

Warewashing



Utensil washer UX/UCT, UP/UPT

UX-10A	UCT-10A
UX-80A	UCT-80A
UX-81A	UCT-81A
UXS-10A	UCTB-10A
UXSB-10A	UP-10A
UXSBäko-10A	UPT-10A

Installation and Operation Manual

(Original Operation Manual)

EN

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1 Notes on the documentation

1.1 Application

This document contains the most important information for the installation and commissioning of the machine by qualified personnel, as well as the information required for day-to-day operation by the operator.

- ▶ Keep the operation manual and all referenced documents in a safe and accessible place.
- ▶ Store the operation manual in a suitable container protected from humidity and dirt deposits.
- ▶ If you sell the machine, pass on the installation and operation manual.

1.2 Layout of the documentation

Referenced documents are all instructions that describe the installation, operation, maintenance and repair of the device, as well as additional instructions for all accessories used.

For the operator:

- Comic Card (brief instructions)
- Operating instructions

For the specialised tradesman:

- Installation instructions
- Service Manual
- Service Software Manual
- Trouble shooting list
- Circuit diagram
- Spare parts catalogue

1.3 Representation convention

1.3.1 Symbols used

Symbol	Meaning
	Warning of hazardous electrical voltage
	Beware of explosion
	Warning of risk of crushing
	Beware of hazardous substances
	Beware of hand injuries
	Beware of slipping

Symbol	Meaning
	Beware of hazard area
	Useful additional information and tips

1.3.2 Representation in the text

Representation	Meaning
NOTE	Important information on machine operation, not a warning notice
►	Step
↳	Outcome/result
–	Listing 1st level
•	Listing 2nd level

2 Safety instructions and regulations

2.1 Safety instructions and warning notices

- During machine operation, observe the general safety instructions and warning notices that precede each action.

2.1.1 Hazard levels

The hazard level is part of the safety instructions and is denoted by the signal word.

Potential consequences are differentiated by the choice of signal word.

	imminent danger: results in serious physical injury or death
	potentially hazardous situation: can cause serious physical injury or death
	potentially hazardous situation: can cause minor physical injury
	potentially harmful situation: can cause damage to the product or other objects

2.1.2 Layout of warning notices

Warning notices are depicted with warning symbols and signal word in the corresponding safety colours.



⚠ CAUTION!

Nature and source of the hazard

Explanation on the nature and source of the hazard

- ▶ Measures for averting the hazard
- ▶ additional measures for averting the hazard, where applicable

2.2

Basic safety instructions

2.2.1

Product safety

The machine conforms to state-of-the-art technology and the recognised safety regulations. Nonetheless, hazards may occur.

Operate the machine only in compliance with the operation manual.

All modifications and alterations to the product are reserved for persons authorised by HOBART.

2.2.2

Personnel qualification

- ▶ Observe the regulations on occupational health and safety. Wear personal protective equipment.
- ▶ Carefully read through the Installation and Operation Manual before use.

Activity	User group	Qualification/training
Installation	Qualified personnel	Hobart Service or an electrically qualified person trained by Hobart or a competent person acc. to the German technical regulations for occupational safety (TRBS 1203) trained by Hobart
	Trainees	Only under professional supervision and examination
Commissioning	Qualified personnel	Hobart Service or an electrically qualified person trained by Hobart or a competent person acc. to the German technical regulations for occupational safety (TRBS 1203) trained by Hobart
	Trainees	Only under professional supervision and examination
Work on electrical system	Qualified personnel	Hobart Service or an electrically qualified person trained by Hobart or a competent person acc. to the German technical regulations for occupational safety (TRBS 1203) trained by Hobart
Work on refrigeration systems	Qualified personnel	Category 1 expert certified in accordance with: - Ordinance (EU) No. 517/2014 Article 10 - Implementing regulation (EU) 2015/2067 - German Chemicals Climate Protection Ordinance §5
Operation	Operating personnel and persons over the age of 14	Only under supervision and after instruction by the operator on the basis of the Operation Manual, instructions on dangers
	Handicapped individuals	The suitability must be assessed by the operator on an individual basis
	Persons up to the age of 13	Persons up to the age of 13 are not suited for machine operation
Maintenance, repair	Qualified personnel	Hobart Service or an electrically qualified person trained by Hobart or a competent person acc. to the German technical regulations for occupational safety (TRBS 1203) trained by Hobart

