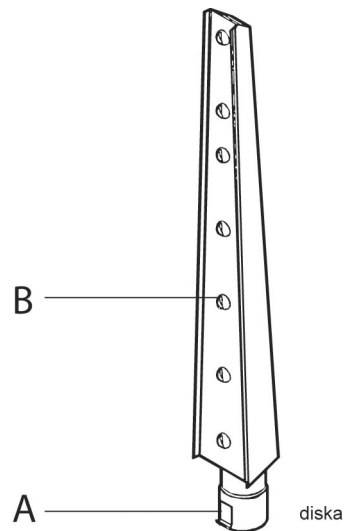
Internal (machines without a drain pump)

- Run the machine on programme P4 without a load.
- Switch off the machine by pressing button 0/1 (6).
- Press buttons (17) when the door is closed.
- Lower the door in parallel with the front panel.
- Take out the circular table (16), the filter (14) and the cover plates (15).
- Rinse these items in water.
- Turn the level pipe (21) a quarter of a turn to empty the tanks.
- Take out and clean the level pipe (21) once the tanks are empty.
- Clean the inside of the machine.
- Rinse the tanks (12, 13) and the granulate in hot water.

Internal (machines with a drain pump)

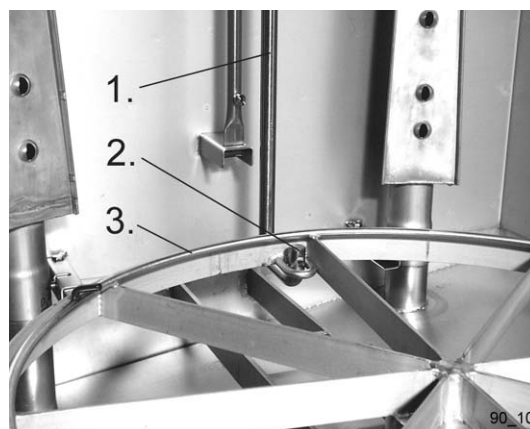
- Run the machine on programme P4 without a load.
- Switch off the machine by pressing button 0/1 (6).
- Press buttons (17) when the door is closed and lower the door in parallel with the front panel.
- Take out the circular table (16), the filter (14) the cover plates (15) and the level pipe (21). Clean the parts in hot water.
- Press programme button P1 to start emptying.
- The inside of the machine must be cleaned when it is empty.
- Rinse the granulate in hot water.

Cleaning the wash arms and the wash nozzle



Undo the quick release lock (A). Take out the wash arms. Check and clean the wash nozzles (B).

- Take out the wash arms (19). Undo the quick release lock and pull the wash arms straight up. Rinse them inside and out.
- Check that the nozzles (18) are not blocked.
- Replace the wash arms.
- Replace the circular table (16). In order for the circular table to function, the clamp on the edge of the table must be firmly fixed to the lower part of the drive arm (20).
- Clean the washing basket and other accessories.
- Put the filter (14), cover plates (15) and level pipe (21) in the washing basket outside the machine.



1. Drive arm
2. Clamp
3. Ring

Externally

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

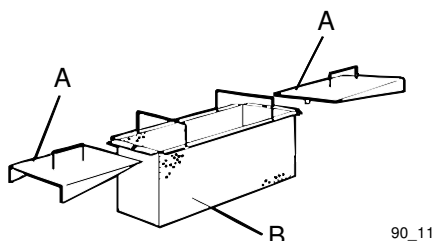
- If detergent is used, it must not contain abrasives. Detergents containing abrasives will damage the stainless steel panels.
- The exterior of the machine must not be hosed. Water can enter the machine and damage the control panel and electrical equipment.

4.3.3 Weekly cleaning or as required

Collecting the granulate



The granulate must be collected and cleaned once a week. This is done before the machine is emptied and turned off.



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To collect the granulate, replace the filters with the connector plates (A) and the granulate collectors (B).

