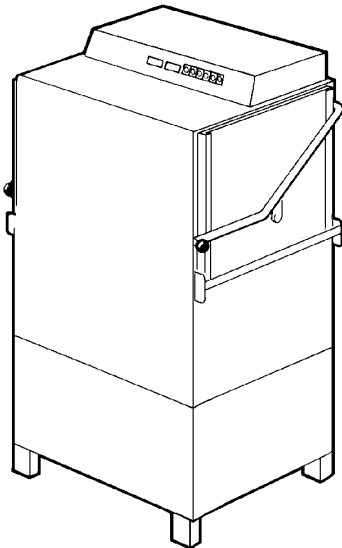


Operating Instructions

Winterhalter Gastronom Dishwasher GS 41/4



Summary

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1. Purpose

The **Winterhalter Gastronom dishwasher GS 41/4** is designed for **cleaning all types of kitchenware** used in catering establishments. It may only be used for this purpose, and in accordance with the operating instructions.

Any other usage or modification of the machine's design without our written consent will exempt us from all guarantee and product liability obligations.

2. Installation and start-up (running in)

The machine must be installed and connected to the on-site supply and waste pipes in accordance with the **"Installation instructions for Winterhalter Gastronom glass and dishwashing machines"**..

The initial start-up (or so-called "running-in" phase) and the briefing of the machine operator must be performed by Winterhalter service technicians in accordance with the **"Start-up regulations for Winterhalter Gastronom glass and dishwashing machines"**. For this purpose, you should contact the Winterhalter representative responsible for your factory once the machine has been correctly connected to the on-site supply pipes.

Your dishwasher is not ready to be put into operation until all connections have been completed.

3. Safety information for the operator

The following information must be observed in order to ensure safe operation of the machine:

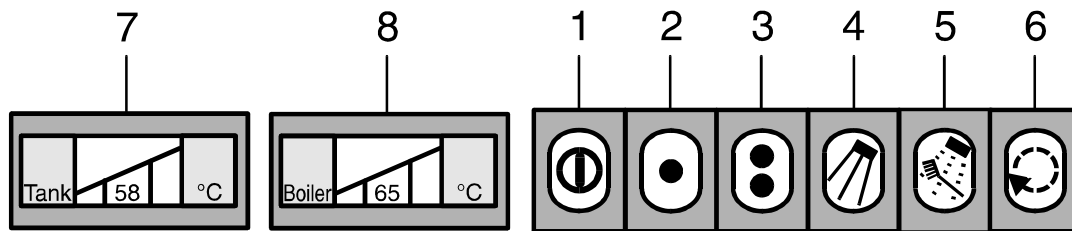


- Only operate the machine after having been briefed on the operation and workings of the machine and made sure that you understand the instructions.
- Only operate the machine as described in this manual.
- **Risk of injury:** Do not open any coverings or machine parts which require the use of a tool.
- **Risk of electric shocks:** Do not interfere with the electrical equipment of the machine yourself, but always call in a specialist (electrician).
- When using detergent and rinse aid products, observe the safety information printed on the packaging.
- Wear gloves for any work which has to be performed inside the tank while the machine is in operation or during the daily cleaning/shutdown routine.
- Notify the Winterhalter customer service department of any faults not attributable to the on-site water or power supply.
- Do not take any safety devices (door catches, etc.) out of operation.



- **The machine is not hose-proof**, and should not be sprayed with a high-pressure or steam-jet cleaner.

4. Operating and indicating elements



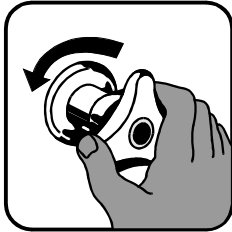
1	Mains switch	Press once = machine on (lamp illuminated). Press twice = machine off (lamp extinguished).
2	Programme 1	Press once = “Short” (1-minute) programme preselected (lamp illuminated). Press twice = Programme preselection cancelled (lamp extinguished).
3	Programme 2	Press once = “Long” (2-minute) programme preselected (lamp illuminated). Press twice = Programme preselection cancelled (lamp extinguished).
4	Main wash manual	Press once = Main wash cycle on (lamp illuminated). Press twice = Main wash cycle off (lamp extinguished).
5	Manual rinse / tank cleaning	Keep button pressed = Activate rinse for cleaning inside of tank.
6	“Programme” indicator lamp	Lights up while programme is in progress. Programme is initiated by closing the doors.
7	Temperature display	Tank water
8	Temperature display	Rinse water

6. Before the wash...

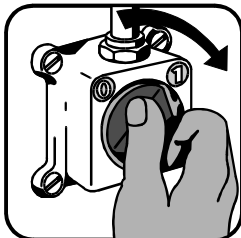
... the machine must be made **ready for operation**.

