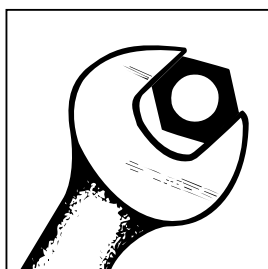


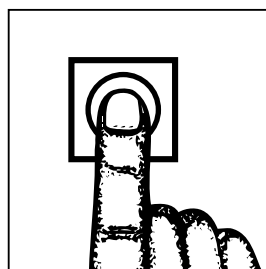


## Utensil Washing Machines UXT Series

### INSTALLATION



### OPERATION



## Important Notes

- **Use in Accordance with Regulations**

Hobart Utensil Washing Machines are only intended for cleaning pots and pans, baking sheets, cutlery, trays etc.

**Do not use for electrically heated cooking and heat conservation appliances.**

Do not put heavy objects on the top of the machine.

- **Safety**

Do not stand on the open front door of the machine.

Never hose down the machine.



The "**Attention**" symbol is shown beside instructions that are essential for the **safe operation** of the machine. **Please read** these passages **thoroughly**.

- **Liability**

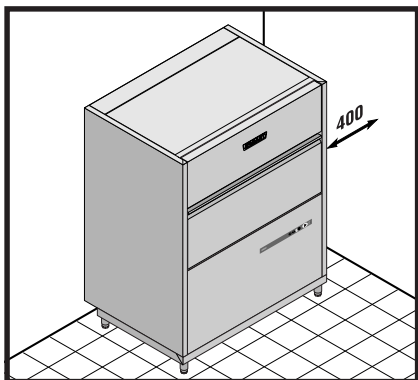
Installations and repairs which are carried out by **non authorized technicians** or the use of other than original spare parts, and any **technical alterations** to the machine, **may affect the warranty set out in the standard conditions of sale**.

**Machine noise level is 67 dB (A)**

## Installation and Operation Instructions for Models of UXT Series

Content	Page
<b>1 Installation .....</b>	<b>4</b>
1.1 Location .....	4
<b>2 Connections .....</b>	<b>4</b>
2.1 Electrical connection .....	4
2.2 Water connection .....	4
2.3 Steam connection (steam heated machines only) .....	5
2.4 Adjustment of shut-off valve for steam supply .....	5
2.5 Drain connection .....	5
<b>3 Connecting of detergent pump .....</b>	<b>6</b>
<b>4 Controls .....</b>	<b>8</b>
<b>5 First run .....</b>	<b>9</b>
5.1 Rinse agent .....	9
5.2 Detergent (only on option) .....	9
5.3 Softener (only on option) .....	9
5.4 Filling of the rinse booster heater and pre-dosing .....	9
<b>6 Settings .....</b>	<b>10</b>
6.1 Adjustment of detergent dosage quantity .....	10
6.2 Adjustment of rinse agent dosage quantity .....	10
6.3 Adjustment of water hardness (with optional softener only) .....	10
6.4 Priming of suction hose detergent .....	11
6.5 Priming of suction hose rinse agent .....	11
<b>7 Operation .....</b>	<b>12</b>
7.1 Preparation .....	12
7.2 Run .....	13
<b>8 Preview of temperatures .....</b>	<b>13</b>
<b>9 Switch-off and cleaning the machine .....</b>	<b>14</b>
9.1 Switch-off .....	14
9.2 Cleaning (daily) .....	14
9.3 Cleaning (weekly) .....	14
<b>10 Refilling the softener with salt .....</b>	<b>15</b>
<b>11 Frost prevention .....</b>	<b>15</b>
<b>12 Maintenance .....</b>	<b>15</b>
<b>13 Faults .....</b>	<b>16</b>
<b>14 Trouble shooting guide .....</b>	<b>16</b>

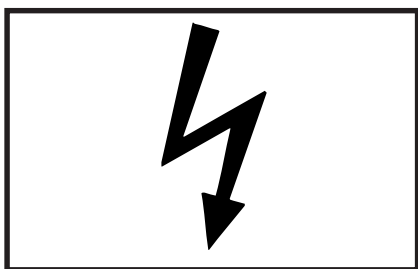
# 1 Installation



## 1.1 Location

- Wall clearance is not required at the rear.
- The lateral distance between machine and wall should be 400 mm on one side.
- To avoid damage of the feet, do not slide the machine on floor after the skid is removed.
- Level machine by turning the feet.
- Distribute machine weight equally onto all feet.

# 2 Connections



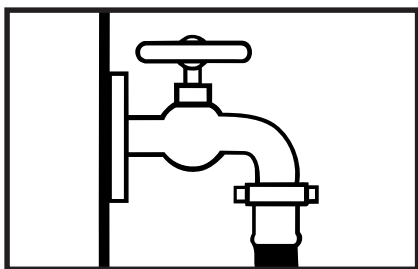
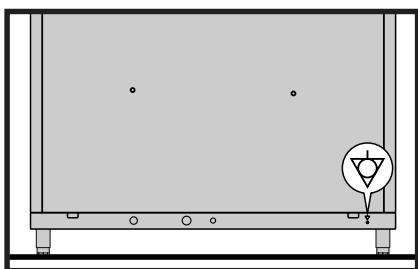
## 2.1 Electrical connection



**Must be carried out by an authorized technician according to the local and national codes.**

- The electrical supply shall comply with the name-plate data.  
*With voltage 400/50/3/N reduced booster loading can be realised according to wiring diagram.*
- Line fuses and cable cross section shall comply with the requirements.
- A cut-off device shall be provided to connect the supply cord (isolating switch or accessible plug device).