- Remove the circular table (16) and the filter (14).
- Put the granulate collectors (B) where the filters are normally located and the two connector plates (A) on each side of the collectors.
- Run programme P1 with granulate.
- When the programme is finished, remove the granulate collector (B) and the two connector plates (A). Check that all the granulate has been collected.
- Check that the collectors contain the correct amount of granulate. The collector should contain around 5 litres of granulate. The granulate collector should be full to the brim. Add fresh granulate if necessary.
- The machine will check that it contains the correct quantity of granulate after a specific number of wash cycles (may be set).
- Leave the granulate in the collectors overnight to air.
- Put it back in the granulate wash tank (13) the next day.

Weekly cleaning of granulate (or as required)

The machine has an alarm which indicates when it is time to check the granulate level.

- The granulate must be collected.
- Place the containers in the sink and rinse the granulate using a hand shower.
- Remove any food residues.

The machine must also be cleaned in accordance with the instructions for daily cleaning.

Monthly cleaning of granulate (or as required)

- Collect the granulate and tip it into a bucket.
- Place the bucket containing the granulate in the sink. Take the hand shower and move it around in the granulate, rinsing the granulate carefully.

As the granulate is heavier than the food residues, the food residues will float to the surface and run off with the excess water. Follow the weekly cleaning instructions and allow the granulate to air properly overnight.

Annual disinfection of granulate (or as required)

- Collect and clean the granulate in accordance with the previous instructions.
- Empty the machine and clean it in the usual way.
- Press button (6) to switch off the power.
- Pour the granulate back into the machine.
- Clean the circular table, cover plates, filters and level pipe. Refit the components.

NB: Contact the service engineer or detergent supplier to shut off the detergent and drying agent dosing system.

- Start the machine and fill it with water in the usual way.
- Pour one litre of chlorine into the wash tank, then run programme P4.
- Run programme P1 with granulate three times followed by programme P4. Then empty the chlorinated water from the tanks.
- Refill the washing tank and run programme P1 once to rinse out the machine. The machine is now disinfected.

Contact the service engineer to switch the detergent and drying agent dosing system back on.

Checking the amount of granulate – Changing the granulate



The granulate will gradually start to wear and the washing results may be affected. In order to maintain good washing results, it is important that the machine always contains the correct quantity of granulate. Add fresh granulate if necessary. If the granulate is very worn, it should be replaced. The best time to do this is when the granulate is being collected as part of the normal cleaning process. This should be checked every week.



Different makes of granules differ in both size and weight. The machine is designed to use Wexiödisk original granules, and these should be used when filling with new granules. The amount to be added to the machine is indicated under "TECHNICAL SPECIFICATIONS".

Recycling the granules



Used granulate should not be disposed of with other waste. If the granulate is not contaminated, it can be recycled.

The granulate can also be discarded at an approved site or incinerated if this is permitted under local regulations.

The granulate should preferably be recycled rather than discarded or incinerated.

Operating instructions

4.3.4 Periodic servicing

Long intervals between using the machine

If the machine is not being used for a long period, the granulate and the machine should be disinfected with chlorine. You can store the granulate in the freezer during this period.



If the machine is not being used for a long period, cooking oil should be sprayed into the pump housings. The oil will prevent rust from forming in the pump housing and jamming the impeller. The cooking oil is sprayed into the pumps' inlet pipes. (This should be done by an authorised engineer.)



If the machine will not be used for a longer period, the power to the machine should be turned off using the power switch, the water supply turned off and the door should be left ajar.

4.3.5 Operating problems



Check:

- Has the machine been used according to the instructions?
- Are all removable parts in the correct place?
- Is the main switch in the ON position?
- Does the display show any error messages?
- Are the fuses in the electrical cabinet undamaged? Ask the service personnel to check the fuses.

Operating instructions

Error messages

Machine faults and user faults are indicated with messages on the display (1). The alarms indicated with a flashing LED (4) can be reset by pressing button (7) when the cause of the alarm has been rectified. Alerts that are indicated by the fact that the LED (4) is lit but not flashing cannot be reset by the operator.

The following alarms can be addressed by the operator. For other alarms, or if an alarm reset with button (7) recurs, authorised service personnel must be contacted.