Activity	User group	Qualification/training
	Trainees	Only under professional supervision and examination

2.2.3 Product-specific hazards

Quetsch- oder Stossgefahr für Körperteile vermeiden:

- ▶ Bei der Lagerung, beim Anheben oder Transportieren auf die Hinweise auf der Verpackung achten.
- ▶ Die Schiebetür muss während des Umbaus vor dem Herabfallen gesichert sein.

Avoid risk of explosion:

- ▶ Do not install machine in a potentially-explosive location.

Avoid electric shock, fire risk:

- ▶ Do not allow water to flow under live components.
 - Make sure the machine is correctly stored (see frost damage section 2.3).
 - Make sure that the machine does not overflow when being filled.
- ▶ Do not damage the connection cable while unpacking.
- ▶ Have the machine connected to the power supply by qualified personnel.
- ▶ Have all modifications to the machine carried out by qualified personnel.
- ▶ Have additional feed tanks mounted by qualified personnel.
- ▶ Do not operate the machine unsupervised.

Avoid chemical burns, sensitisation of the skin, poisoning:

- ▶ Wear protective equipment (gloves, safety goggles, protective clothing) when handling chemicals.
- ▶ Use only suitable chemicals. Observe the manufacturer's data.
- ▶ Have chemical sensor system set by authorised trained service technicians.
- ▶ Do not open the machine during operation, wait for the program to finish.
- ▶ Disconnect the machine from the mains prior to cleaning.
- ▶ For cleaning, wear protective equipment (gloves, safety goggles, protective clothing) when touching parts contaminated by detergent.

Avoid burns, scalds (to the hands):

- ▶ Do not open the machine during operation or the evaporation phase, wait for the programme to finish. Otherwise, hot water could spray out.
- ▶ Disconnect the machine from the mains prior to cleaning.

Avoid slipping:

Moisture can build up on the floor around the machine.

- ▶ Provide a floor covering that does not pose a risk of slipping when wet.

2.2.4 Additional hazards

Potential hazards caused by operating resources to be used can be found in the enclosed safety datasheets. Workplaces must be signed accordingly.

2.3 Property damage

Avoid frost damage:

Temperatures below 0°C lead to functional damage.

- ▶ Before storing below 0°C, empty residual water in hoses, tank and boiler.
- ▶ Prior to restart, store the machine at room temperature (min. 15°C) for 24h.

UX/UXT, UP/UPT

Product description

Avoid water damage:

- ▶ Do not operate the machine without supervision.
- ▶ Close on-site shut-off valves at the end of operation.

3 Product description

3.1 Intended purpose

The machine is an item of technical equipment intended solely for commercial dishwashing.

The machine is designed solely for cleaning crockery (porcelain, glass, ceramic, temperature-resistant plastics or stainless steel or similar) from the food industry.

Not for washing:

- Containers that do not come into contact with foodstuffs, such as ashtrays, electric appliances etc.
- Animals or textiles
- Foodstuffs intended for further consumption

3.2 Designation

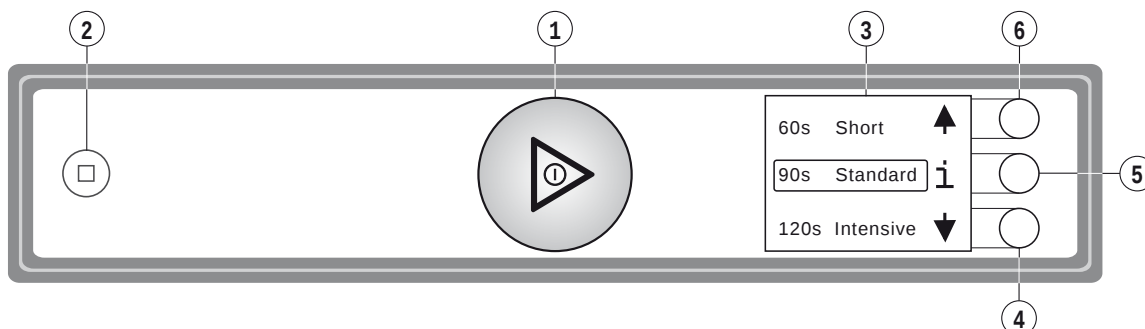
The rating plate is located on the front of the machine. If you have any questions regarding service and parts, quote the serial and DSN No.