According to EN 60 335 the appliance must be connected to an equipotential conductor. The connecting screw (⚡) is located at the back side of the machine.



## 2.2 Water connection



**Must be carried out by an authorized technician according to the national and local codes.**

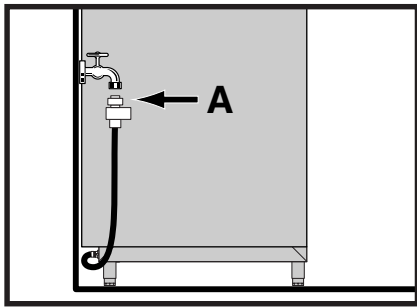
**The machine must be operated with water of drinking quality. For water with an extremely high mineral content, water treatment is recommended.**

### Machines without softener

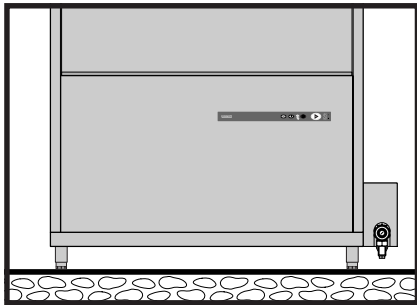
- Connect to soft and if possible warm water (up to 4° Clark = 0.5 mmol/l, **max. 60°C**).
- Line flow pressure 0.5 – 10 bar.  
**Important:** the line flow pressure must not be less than 0.5 bar.
- **If the line flow pressure is above 10 bars: provide pressure reducer at source.**

### Machines with softener

- Connect to warm water (**max. 60°C**) if possible.
- Line flow pressure 0.5 – 10 bar.  
**Important:** the line flow pressure must not be less than 0.5 bar.
- **If the line flow pressure is above 10 bar: provide pressure reducer at source.**



- Connect the union nut "A" ( $\frac{3}{4}$ " ) of the water supply hose with the site shut off valve.
- Do **not** kink or **cut** the supply hose.  
Eventually needed extension has to be provided with a suitable pressure hose.



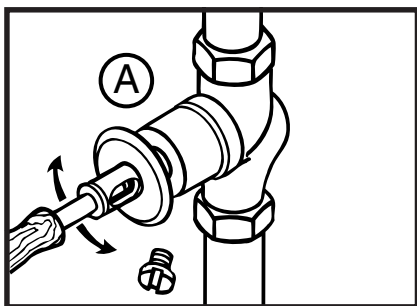
## 2.3

### Steam connection (steam heated machines only)



**Must be carried out by an authorized technician according to the national and local codes.**

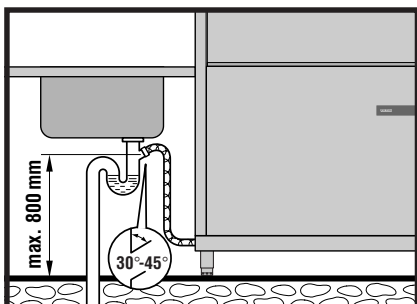
- Connection to steam supply (DN 20) at customer site, 0.5 - 3.5 bar (max. 150°C) at the machine. **See data plate !**
- Dimension of steam and condensate piping has to be according to the requirements.
- The machine is equipped with all necessary fittings.
- Make sure that permissible pressures and temperatures will not be exceeded.
- All pipework has to be insulated with water and heat resistant material.



## 2.4

### Adjustment of shut-off valve with flow reducer for steam supply

- The built-in shut-off valve is equipped with an adjustment device (A) to limit the heating supply medium.  
A special tool is necessary for adjusting the valve-seat.
- The correct adjustment is very important particularly for higher pressure, and therefore **must be done by a HOBART trained service man** at first installation or after any changes are done at the customer site.
- The adjustment is correct if the heating-up time of the boiler is as long as the shortest wash cycle, while the valve is opened to maximum.
- If adjusted too far open pressure shocks may occur when the solenoid valve closes. This could cause damage at the installation.  
If adjusted too far close the required heating-power cannot be achieved.



## 2.5

### Drain connection

- Connection between machine and site drain must not exceed max. height of 800 mm.
- Do not place the drain hose loosely on the floor (the hose could be rubbed through). Fix it at site!
- Do not kink the drain hose.

### 3

## Connecting of detergent pump

If no detergent pump was ordered, please connect the detergent dispenser as described below.

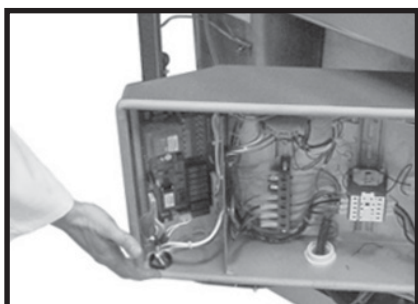


**Must be carried out by an authorized technician according to the local and national codes.**

- Tank must be drained.
- **Switch off main switch or unplug.**
- Remove front panel.