ALARM MESSAGE	ACTION
(0) PLATFORM ERROR	Switch off the machine and restart it.
(63) POWER SUPPLY FAILURE CHECK THE EMERGENCY SWITCH	Switch off the machine and restart it.
(98) HARDWARE ERROR POWER ON FUNCTION DEFECT CALL SERVICE	Switch off the machine and restart it. Contact service personnel if the error persists.
(1) EMERGENCY STOP ACTIVATED PRESS RESET	Reset the emergency stop by turning it in the direction of the arrows. Then reset the alarm by pressing button (7).
(10) HACCP ALARM PUMP FUNCTIONALITY DEFECT PRESS RESET	Reset the alarm by pressing button (7).
(17) ROTATION ERROR ROTATING TABLE PRESS RESET	First turn the machine off and then on, so that the doors open. You can also wait until the programme has finished. Only the table stops rotating. The wash programme does not stop. Check that none of the items being washed have jammed the rotating table (16). Remove any items. Reset the alarm by pressing button (7).
(37) LOW FLOW DURING FINAL RINSE PRESS RESET	Reset the alarm by pressing button (7).
(38) HACCP ALARM NO FLOW DURING FINAL RINSE PRESS RESET	Check that the stopcocks on the incoming water supply are open. Reset the alarm by pressing button (7).
(40) HACCP ALARM FINAL RINSE DEFECT PRESS RESET	Check that the stopcocks on the incoming water supply are open. Reset the alarm by pressing button (7).
(42) TIMEOUT WHEN FILLING TANK PRESS RESET TO START FILLING AGAIN	Check that the stopcocks on the incoming water supply are open. Check that the level pipe (21) is closed and that the rubber seal (22) on the level pipe is sealing with the bottom plate. Reset the alarm by pressing button (7).
(105) TIMEOUT WHEN FILLING BREAK TANK PRESS RESET TO START FILLING AGAIN	Option. Reset the alarm by pressing button (7). Contact service personnel if the error persists.

Operating instructions

ALARM MESSAGE	ACTION
(43) TIMEOUT WHEN HEATING TANK PRESS RESET	Reset the alarm by pressing button (7).
(44) LOW TEMPERATURE IN TANK PRESS RESET	Reset the alarm by pressing button (7).
(45) HACCP ALARM HEATING OF TANK DEFECT PRESS RESET	Reset the alarm by pressing button (7).
(48) HACCP ALARM HEATING OF BOILER DEFECT. PRESS RESET	Reset the alarm by pressing button (7).
(51) HACCP ALARM WASHING DETERGENT FUNKTIONALITY DEFECT PRESS RESET	Check and fill with new detergent. Reset the alarm by pressing button (7).
(57) EXTERNAL ALARM ACTIVATED PRESS RESET	Reset the alarm by pressing button (7).
(58) TIME TO CHANGE WATER IN TANK PRESS RESET	Change the water. Reset the alarm by pressing button (7).
(60) CHECK GRANULE LEVEL PRESS RESET	Collect the granulate in the granulate collectors and check the level. Reset the alarm by pressing button (7).
(104) TIME TO CHANGE GRANULES PRESS RESET	Replace the granulate. Reset the alarm by pressing button (7).
(64) TIME FOR MAINTENANCE CONTACT:	The alarm is shown on start-up. Reset the alarm by pressing button (7). The machine may then be used as normal. Contact service personnel as soon as possible!

Operating instructions

Troubleshooting

The following errors can be dealt with by the operator. If the problem persists, contact authorised service personnel.

PROBLEMS	CAUSE	ACTION
No indication on the control panel display when the control button is pressed.	The main switch is off.	Turn on the main switch.
The machine does not fill with water.	The shut-off cock on the incoming water supply is closed.	Open the tap.
	The doors are open.	Close the doors.
The tanks overflow.	The level pipe is not in place.	Fit the level pipe.
	The level pipe's rubber sleeve is not sealing against the bottom plate.	Check that the level pipe is closed. Change the rubber sleeve if it is damaged.
The machine does not start washing.	The doors are not closed.	Close the doors.
Noise from the washing pump.	Low water level. Foam in the tank.	Check the level. Change the water.
The machine is not cleaning properly.	The rinsing and washing nozzles are clogged with dirt.	Check and clean the nozzles.
	There is too little detergent.	Check that there is sufficient detergent in the machine.
	The wrong wash programme.	Choose a wash programme with a longer washing time.
	The water in the tanks is too dirty.	Change the water.
	There is too little granulate in the tank.	Check the amount of granulate and add more if necessary.
	The removable parts are incorrectly fitted.	Fit the parts correctly.
Granules are sticking to the washed items.	The rinse nozzles are blocked.	Clean the nozzles.
	There is too much foam in the machine.	Check to see how clean the wash water is. Change the water if necessary.
The granules end up in the wrong tank.	There is too much foam in the machine.	Check to see how clean the wash water is. Change the water if necessary.
	The wash water is too dirty.	Change the water.
Dishware does not dry.	The rinse nozzles are blocked.	Check and clean the nozzles.