3.3 Technical specifications

	UX	UXT	UP	UPT
Dimensionen (H x B x T)	1.984 x 780 x 945 mm	1.984 x 1.375 x 945 mm	1.984 x 840 x 945 mm	1.984 x 1.435 x 945 mm
Wasserverbrauch pro Spülkorb (abhängig vom Schmutzeintrag)	4,5 bis 7,6 l	8 bis 10,5 l	8 bis 10,5 l	14 bis 16,6
Flow pressure	0.5 – 10 bar min. 0.8 bar with integrated softener	0.5 – 10 bar	0.5 – 10 bar	0.5 – 10 bar
Cold or hot water connection	max. 60°C			
Voltage	see rating plate			
Total loading				
Fuse protection				
Tankinhalt	80 l	130 l	80 l	130 l
Einschubhöhe	860 mm			
Emissions-Schalldruckpegel L_{pA} (Messunsicherheit $K_{pA} = 2,5$ dB)	60 dB (A)	70 dB (A)	66 dB (A)	70 dB (A)
Gewicht	212 kg	295 kg	212 kg	295 kg

4 Controls

4.1 Controls

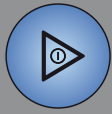


①	ON/OFF key	Pressing this button switches the machine on. As soon as the machine is ready for operation, the wash programme can be started by pushing this button. Pushing and holding (3 seconds) the button activates the automatic drain and self-cleaning cycle and switches off the machine automatically. After switch off, however, the machine is not voltage free! The button also shows the current operating state through different colours (see sections 4.2 and 4.3)
②	STOP key	In case of operating error or faults, the machine can be switched off immediately without prior pump out by pressing this key. After switch off, however, the machine is not voltage free!
③	Display	Selection menu / fault and information displays
④	Display navigation button	Scroll / set / select
⑤	Display navigation button	Change menu level / confirm / back/acknowledge fault
⑥	Display navigation button	Scroll / set / select

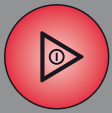
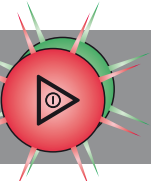
4.2 Operating states

In the operating panel display, the ON/OFF switch shows the current operating state through different colours.

	Machine is off The ON/OFF button is colourless.
	Machine being prepared for operation The ON/OFF button gradually goes green. The wash tank is being filled and the machine is heating up.
	Machine ready – The ON/OFF button illuminates completely green. – The machine is ready for the next rinse cycle.

	Rinse program starts – The ON/OFF button illuminates completely blue.
	Machine is washing – The ON/OFF button changes segment-by-segment from blue back to completely green.
	Switch off machine – The ON/OFF button changes segment-by-segment from green to colourless. – The machine is being drained and switched off.

4.3 Display of faults and information

	Fault: Operation not possible – The ON/OFF button illuminates permanently red. – The fault is displayed. – For potential faults, see section 9.1
	Information: limited operation is possible – The ON/OFF button illuminates green/red alternately. – The message is displayed. – 9.1For potential messages, see section

4.4 Display function

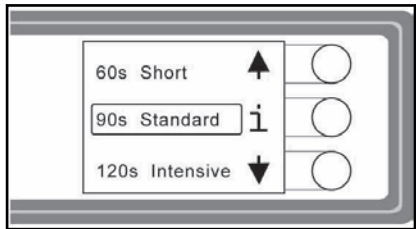
The display is activated (when the machine is turned on) by pushing the display navigation buttons or moving your hand near to the display.

On activation, the wash program selection appears first. The selected program or function is highlighted.