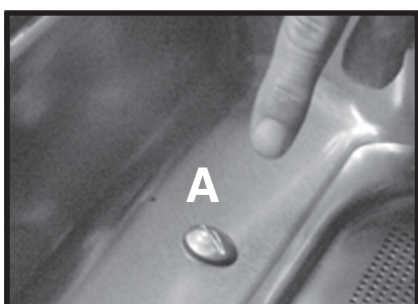


- Lift up control box and turn it to front.

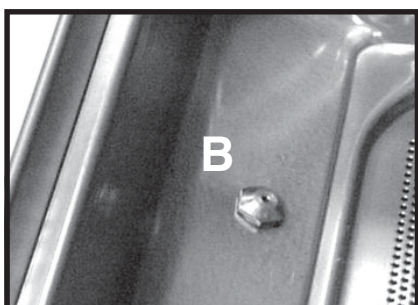


### TO CONNECT A LIQUID DETERGENT DISPENSER:

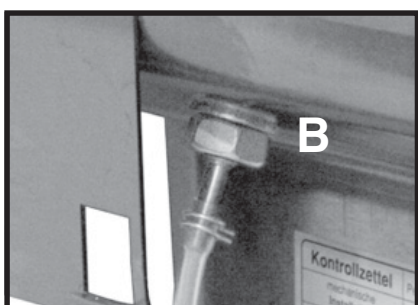
- Remove blanking plug (**A**).

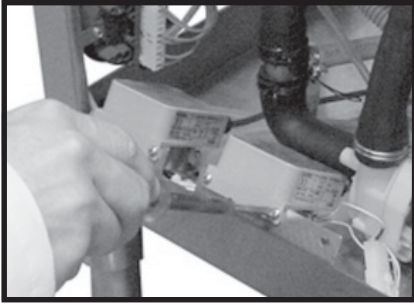


- Install detergent inlet fitting + gasket (**B**).



- Connect a hose (PVC / 6mm outside Ø x 4mm inside Ø) between outlet of the detergent pump and the detergent inlet (**B**) of the wash tank. Tighten with hose clamp.



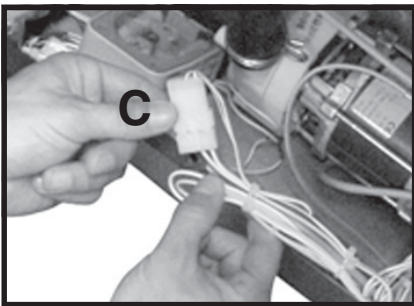


- Install dosage pump or fit external dispenser.



#### TO CONNECT A POWDER OR SOLID DETERGENT DISPENSER:

- Remove the rear panel.
- Drill a hole through the inner tank wall appropriate to the required connection diameter (see fig.).
- Screw up tightly the dosing connection with tank wall.

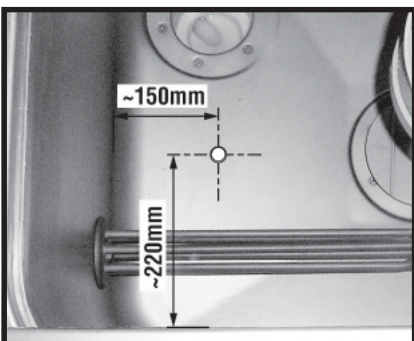


- Connect the plug (**C**) of the wire harness with the dosage pump (max. 100 VA).



- Close control box and put panel(s) back into place. Switch on main switch at site or put the plug in.

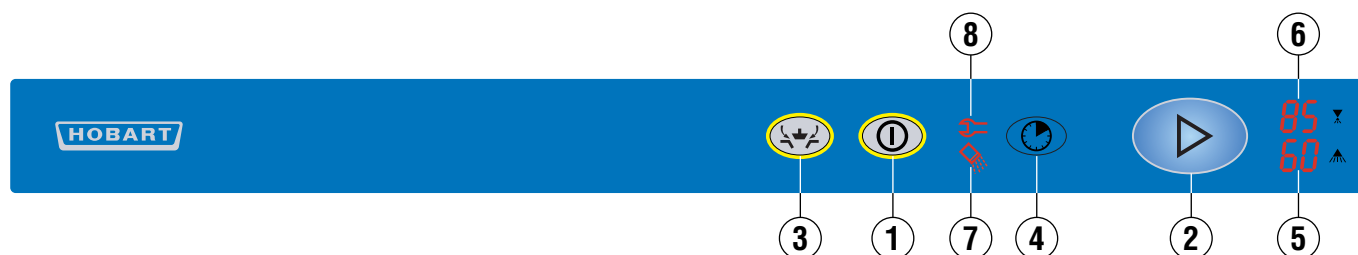
Dispenser adjustment see **chapter 6.1**.



#### CONDUCTIVITY PROBE:

- Conductivity probe should be installed at the flat part of tank bottom (see fig.).
- The hole size should be appropriate to the conductivity probe.

## 4 Controls



- ① Machine **ON / OFF**  
(illuminates during operation)

By pushing this button the machine will be switched on. In case of emergency (e.g. faults), it is possible to switch off the machine immediately without drain cycle, by pushing this button again.