To do this, please proceed as follows:

A) **Open** the on-site **shut-off valve** of the water supply pipe.

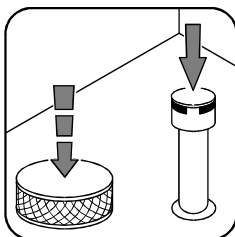


B) **Turn on** the on-site **main switch**.



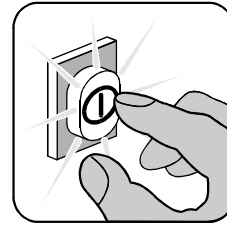
At the same time, **test** the on-site **residual-current operated circuit-breaker** for your own safety by pressing the test button.

C) Insert the **standpipe** in the wash tank by rotating it slightly until it fits snugly. Make sure the **pump intake strainer** is correctly inserted.



D) **Close** the **doors**.

E) **Push in** the **mains switch (1)** (lamp illuminated).



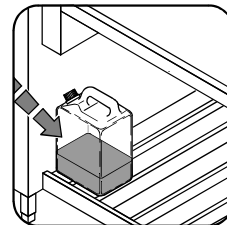
This causes the tank to be filled automatically.

When the required water level is reached in the tank, the machine is heated to the operating temperature.

As soon as a temperature of 55 to 60°C can be read off from the tank thermometer (7), the machine is ready for operation.

The heating time depends on the temperature of the incoming water.

F) **Check** the **level** of **rinse aid** in the **container**.



Top up if necessary.

Make sure that the rinse aid container never becomes completely empty after filling it for the first time.

It is topped up automatically by the dosing system.

We recommend the use of our own Winterhalter Gastronom rinse aid product.

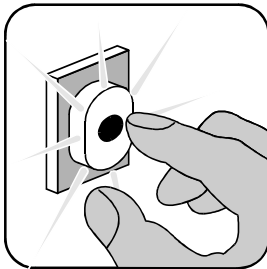
G) Add approx. 150 g of detergent (powder) as a preliminary dose.



This corresponds to a $\frac{3}{4}$ of a Winterhalter measuring cup.

To make sure the detergent is mixed in thoroughly and not deposited at the bottom, start up the machine briefly after adding the first dose.

Press button (3).



NOTE

Only use **detergents and rinse aid products** which are **suitable for commercial dishwashers**.

Observe the safety instructions printed on the packaging.

We recommend the use of our own Winterhalter Gastronom detergent.

NOTE

If the machine is equipped with an automatic detergent dosing device (optional extra), there is no need to add detergent manually.

For information on how to use this device, please see the relevant operating instructions.

H) Once the temperatures marked on the thermometer displays (7 and 8) are reached, the machine is ready to begin washing.

6. Washing

This machine has 2 programmes to choose from.

- For **lightly soiled items**, select **programme "1" (2)**
- For **normally soiled items**, select **programme "2" (3)**

The desired wash programme is pre-selected by pressing one of the two switches (2) or (3) and initiated by closing the doors.

While the programme is in progress, the "Programme" indicator lamp (6) lights up.

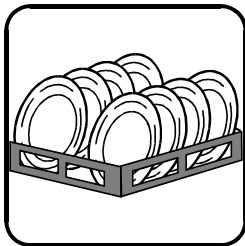
A) Prepare the kitchenware...

...before putting it in the racks.

Use a spray head or soft scraper for this purpose.

Always load the racks in such a way as to ensure **optimal results**, i.e. make sure that no items are covering each other.

Place **plates** in the racks as shown in the diagram, with the **top side facing the front of the machine**.



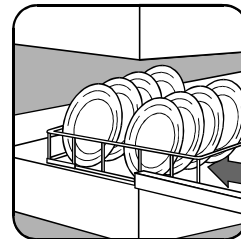
Cups and **bowls**, etc. are washed with the **opening facing downwards**.