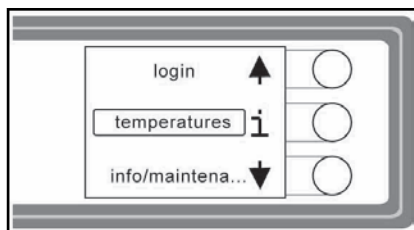
The function of the display navigation buttons is context-dependent and shown in the display by symbols.

Further displays/menu levels can be selected using the button. If no button is pushed, the display de-activates again after 10s.

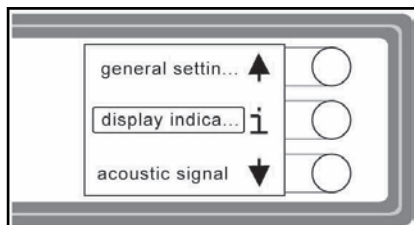
4.5 Overview of main menus



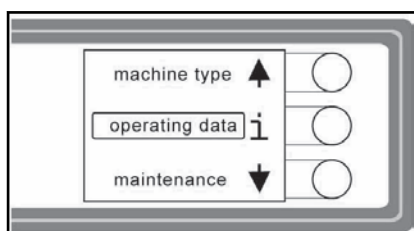
- Programme selection and info:**
- Selection of possible wash programmes (different depending on the model version)
 - Button ("i") accesses the **Login/Temperatures/Info** menu

**Login/Temperatures/Info:**

- Login: Operator code accesses **Operator menu**
- Temperatures: Displays tank and rinse temperatures.
- Info/service: Accesses the **Info/Service menu**

**Operator menu:**

- General settings: Accesses the machine settings
- Display indications: Accesses display settings
- Acoustic signal: Accesses the signal sensor setting
- ... see also section 8.1.

**Info/Service:**

- Machine type: Indicates machine type and serial number.
- Operating data: Displays operating data (see section 8.11).
- Service: Displays service address.

4.6 Overview of display symbols

4.6.1 Wash cycle symbols

As an alternative to the text display, it is possible to switch to the symbol display (see section 8.6).

Icon	Programme
	Short
	Standard
	Intensive (UX/UXT only)
	Duration
	Hygiene

4.6.2 Function symbols

Icon	Function
 	Scroll menu
	Accept value
 	Change value

Icon	Function
	Info/service
	Login
	Back
	Temperatures
	Wash/rinse temperatures
	Sound on / sound off
	Timer
	Salt deficiency
	Chemical deficiency
	Error
	Filling fault
	Processing fault
	Heating element fault

5

Installation

5.1

Personnel qualification

Installation must only be carried out by qualified personnel (see section 2.2.2).

5.2 Special safety instructions

WARNING!



Risk of electric shock, fire hazard

Water (frost damage, machine overflow) flowing over live components can cause injury from electric shock or fire.

- ▶ Do not allow water to flow under live components.
- ▶ Make sure the machine is correctly stored (see frost damage section 2.3).
- ▶ Make sure that the machine does not overflow when being filled.

CAUTION!



Risk of being crushed or knocked

When being lifted or transported, the machine can overturn or fall and cause injury.

- ▶ Observe the instructions on the packaging for storage, lifting or transporting.

WARNING!



Risk of explosion

Installing the machine in a potentially explosive location can cause explosion and serious injury from ejected parts.

- ▶ Do not install machine in a potentially-explosive location.

NOTICE!

Frost damage

Temperatures below 0°C during transport/storage cause function impairments.

- ▶ Prior to installation, store the machine at room temperature (min. 15°C) for 24h.

5.3 Transporting to the installation location

- ▶ If possible, transport the machine in its packaging and on the pallet.
- ▶ Use suitable transport means (elevating truck, crane etc.).
- ▶ If using a forklift, shim the machine with wooden trusses.

5.4 Removing the packaging

CAUTION!



Risk of electric shock, fire hazard

When the machine is unpacked, the connection cable can become damaged and cause injury from electric shock or fire.

- ▶ Do not damage the connection cable while unpacking the machine.
- ▶ Take cable measurement DGUV V3.

- ▶ Remove packaging materials and accessories from the machine.
- ▶ Inspect the machine for possible transport damage.