**After switch off, the machine is not voltage free!**

- ② **Start** button

By pushing this button the wash cycle will be started. Furthermore the button illuminates to indicate the mode of the machine:

**RED** = machine fills and starts heating

**GREEN** = machine is ready for operation

**BLUE** = selected program is running

### **Only for machines with pole switchable wash pump (Option)**

High pressure mode for a running cycle will be activated by short pushing the blue illuminated **Start** button (not possible within the first 5 seconds after cycle start).

By pushing and holding (3 sec.) the **Start** button, high pressure mode will be activated permanently.

- ③ **Drain** button  
(illuminates during operation)

By pushing and holding (2 sec.) this button, the drain and self cleaning cycle starts. At the end of the cycle, the machine switches off automatically.

**After switch off, the machine is not voltage free!**

- ④ **Program** button

By pushing this button, it is possible to select between different pre-set programs, according to the model and equipment. The program no. (e.g. **P02**) appears at the rinse temperature indicator ⑥.

- ⑤ Temperature indicator **Wash** (°C)

Indicates only on demand (see **chapter 8**).

- ⑥ Temperature indicator **Rinse** (°C)

Indicates only on demand (see **chapter 8**).

- ⑦ **Salt** required

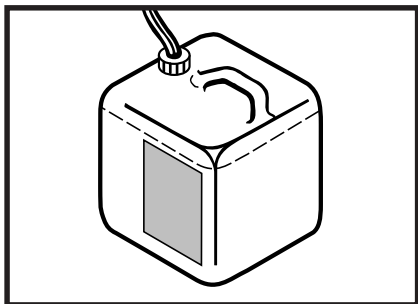
Indicating the need for regeneration salt to be added. (Only with built-in softener.)

- ⑧ **Service** indicator

Indicating, that the machine has a fault.



## 5 First run



### 5.1 Rinse agent

- Place the suction hose (**blue**) into the rinse agent container.

### 5.2 Detergent (only on option)

**Do not use any acid detergent products with the optional built-in detergent pump! (The ph-value has to be higher than 7.)**

- Place the suction hose (**clear**) into the detergent container.



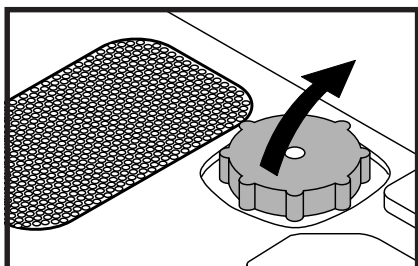
**The sucking high of dosing pumps is max. 1.5 meters.  
Do not confuse the containers !**

**As high pressure and high circulation is needed for the cleaning of utensils, use only commercial low foaming detergent and rinse agent.**

**Please pay attention to the manufacturers safety rules and instructions.**

### 5.3 Softener (only on option)

**The machine will be delivered without salt. For the first run, the softener has to be filled with salt and water.**



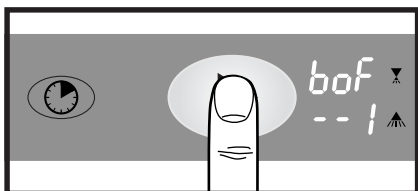
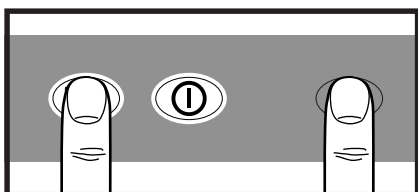
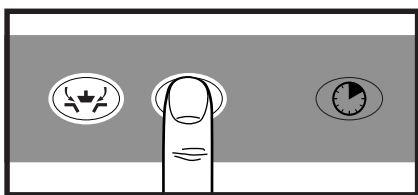
- Open the door.
- Unscrew the softener lid and fill the softener with 2 kg of "Granular salt" (do not use salt tablets).
- Fill up the softener with drinking water.

**Clean seal and rim of softener lid carefully, before closing the lid.**

- Close lid and tighten.

### 5.4 Filling of the rinse booster heater and pre-dosing

- Close the door.
- **Open shut-off valve.**
- **Switch on main switch or put the plug in.**
- Push the **ON/OFF** button ①, the button illuminates. At the temperature indicator **Rinse** ⑥ appears "**boF**" and flashes. The rinse booster heater has to be filled as described in the following text.
- Push the **ON/OFF** button ① again, to switch off the machine.

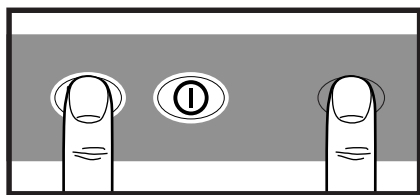


- Open the door, push **Program** button ④ and **Drain** button ③ simultaneously until at the temperature indicator **Rinse** ⑥ appears again "**boF**".
- Push **Start** button ②. At the temperature indicator **Wash** ⑤ appears "- - 1". Wait until the indicator displays "- - 0".
- Close the door. The machine switches off and is now ready for operation.

## 6 Settings



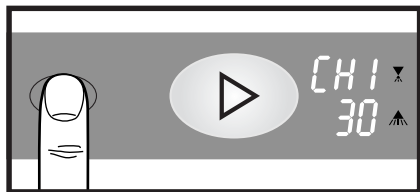
**Attention:**  
machine has to be switched off.



