



## Operating instructions

for Winterhalter Gastronom dishwasher GS 501

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Declaration of EU conformity

# Operating instructions

for Winterhalter Gastronom dishwasher GS 501

These operating instructions must always be kept within easy reach of the dishwasher.



Failure to observe this sign can lead to danger for operators.



Failure to observe this sign can lead to damage to the dishwasher.



This sign indicates that the use of high pressure cleaners or steam jet cleaners is prohibited.



This sign indicates recommendations and special features.

## 1 Intended use

The **Winterhalter Gastronom dishwasher GS 501** may only be used for washing items from the catering industry and related trades. Any change in design or use of the dishwasher carried out without the written permission of Winterhalter Gastronom GmbH, leads to the guarantee and product liability becoming null and void. If damage is caused to the dishwasher due to failure to observe the instructions given in this manual, no claims under guarantee can be made to Winterhalter Gastronom GmbH.

## 2 Installation and commissioning

Installation of the dishwasher and connection to the customer's water inlet, waste water drainage and electricity connections are to be carried out according to national and local criteria by qualified fitters in accordance with the "Installation instructions for Winterhalter Gastronom glass washers, dishwashers and cutlery rinsing machines".

Main fuses and main switch to be provided by customer.

After proper connection to the customer's water and electricity connections, contact the Winterhalter representative for your area.

Commissioning and instruction in operating the dishwasher is to be carried out by the Winterhalter customer service. For this purpose, use the "Commissioning regulation for Winterhalter Gastronom dishwashers and equipment washers".

### 3 Safety instructions



- The dishwasher may only be used once the operating instructions have been read and understood. Receive instruction in the operation and functioning personally from the Winterhalter customer service.
- Only operate the dishwasher in the manner described in this manual.
- In the event of danger or faults, switch the dishwasher off immediately.
- Do not open any machine casings or machine parts if tools are necessary to do so.
- Work on the electrical equipment is only to be carried out by specialist personnel.  
First disconnect the dishwasher from the mains.



- The water in the dishwasher is not drinking water.
- In the event of faults which are not due to the customer's water or electricity supply, contact the Winterhalter customers service.
- In the event of faults with unknown causes, do not switch the dishwasher on again until the cause is known. If necessary, contact the Winterhalter customer service.
- Only use detergent and rinse additive which are suitable for industrial dishwashers. We recommend the products developed by Winterhalter Gastronom. These are specially suited to Winterhalter Gastronom dishwashers. All quantities given refer to Winterhalter Gastronom products. Observe danger instructions printed on packaging.
- During daily cleaning, make sure that no rusting foreign bodies remain inside the dishwasher. This can cause the interior to rust. The rust particles may come from non-stainless items to be washed, cleaning aids, damaged wire trays or baskets or from supply lines which have not been rust proofed.
- Leave the hood open until the next time you put the machine into operation, so that the inside of the machine can dry out. This is important for long-lasting protection against corrosion, even with high grade stainless steel.
- Protect the dishwasher against frost. Systems carrying water can be damaged if they freeze.
- Do not use normal washing-up liquid. This leads to large amounts of foam building up in the dishwasher.

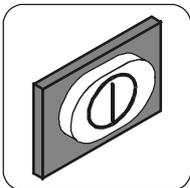


- The dishwasher is splash-proof. Do not spray the outside with a high pressure or steam jet cleaner.



- Check the FI-residual current operated device for functioning regularly according to the regulations by pressing the test button.
- In addition to daily cleaning, we recommend that you have the dishwasher serviced at least twice a year by Winterhalter customer service.

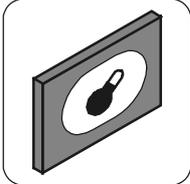
## 4 Operating and control elements



### On/Off switch

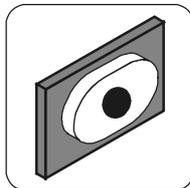
*Press On/Off switch:* dishwasher is switched on.  
Indicator lamp in On/Off switch lights up.

*Press On/Off switch:* dishwasher is switched off.  
Indicator lamp in On/Off switch does not light up.



### Indicator lamp (can only light up with full tank)

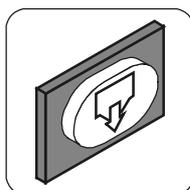
Indicator lamp illuminated: heating phase of tank.  
Indicator lamp extinguished: heating phase completed.



### Programme switch

*Press programme switch:* short programme.  
*Release programme switch:* long programme.

The indicator lamp in the programme switch lights up while the programme is in progress.



### OPTIONAL FEATURE:

#### Pushbutton switch for drain pump

*Press switch:* drain pump pumps out tank water (switch lights up)  
*Release switch:* drain pump not in operation (switch does not light up.)