UX/UXT, UP/UPT

Installation

5.5 Installing the machine

Rückseitiger Wandabstand ist nicht erforderlich.

- ▶ Wandabstand von 400 mm auf mindestens einer Seite der Maschine einhalten.
- ▶ Maschine durch Drehen der Verstellfüße nach der Wasserwaage ausrichten.

5.6 Türöffnungshöhe reduzieren

CAUTION!



Risk of being crushed

The top sliding door can drop and cause crushing as the rod mechanism is being converted.

- ▶ The sliding door must be secured to prevent it from dropping during the conversion work.
- ▶ The fastening points on the articulated rods must be changed for the right and left side in two steps.

The top part of the two-part door opens at a height of 2417 mm as standard. The height can be limited to 2200 mm by modifying the door mechanism as follows.

- ▶ Remove both springs (right/left). These are no longer required.



5.6.1 Linke Gelenkstange umbauen

- ▶ *Modifying the fastening points on the articulated rod:*



Fig.1: Articulated rod at bottom before the conversion



Fig.2: Articulated rod at the top before the conversion

- ▶ Undo screws on the articulated rod at top and bottom.
- ▶ Also screw articulated rod on the other side of the connection between outer wall and fixing plates.
 - Use the socket head screw from the bottom fastening for the alternative fastening point at the top.
 - Use the socket head screw from the top fastening for the alternative fastening point at the bottom.

5.6.2 Rechte Gelenkstange umbauen

Erst nach abgeschlossenem Umbau der linken Gelenkstange

- ▶ Umbau der rechten Gelenkstange in gleicher Weise durchführen:
 - Geänderte Befestigungspositionen beachten.
 - Schrauben tauschen.
 - Seitenwechsel der Gelenkstangen beachten.

5.7 Connecting to the power supply

WARNING!



Risk of electric shock

Failure to connect properly to the power supply can cause mortal danger from electric shock.

- ▶ Have the machine connected to the power supply only by qualified personnel.

NOTE: To guarantee the electrical safety of the machine, it must be connected to a protective earthing equipment conductor installed as specified. In addition, the machine must be attached on site to the equipotential bonding connection. The connecting screw (▽) provided for this purpose is located at the rear of the floor pan next to the cable bushing.

With frequency converter-controlled machines and the corresponding use of a residual current protective device (FI/RCD), this must be rated as type B (sensitive to alternating/direct currents).

These fundamental safety requirements and the proper design of the site indoor installation must be verified by a qualified electrician.

Hobart does not accept any liability for damage caused by improper installation! Any applicable site local installation instructions must be observed!

The mains cable must be connected via a cut-out device (main switch or accessible plug device).

The power supply must be consistent with the data on the rating plate.

- ▶ Modification to an alternative power supply is possible as per the variants on the circuit diagram.
- ▶ Fuses and cable cross section must be designed accordingly.

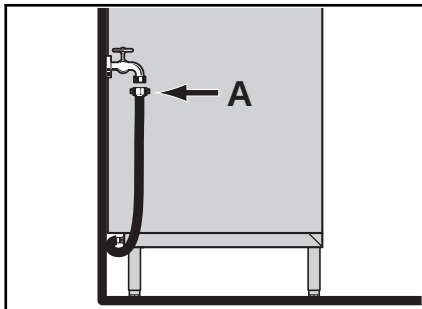
Zur Prüfung des korrekten Drehstromphasenanschlusses muss die Drehrichtung der Waschpumpe(n) geprüft werden.

- ▶ Kabelbinder - ca. 3 cm tief - durch das rückseitige Lüftungsgitter schieben.



- ▶ Kontrollieren ob das Lüfterrad entgegen dem Uhrzeigersinn (in Pfeilrichtung) dreht.
- ▶ Andernfalls zwei der drei Phasen am Zuleitungskabel gegeneinander vertauschen.

5.8 Connecting the water



HINWEIS: Maschine muss mit Trinkwasserqualität betrieben werden.

- ▶ Möglichst an warmes Wasser (max. 60°C) anschliessen.
- ▶ Maschinen mit Abwasser-Wärmerückgewinnung: möglichst an kaltes Wasser (ca. 10 °C) anschliessen.