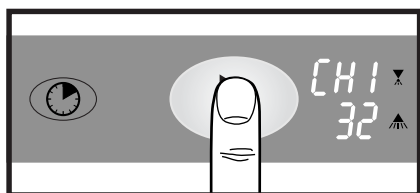
- Open door, push **Program** button ④ and **Drain** button ③ simultaneously until at the temperature indicator **Rinse** ⑥ "boF" appears.  
**If no button is pressed during next 10 secs., the indicator switches off and the new settings will be saved.**

### 6.1 Adjustment of detergent dosage quantity

(delivery values are only valid with built-in HOBART dispenser)

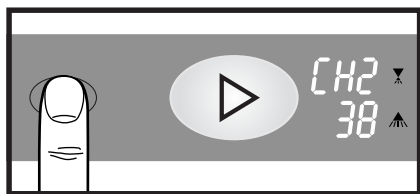


- Push **Program** button ④ again.  
The temperature indicator **Rinse** ⑥ displays:  
"CH1" = adjustment of the **detergent dosage quantity**.  
The temperature indicator **Wash** ⑤ displays e.g.:  
"30" = pre-adjusted value of the detergent dosage time = 30 sec. ≈ 2,3 g/l.

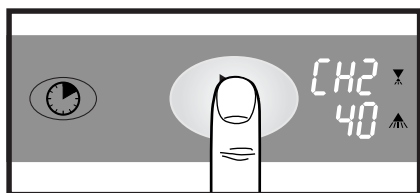


- To adjust the detergent dosage time, push **Start** button ② repeatedly, until the desired value (0-50 sec. ≈ 0-3,8 g/l) appears at the **Wash** indicator ⑤.  
(Adjustment should be done in accordance with chemical suppliers recommendations.)

### 6.2 Adjustment of rinse agent dosage quantity



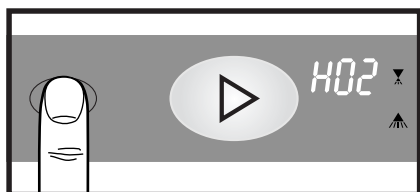
- Push **Program** button ④ again.  
The temperature indicator **Rinse** ⑥ displays:  
"CH2" = adjustment of the **rinse agent dosage quantity**.  
The temperature indicator **Wash** ⑤ displays e.g.:  
"38" = pre-adjusted value of the rinse agent dosage time = 38 sec. ≈ 0,4 g/l.



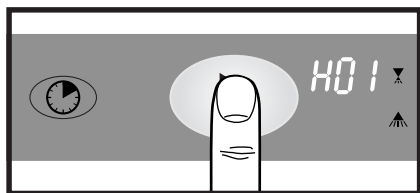
- To adjust the rinse agent dosage time, push **Start** button ② repeatedly, until the desired value (0-50 sec. ≈ 0-0,5 g/l) appears at the **Wash** indicator ⑤.  
(Adjustment should be done in accordance with chemical suppliers recommendations.)

### 6.3 Adjustment of water hardness (with optional softener only)

To adjust the softener to the local water hardness (obtain details from local water authority):



- Push **Program** button ④ again.  
The temperature indicator **Rinse** ⑥ displays:  
"H02" = adjustment of the **softener** (if built in).



- Push **Start** button ② repeatedly, until the required value (H01 - H03) appears at the temperature indicator **Rinse** ⑥.  
**H01 = up to 10° eh / H02 = 11 to 20° eh / H03 = 21 to 30° eh water hardness** (eh = Clark).

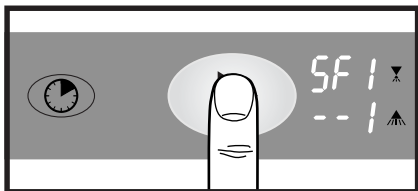
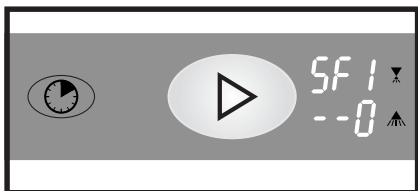
## 6.4 Priming of suction hose detergent

(only with built in detergent pump)

To prime the detergent suction hose between the injector and container:

- Close door.  
The temperature indicator **Rinse** ⑥ displays:  
"SF1" = Priming of **detergent** suction hose.

- Push and hold **Start** button ② for **1 minute** approx.

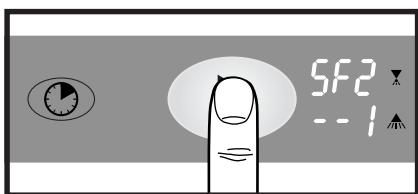
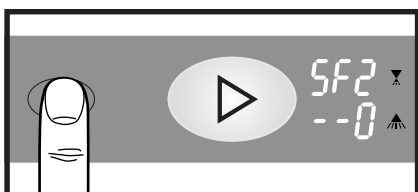


## 6.5 Priming of suction hose rinse agent

To prime the rinse agent suction hose between the injector and container:

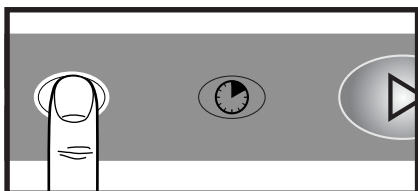
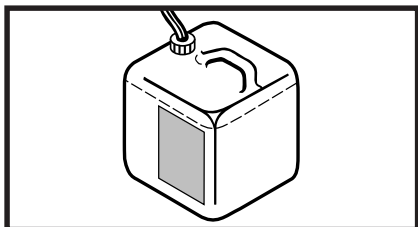
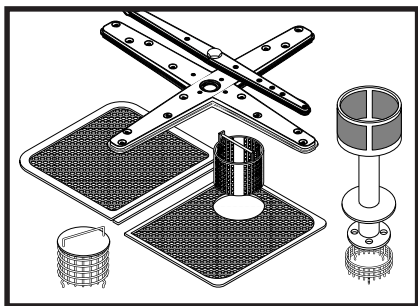
- Push **Program** button ④ again.  
The temperature indicator **Rinse** ⑥ displays:  
"SF2" = Priming of **rinse agent** suction hose.