## 5 Functioning of the dishwasher

After it is switched on, the dishwasher heats up the boiler. During this heating up phase, the tank is filled in batches with water and simultaneously heated up. The temperature indicator lamp lights up after filling of the tank is completed until the pre-set target temperature is reached. Then the indicator lamp goes out. It lights up repeatedly during the heating phases of the tank.

Once the tank has been filled completely, a wash cycle is started automatically to signal readiness for operation.

The dishwasher is fitted with an automatic hood start. When closing the hood, slight pressure has to be applied to overcome the hood catch position. The pre-set programme starts as soon as the lid has been closed.

The container for rinse additive is installed separately from the dishwasher. Dosage for the rinse additive is controlled automatically by the dishwasher.

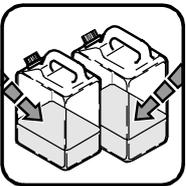
## 6 Preparation for washing



*Open stop valve of water supply.*



*Switch on customer's main switch.*

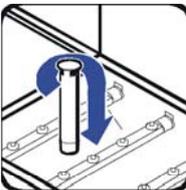


*Check level in rinse additive container and detergent container (only with automatic detergent dosage).*

*Replace or fill up empty containers.*



*Observe safety instructions on packaging.*



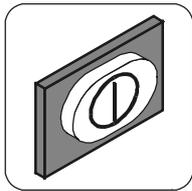
*Screw standpipe into wash tank with slight turning movement.*



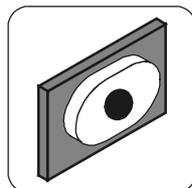
*Check whether drainage filter, pump suction filter and surface strainers are installed.*



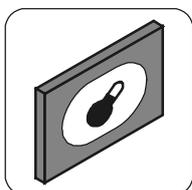
*Do not load dishes.  
Close hood.*



Switch on dishwasher:  
*Press On/Off switch: dishwasher is switched on.*  
Indicator lamp in On/Off switch is illuminated.  
Tank is filled by the boiler and heated up.



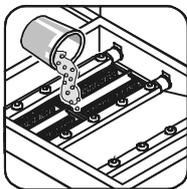
Once the tank is filled completely, a wash cycle is started automatically to signal readiness for operation.  
The programme switch lights up.



Indicator lamp illuminated: heating phase.  
Indicator lamp extinguished: heating phase completed.

### ● Detergent dosage

If the dishwasher is fitted with an external detergent dosage pump, there is no need for manual dosage. In this case, detergent dosage is carried out automatically by the dishwasher.  
With an external detergent dosage pump, please observe the operating instructions belonging to it.



#### **Manual detergent pre-dosage:**

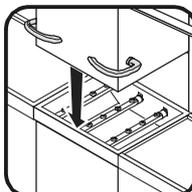
Pour detergent powder into surface strainer with cup.  
Dosage: Approx. 120g



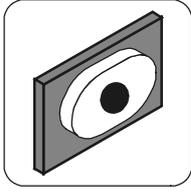
We recommend Winterhalter Gastronom detergent powder. Observe the Winterhalter Gastronom recommended dosage.



Observe safety instructions on the detergent packaging.



*Close hood. Wash programme is started.*



Programme switch illuminated: wash programme in progress.  
Programme switch extinguished: wash programme completed.

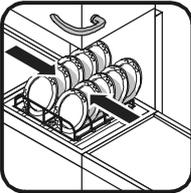


**Manual addition of detergent:**

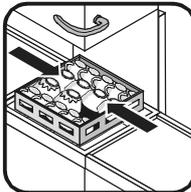
Manual addition of detergent powder must be repeated after approx. every 5 wash cycles. Pour 60g of detergent powder onto the surface strainer. Then start the wash programme.

## 7 Washing

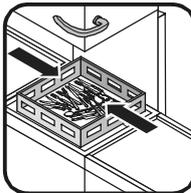
Pre-clean dishes (if necessary pre-wash with spraying nozzle), *place* in wash rack:



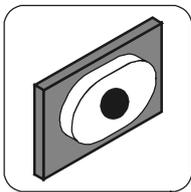
Upper surface of plate facing forward.



Cups and bowls, opening facing down.

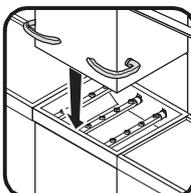


*Insert* cutlery in one layer only.

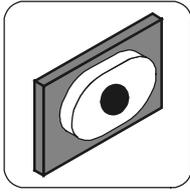


To select programme length:  
Press programme switch: short programme  
Release programme switch: long programme

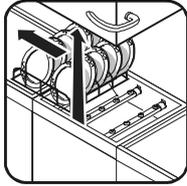
Note: The indicator lamp in the programme switch does not light up yet



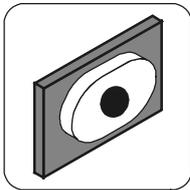
*Close* hood. The wash programme starts automatically.



Programme switch illuminated: wash programme in progress.  
Programme switch extinguished: wash programme completed.