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?

5. Technical specifications

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

TECHNICAL DATA	
Granulate pump (kW)	2.2
Washing pump (kW)	1.5
Booster pump (kW) *	0.58
Drain pump (kW) *	0.17
Rotating table motor (kW)	0.55
Booster heater (kW)	9
Tank heater (kW)	9
Tank volume (litres)	100
Weight, machine in operation (kg)	430
Granulate amount (litres)	5
Enclosure protection class (IP)	55

* option

Technical specifications

CAPACITY AND OPERATING DATA	
Total washing time programme 1 (min.) *	5
Total washing time programme 2 (min.) *	8
Total washing time programme 3 (min.) *	10.3
Total washing time programme 4 (min.) *	2.3
Total washing time programme 5 (min.) *	3.8
Total washing time programme 6 (min.) *	6.8
Max. capacity (1/1-canteens/programme) (units) (FLEX) **	4
Max. capacity (1/1-canteens/programme) (units) (HC) **	6
Water consumption, rinsing/programme (litres) ***	3.5 - 5
Water consumption, cooling/programme (litres) ***	0 - 1.5
Max. steam consumption (kg/h) ****	15
Max. surface temperature at a room temperature of 20°C (°C)	30
Sound pressure level, Normal wash / Heavily soiled wash, LPA (dBA) *****	67 / 69
Sound power level, Normal wash / Heavily soiled wash, LPA (dBA) *****	81 / 83

* Factory setting. The washing time can be adjusted.

** Max. capacity depending on the depth of the canteens.

*** Applies under ideal conditions. The water consumption depends on local conditions. Fine adjustments can be made during installation.

**** When the machine is steam-heated.

***** in accordance with EN 60 335-2-58, §ZAA.2.8 with instruments that satisfy class 1.

Measurements of the sound pressure level on site are performed in three places 20 cm from the edges of the front at a height of 1.55 m using a microphone.

When measuring sound power level, create an imaginary measurement area consisting of five sides at a distance of 1 m from all edges of the machine.

CONNECTION, ELECTRICALLY HEATED MACHINE	
Total connected power (kW)	11.3
Main fuse 400 V 3N~ (A) *	20
Max. connection area 400 V 3N~ (L1-L3, N, PE) Cu (mm ²)	6

* Other voltages on request.

Technical specifications

CONNECTION, STEAM-HEATED MACHINE 50-250 kPa *

Total connected power (kW)	2.4
Main fuse 400 V 3N~ (A) **	16
Max. connection area 400 V 3N~ (L1-L3, N, PE) Cu (mm ²)	6
Steam connection (internal thread)	R ¹ / ₂
Condensing water connection (internal thread)	R ¹ / ₂

* option

** Other voltages on request.

WATER, DRAIN AND VENTILATION CONNECTIONS

Water quality, hardness (°dH)	2–7
Hot water connection 50-65 °C (internal thread)	R ¹ / ₂
Cold water connection 5-12 °C (internal thread)	R ¹ / ₂
Drain connection, PP pipe (ø mm)	50
Hot water capacity, pressure (kPa) *	250
Hot water capacity, flow (litres/minute)	15
Cold water capacity, cooling min./max. pressure (kPa)	100 / 600
Floor drain, capacity (litres/sec.)	3
Ventilation of machine (m ³ /hour)	600
Heat load room, latent / sensitive / total (kW)	0.5 / 1.0 / 1.5

* At lower pressures, the machine should be supplemented with a break tank

SIZE AND WEIGHT FOR TRANSPORT

Size (LxWxH) (mm) *	1060x900x1950
Weight (kg) *	340

** Including packaging