- Push and hold **Start** button ② for **3 minutes** approx.  
By using external container with a longer suction hose, hold the **Start** button ② about **6 minutes**.



## 7 Operation

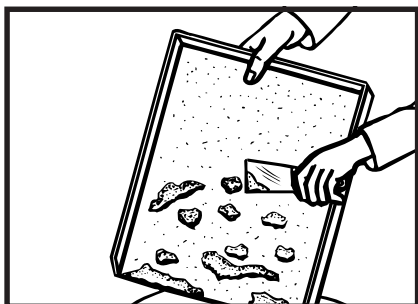
### 7.1 Preparation



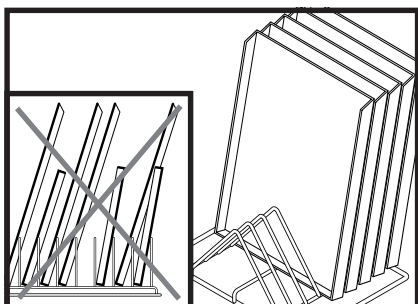
- Check correct position of wash / rinse arms and strainers.
- **Open shut-off valve, switch on main switch or put the plug in.**

- Check level of detergent and rinse agent containers.

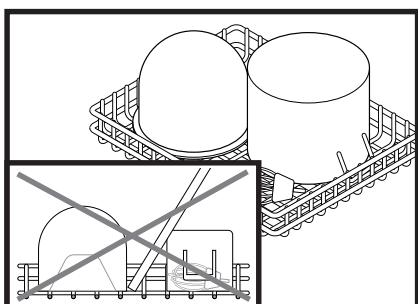
- Close door and push the **ON** button ①, tank will be filled.  
The **Start** button ② illuminates **red** during fill and heating cycle. The filling time depends on the water feed temperature and can take up to approx. 45 minutes (machines with built in softener, adjusted to water hardness H02 or H03 need approx. 65 minutes).  
When the **Start** button changes to **green** light, machine is ready for operation.



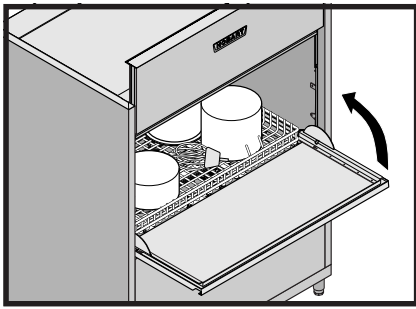
- Remove coarse food soil.  
**Avoid soiling by foam producing substances (albumins etc.).**



- Insert sheets into the frame.

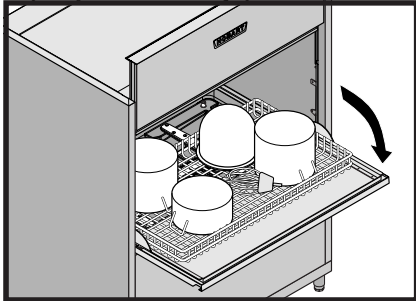


- Put pots and pans facing downwards into the racks.
- **Protect light washware by putting on a rack.**

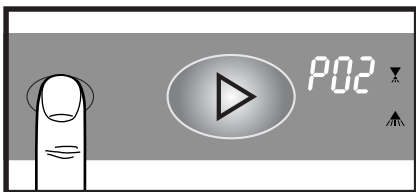


## 7.2 Run

- Put rack into the machine and close door.
- Push the **Start** button ②. During the wash cycle is running, the **Start** button illuminates **blue**.
- As soon as the **Start** button changes to **green** light, the wash cycle is finished.



- Open door and take out rack.  
Allow washware to dry for 1 minute approx.



### – Select program:

The machine is operating automatically with standard cycle time. If needed, it is possible to select a shorter or longer program.

To show the present program, push **Program** button ④ before starting the wash cycle. To change the program, push **Program** button again.

**P 01** = Short cycle (for light / medium soiled washware)

**P 02** = Standard cycle (for medium / heavy soiled washware)

**P 03** = Long cycle (for dried on soiling and containers)

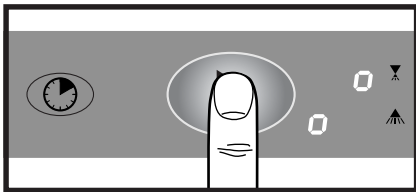
**P 04** = Endless cycle

An endless cycle will be indicated by moving light points at the temperature indicators.

To stop the wash cycle, push **Start** button ②.

(After 20 minutes the machine will stop automatically.)

After a short break, rinse starts automatically.