*Open hood.*  
*Remove rack*



When the hood is opened, the programme switch lights up again briefly and the wash programme switches to standby.

As soon as the programme switch is extinguished again (after approx. 5 seconds), a new programme can be started.

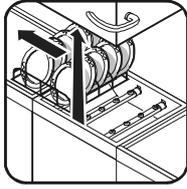


- The programme starts automatically when the lid is closed.
- Check surface strainers occasionally for contamination and clean if necessary.
- Check tank water for soiling. If necessary, drain and re-fill machine.

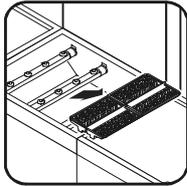
### ● Wash pause

Do not close hood completely but leave in the lower rest position, since on complete closure a wash programme is immediately triggered.

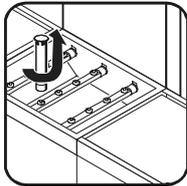
## 8 After washing



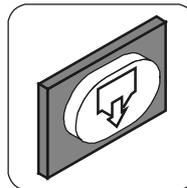
Open hood and remove wash rack.



Remove and clean surface strainers.



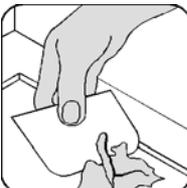
Remove standpipe, tank is drained.



**Note:** If the dishwasher is fitted as an optional extra with a drain pump for pumping off the tank water, the white switch must be pressed after removing the standpipe. The switch then lights up. Pumping is ended by pressing the switch again.

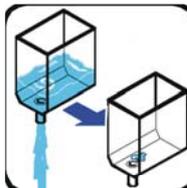


Spray inside of dishwasher and clean.



Check whether the interior has been cleaned completely. Remove any remains with a soft scraper or a soft brush.

If necessary, spray the inside of the dishwasher again.

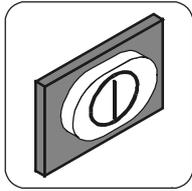


For machines with a drain pump, check whether tank has been completely drained.

If necessary, press the white switch again. After draining, release the switch again.



Re-insert parts removed (standpipe, surface strainers, pump suction filter).



Switch off dishwasher.  
Press On/Off switch: dishwasher is switched off.  
Indicator lamp in On/Off switch is extinguished.



Close stop valve of water supply.

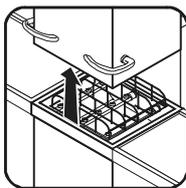


Switch off customer's main switch.  
**Only now is the machine isolated.**

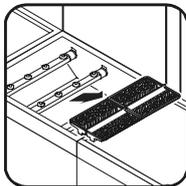


- Leave hood open. In this way the interior can dry out.
- Clean the outer walls of the dishwasher with cleaning products for high grade stainless steel. We recommend Winterhalter Gastronom high-grade stainless steel cleaner and Winterhalter Gastronom high-grade stainless steel protection.

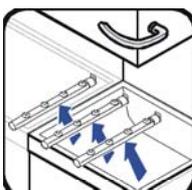
## 9 Maintenance and care



Open hood.



Remove and clean surface strainers.  
Remove and clean pump suction filter.



Remove wash arms and check nozzles for blockages.



Re-insert parts removed.



Clean the outer walls of the dishwasher with cleaning products for high-grade stainless steel. We recommend Winterhalter Gastronom high-grade stainless steel cleaner and Winterhalter Gastronom high-grade steel protector.

## Descaling

*Drain machine.*

*Interrupt detergent supply: Remove suction pipe from the detergent canister.*

*Re-fill machine.*

*Addition of the descaling solution according to manufacturer's instructions.*



**Observe the printed safety instructions.**

*Start wash programme 3-5 times (max. 10 minutes circulation). This loosens the coating of scale.*

*Drain machine.*



**Never leave the descaling solution in the machine for a period of several hours.**

*Put detergent supply into operation again.*

*Re-fill machine.*

*Operate machine 3-5 times more.*

*Drain machine or use for the current wash programme.*

## 10 Faults

<b>Fault</b>	<b>Cause/Effect</b>	<b>Remedy</b>
Appliance does not start up	Customer's main switch is not switched on	Switch on customer's main switch
Dishwasher does not fill up	Stop valve closed For machines with drain pump, white switch is pressed and illuminated	Open stop valve Press switch. Indicator lamp must go out.
Wash programme does not start	Hood is not completely closed Programme not on standby	Close hood completely. Press hood over hood catch Open hood again briefly until indicator lamp in programme switch is extinguished
Items are not clean	Too low dosage of detergent or detergent container empty  Surface strainer blocked  Wash nozzles in the wash arms blocked  Functional fault in the water treatment	Top up detergent container or add detergent powder  Clean surface strainer  Clean wash nozzles  Call Winterhalter customer service

## 11 Emission values

Noise emission values

The values refer to the workplace. (DIN EN ISO 11202)

$L_{pAeq} = 67 \text{ dB}$