Wasserhärte:

- Maschinen mit Dampf: max. 1 °d = 0,18 mmol/l
- Maschinen ohne Enthärter: max. 3 °d = 0,53 mmol/l.
- Maschinen mit Enthärter: max. 30 °d = 5,3 mmol/l.

Fließdruck:

- Maschinen ohne Enthärter: 0,5 – 10 bar
- Maschinen mit Enthärter: 0,8 – 10 bar
- Bei Fließdruck über 10 bar: Druckminderventil vorsehen.
- ▶ Überwurfmutter „A“ (G 3/4) des Zulaufschlauchs mit bauseitigem Absperrventil verschrauben.
- ▶ Zulaufschlauch nicht knicken oder zerschneiden.
- ▶ Eventuell notwendige Verlängerung muss mit einem geeigneten Druckschlauch ausgeführt werden z.B. 324088-1.

PREMAX model:

The machine is equipped with an additional separate hot water connection (marked in red) for faster filling of the wash tank.

If the separate tank fill with hot water cannot be realised on site, a trained service technician must convert to filling via boiler by adapting parameter S16 (change values from 2 to 0).

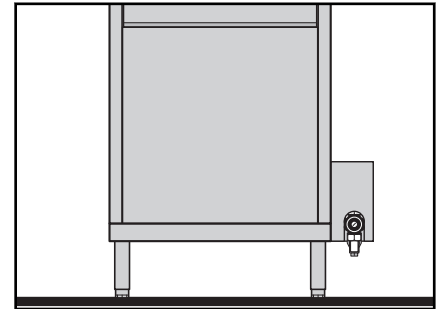
5.9 Connect steam (optional)

NOTE: On site, make sure that the permissible pressures and temperatures cannot be exceeded.



The fittings required for operation are built into the machine.

- ▶ Connect to the site steam line.



- DN 20 pipe
- Flow pressure: 0.5 - 3.5 bar
- Temperature: max. 150°C
- See rating plate!
- ▶ Dimension steam and condensate line accordingly.

5.9.1 Adjustment of manual shut-off valve

The built-in manual shut-off valve is equipped with an adjustment device to limit the flow rate of the heating supply medium. The correct adjustment is very important, particularly for higher pressures.

NOTICE!

Property damage

If the manual shut-off valve is not throttled enough, water hammer may occur when the solenoid valve closes.

If the manual shut-off valve is throttled too much, the heat output will be too low.

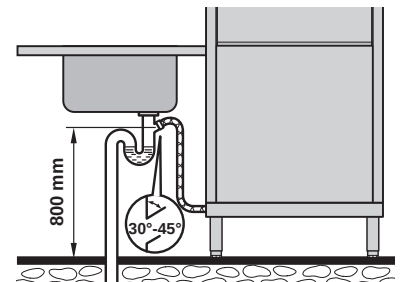
- ▶ Have the adjustment made only by a HOBART-trained customer service engineer when commissioning or when the site system is modified.

Adjustment of manual shut-off valve:

- ✂ Special wrench required
- ▶ Adjust the valve seat so that when the valve is fully opened, the set temperature of the booster is maintained in continuous operation.

5.10 Connecting the drain

- ▶ The connection between machine and site drain must not exceed a max. height of 0.8 m.



- ▶ Do not kink or lay the drain hose loose on the ground.

5.11 Connecting the dispenser

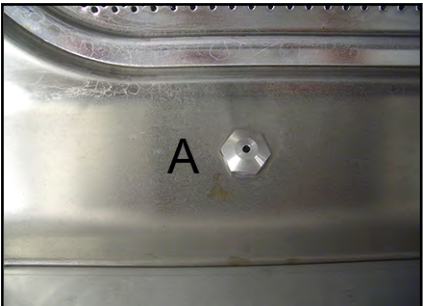
As a rule, all model variants are already factory-equipped with integrated dispensers. To convert to different dispensers, make the connection as follows.

- ▶ Drain tank.
- ▶ Turn off the site main switch or remove the plug.
- ▶ Remove frontal covering.