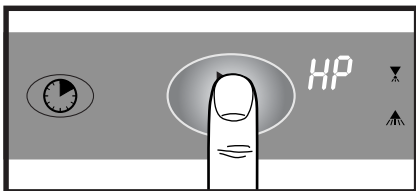
The machine continues with the chosen cycle time until switch off.

### Only for machines with pole switchable wash pump (Option)

High pressure mode for a running cycle will be activated by short pushing the blue illuminated **Start** button (not possible within the first 5 seconds after cycle start).

By **pushing and holding** (3 sec.) the **Start** button, high pressure mode will be activated permanently until the program will be changed or the machine is switched off.

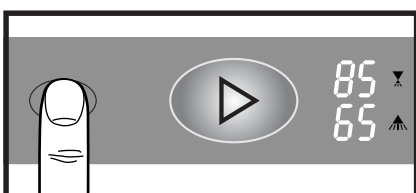
At the temperature indicator **Rinse** appears "HP".



## 8 Preview of temperatures

- Press and hold (3 sec.) **Program** button ④ until the indicators **Wash** ⑤ and **Rinse** ⑥ show the actual temperatures (°C).  
The indicators go out 10 sec. after releasing **Program** button.

Permanent temperature display can be activated on request by the service technician.



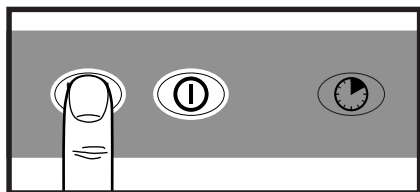
## 9 Switch-off and cleaning the machine



### ATTENTION !

Do not stand on the open front door of the machine.

### 9.1 Switch-off

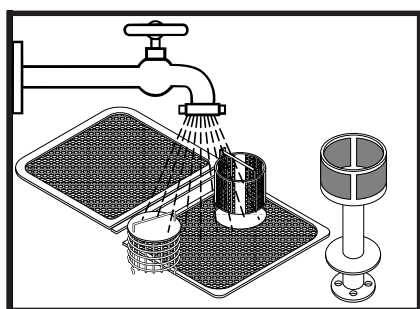


- Close door, push and hold **Drain-button** ③ for **2 secs.**

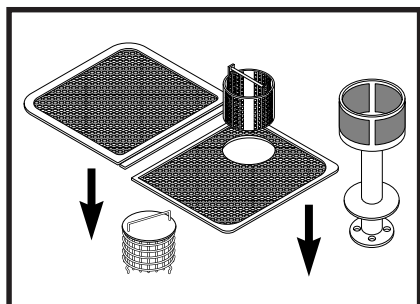
**NOTE:** During the drain cycle, the interior of the machine is cleaned automatically. A final inspection is recommended to remove coarse soil.

- When **Drain-button** goes off, **switch off main switch or unplug and close shut off valve at site!**

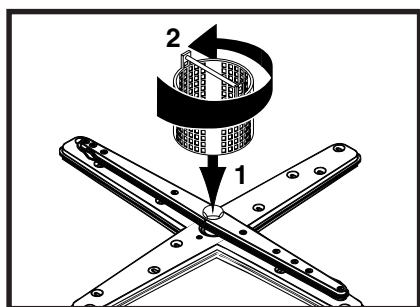
### 9.2 Cleaning (daily)



- Open the door.
- Take out strainers and flush.
- Clean interior of the machine.



- Put strainers back into place.
- Leave door open for ventilation.



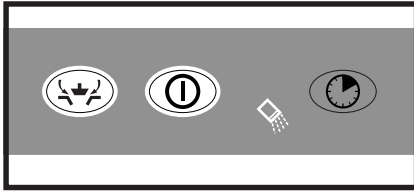
### 9.3 Cleaning (weekly)

- Take out wash and rinse arms.  
Use the strainer as a spanner to loosen the hexagon screw (1) by turning it counter-clockwise (2).
- Open plugs of wash and rinse arms and flush.
- **Put all parts back into place.**

## 10 Refilling the softener with salt

Only for machines with optional built-in softener.

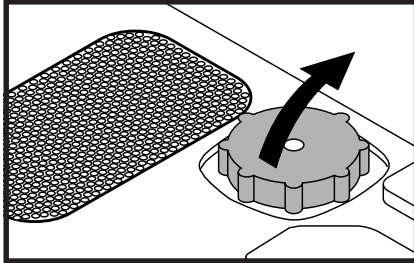
- When the **Salt** required ⑦ indicator illuminates, the softener has to be filled with regeneration salt.
- Wait until the wash program is finished.
- Open the door.



- Unscrew the softener lid and fill the softener with **2 kg** of "Granular salt" (do not use salt tablets).

**Clean seal and rim of softener lid carefully, before closing the lid.**

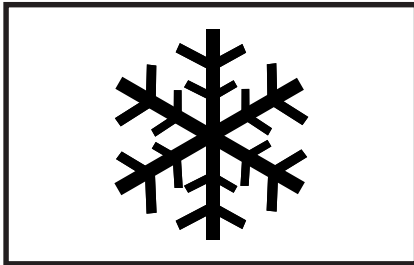
- Close lid and tighten.  
The **Salt** required indicator ⑦ goes off with delay.