Cutlery should be washed either horizontally in a standard rack without dividers or vertically (with the handles at the bottom) in special **cutlery receptacles** which are placed inside the standard rack. **We recommend that you immerse cutlery** in water until it is ready to be washed.

Do not pack the items too close together, as otherwise they will not be washed as efficiently.

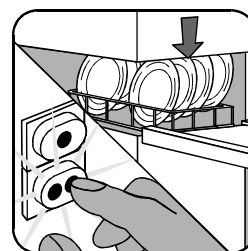
B) Slide the rack...

...from the table into the machine.



C) Press programme button (2 or 3),...

...depending on how dirty the items are and close the doors in order to start the programme.



B) Operating sequence:

- **Main wash cycle**, during which the kitchenware is **cleaned** intensively from above and below,
- **Rinse cycle**, during which the kitchenware is **rinsed** with fresh water at a temperature of 85°C (containing rinse aid).

- The **“Programme” indicator lamp** (6) lights up while the programme is in progress.
- Once the lamp has **gone out**, the **doors** can be **opened** and the **rack** pushed **out of the machine**.

Thanks to its own heat and the action of the rinse aid added to the rinse water, the kitchenware quickly dries leaving a shiny finish.

There is no need to dry the items with a tea towel.

E) Topping up the detergent

The detergent concentration becomes steadily weaker during the wash.

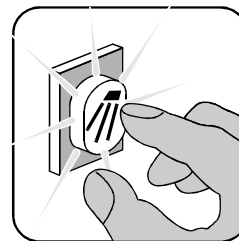
After approx. 10 washes, add approx. 65g (**half** a measuring cup) of detergent (powder).

After topping up the detergent, start the preselected programme to ensure that it mixes in thoroughly.

F) Heavily soiled kitchenware...

...can be washed for any length of time.

Simply press the switch “Main wash manual” (4).

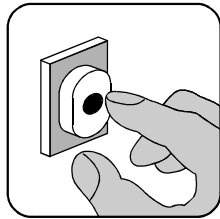


This switch lights up during operation. To stop this wash cycle, press switch (4) again and the light in the switch will go out.

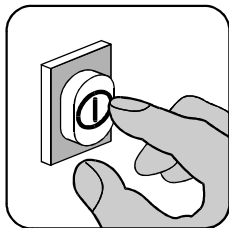
Then start Programme 1 by pressing the appropriate button (2).

7. After the wash

A) Turn the **programme switch** (2 or 3) **off**.

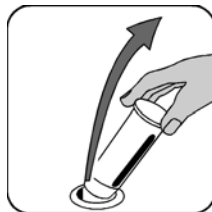


A) Turn the **mains switch (1) off**.
The indicator lamp goes out.



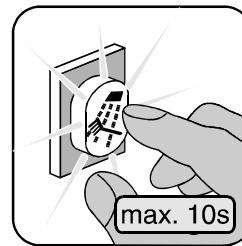
B) **Open** the **doors** and push the rack out of the machine.

A) **Remove** the **standpipe** in order to drain the tank.



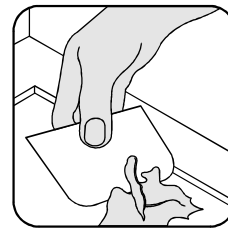
B) **Close** the **doors** and switch off the machine by pushing the **mains switch (1) in** again.

C) **Clean** the **inside of the tank** by **pressing** the “**Tank cleaning**” (5) button briefly (approx. 10s).



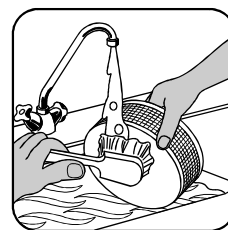
G) **Turn the mains switch (1) off** again, **open** the **doors** and check to make sure the tank is clean.

If necessary, repeat the cleaning process or remove the dirt with a brush or soft scraper.

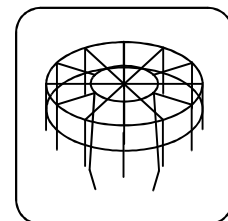


Once the wash tank has been completely emptied and cleaned:

H) Take out the **pump intake strainer** and **clean** it thoroughly.