## 11 Frost prevention

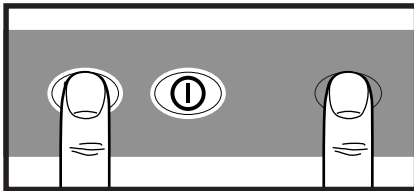
In case of frost or longer operation pauses (e.g. for seasonal operations) the machine must be completely drained.

This should be carried out by **after sales service**.



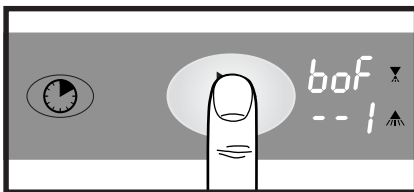
**Reset for operation:**

- Open the door, push **Program** button ④ and **Drain** button ③ simultaneously until at the temperature indicator **Rinse** ⑥ "boF" appears.



- **Push Start** button ② (at the temperature indicator **Wash** ⑤ appears "- - 1") **and hold** until water come out of booster overflow.

- Close the door.  
The machine switches off and is now ready for operation.

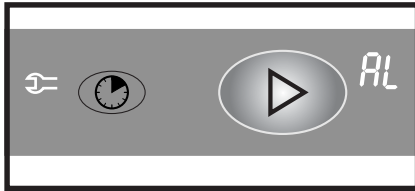


## 12 Maintenance

For trouble free operation we recommend you enter into a service contract with your local Service Office.



## 13 Faults



The **Service** indicator ⑧ illuminates and the temperature indicator **Rinse** ⑥ displays a code: e.g. "AL" = drain fault.

**Possible types of fault as follows (please report the code of fault to the service technician):**

CODE	POSSIBLE CAUSE	MEASURES
FIL	Shut-off valve is closed.	Open shut-off valve at site and switch on machine again.
	Fill valve or fill system defective.	Call the after sales service.
FIL +	Exceeded fill time.	Call the after sales service.
AL	Drain hose blocked.	Clean drain hose and restart drain cycle.
	Drain system defective.	Call the after sales service.
UL	Drain hose blocked.	Clean drain hose and restart drain cycle.
	Fill system or drain system defective.	Call the after sales service.
F01	Temperature probe "rinse booster" defective.	Call the after sales service.
F02	Temperature probe "tank" defective.	Call the after sales service.
HEI	Rinse booster heating defective.	Maybe restricted operation possible – call the after sales service.

## 14 Trouble shooting guide

TYPE OF FAILURE	POSSIBLE CAUSE	REMEDY
<b>Poor wash result</b>		
Washware is not clean.	Wash arms stiff (you should be able to turn them easily by hand).	Take out wash arms and clean them thoroughly. Check water outlet from machine to wash arms is clear.
	Wash arm nozzles are clogged (visual check).	Take out wash arm, remove cleaning cap and rinse wash arm thoroughly until soil is removed. Replace correctly.
	Rinse arm nozzles are clogged (possibly by lime deposit).	Remove rinse arms and decalcify them in separate container.
	Detergent concentration is too low or too high.	Check setting of detergent concentration See also operating instructions point 6.
	Coarse strainer soiled.	Take out strainer, empty and clean it.
	Fine strainer soiled or obstructed by lime.	Take out fine strainer. If heavily soiled soak in a vinegar solution. Then clean it thoroughly until the pores are free. Cleaning is to be done daily (see operating instructions).
	Wrong programme selected for heavily soiled washware.	Select programme with longer wash cycle.



TYPE OF FAILURE	POSSIBLE CAUSE	REMEDY
<b>Poor wash result</b>		
Washware does not dry properly.	Rinse aid concentration too low.	Increase concentration (see operating instructions).
	Washware still greasy.	1. Detergent concentration too low: increase (see instructions). 2. Check if detergent is appropriate. If not choose a stronger one. 3. Drain soiled water and refill machine. Check pre-scrapping procedure.
	Washware stays too long in the machine at the end of programme.	Take out washware as soon as cycle is completed to enable them to dry.
Stripes and stains on washware.	Rinse aid concentration too high.	Reduce quantity (see instructions).
	Hard water or high mineral content.	Check water quality. Obtain details from local water authority. Recommended values: Ideal degree of hardness is 4° Clark. Ideal conductivity value for washware made of stainless steel max. 80 µS/cm and for dishes max. 400 µS/cm.
	Insufficient rinse aid concentration causes stains.	Increase quantity (see instructions).
	<b>Machine with softener:</b> wrong type of salt used.	Use only granular salt.
<b>Trouble with foam</b>		
Machine gets much louder during wash cycle.	Foam production above average caused by unsuitable detergent and rinse agent.	Use suitable detergent and rinse agent.
	Foam production above average caused by contact of foam producing substances (albumins etc.).	Pre-clean washware.
<b>Other malfunctions</b>		
Machine suddenly stops during wash programme.	Machine is connected to a "maximum power supply unit" which cuts out the energy consumer at a given point, or machine is interlocked with another energy consumer unit.	Connect machine separately (call electrician).
	Blown site fuse.	Check site fuses.

If no button will be pressed during **6** hours, the machine switches off automatically without draining. Follow the description below during the next switch on:

- Push the **ON/OFF**-button ①.
- Push the **Drain**-button ③ and wait, until the machine is drained and switched off.

Restart the machine as described at chapter **7**.

As continued product improvement is a policy of HOBART, specifications are subject to change without notice.