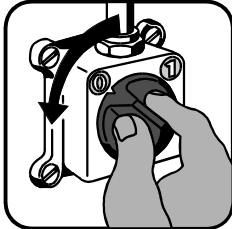


I) **Clean** the **coarse strainer** and reinsert it.



J) **Reinsert** the **pump intake strainer** and **standpipe**.

K) **Turn off** the on-site **main switch**.



L) **Close** the on-site **shut-off valve**.



M) **Clean** the **outsides of the machine** with a soft cloth using stainless steel cleaning agents.

We recommend the use of Winterhalter Gastronom stainless steel cleaner and stainless steel polish.

N) **Leave the doors open** to allow any remaining moisture to escape from the inside of the machine.

If the machine is equipped with a pre-washing unit:

Shut off the water supply to the spray hose and then actuate the spray valve in order to relieve the pressure in the hose.

10. Care and maintenance

Carry out the following **maintenance jobs** at regular intervals:

- A) Subject machine to **functional check**
- B) Remove and clean **wash arms** and **nozzles**
- C) Clean residues from **inside of machine**
- D) Clean **fine-mesh strainer** in **dirt trap**
- E) If necessary, **decalcify** the machine as follows:
 - Drain the machine
 - Stop detergent supply
 - Refill machine
 - Add decalcifier solution according to manufacturer's directions

NOTE

Observe the safety instructions printed on the packaging.

- Run the machine with empty racks until all visible deposits have been removed
- Drain the machine

NOTE

Under no circumstances should the decalcifier solution be left in the machine for several hours.

- Restore the detergent supply
- Refill the machine
- Run the machine again with empty racks
- Drain the machine or use it for the current wash

During the daily cleaning routine, make sure that no rusty foreign bodies are left on the floor and walls of the tank, as these can cause even "stainless" steel materials to rust. Such rust particles may originate from non-stainless kitchenware, cleaning aids or non-rustproof supply conductors.

Besides the daily cleaning and regular maintenance routines, the machine should undergo **thorough servicing by a specialist at least twice a year.**

We recommend that you have this done by a **Winterhalter service technician.**

Use suitable cleaning agents and preservatives to treat the **outside of the machine.** We recommend **Winterhalter Gastronom stainless steel cleaner and stainless steel polish.**

9. Faults...

... can sometimes be **rectified by the user**.

Check the possible causes indicated here and eliminate them accordingly.

If you are unable to determine the cause, contact one of the Winterhalter service technicians.

WARNING

Do not open any coverings or machine parts for which the use of a tool is required.

Fault	Possible cause
Machine cannot be switched on.	<ul style="list-style-type: none">• On-site main switch is not turned on.• Internal cause: contact the responsible customer service team.
Machine is not filling up.	<ul style="list-style-type: none">• On-site main shut-off valve is not open.• On-site dirt trap in water supply pipe is blocked.
Tank inlet keeps filling the machine.	<ul style="list-style-type: none">• Standpipe is not inserted.
Kitchenware is still dirty.	<ul style="list-style-type: none">• Detergent supply forgotten or interrupted due to empty container.• Pump intake strainer blocked.• Kitchenware not inserted correctly in the machine.• Wash nozzles in wash arms are blocked.• Setpoint temperatures not reached.
Kitchenware is still wet.	<ul style="list-style-type: none">• Clear rinse supply interrupted due to empty container.• Setpoint temperatures not reached.

10. Special notes

Should the detergent solution become heavily soiled due to intensive washing, drain it off, clean the inside of the tank and refill the tank, adding a preliminary dose of detergent again as described in section 5.

Only use detergents and clear rinse products which are suitable for commercial dishwashers. We recommend our own products for this purpose, as they have been specially developed for our machines.

All detergent and rinse aid quantities and weights specified in these instructions refer to Winterhalter products.

The machine must be protected from frost, otherwise water conductor systems may freeze and cause damage.

**These operating instructions form an integral part of the machine!
Should you resell the dishwasher, make sure you pass on the operating instructions to the new owner/operator together with the machine.**

11. Emission data

Noise emission:

Sound pressure level according to DIN 45635:	L_{wa}	=	79
Workplace-related emission level:	L_{pAeq}	=	73 dB