Connecting the liquid dispenser:

- ▶ A metering nipple is available on top of the boiler for dispensing rinse aid.
- ▶ For detergent dosing, connect the hose (PVC / Ø 6 mm outside × Ø 4 mm inside) between the pressure side of the dispenser and the metering nipple (A) on the wash tank, secure with hose clamp.

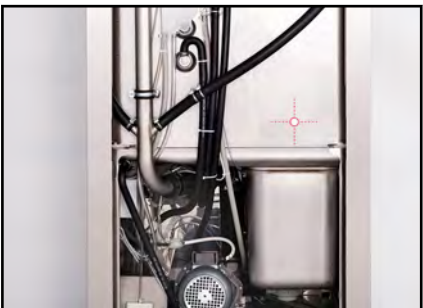


- ▶ Install dispenser or mount externally.

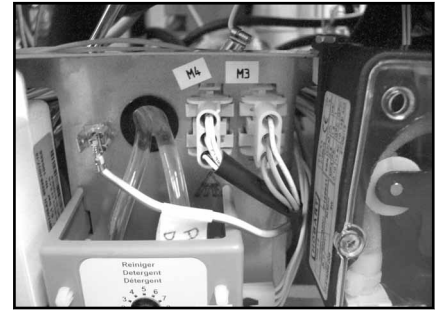


To connect a powder or solid detergent dispenser:

- ▶ Detach the back covering.
- ▶ Drill out the inner tank wall according to the required connection diameter.

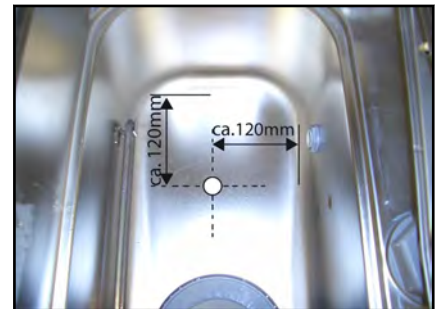


- ▶ Screw the dosing connection tightly to the tank wall.
- ▶ Connect the plug of the cable harness to the dispenser (max. 100 VA).



Installing the connectivity probe:

- ▶ Conductivity probe should be installed at the flat part of tank bottom.
- ▶ Drill out the tank according to the probe diameter.



- ▶ Replace cover(s).
- ▶ Turn on site main switch or insert the plug.
- ▶ Set the dispenser and the sensor system.

6 Commissioning

6.1 Personnel qualification

Commissioning must only be carried out by qualified personnel (see section 2.2.2).

6.2 Starting the commissioning procedure

When the machine is turned on for the first time, the commissioning procedure starts automatically with the language selection, followed by further requisite commissioning steps.

UX/UXT, UP/UPT

Commissioning

- ▶ Push ON/OFF button .
 - ↳ Display is activated.
 - ↳ **Language** menu is displayed.

6.3 Setting the language

- ▶ Push the display navigation button ④ or ⑥ until the required language is framed.
- ▶ Push button ⑤.
 - ↳ The language is activated.
 - ↳ **Set day** menu is displayed.

6.4 Setting the date

- ▶ Push the display navigation button ④ or ⑥ until the required day appears.
- ▶ Confirm with button ⑤ and skip to set month.
- ▶ Repeat the procedure as described to enter month and year.
- ▶ Push button ⑤.
 - ↳ The date is activated.
 - ↳ **Set time** menu is displayed.

6.5 Setting the time

- ▶ Push the display navigation button ④ or ⑥ until the required hour appears.
- ▶ Confirm with button ⑤ and skip to set minutes.
- ▶ Push the display navigation button ④ or ⑥ until the required minute appears.
- ▶ Push button ⑤.
 - ↳ The time is activated.

6.6 Setting the water hardness (optional)

Machines with integrated softener have a water hardness setting.

NOTE: The softener must be set to the existing water hardness (ask at the local water works).

- ▶ Push the display navigation button ④ or ⑥ until the required hardness is set.
- ▶ Push button ⑤.
 - ↳ Water hardness is activated.

6.7 Filling the salt reservoir (optional)

On machines with integrated softener, an instruction to fill the salt reservoir appears during commissioning.

NOTICE!

Property damage

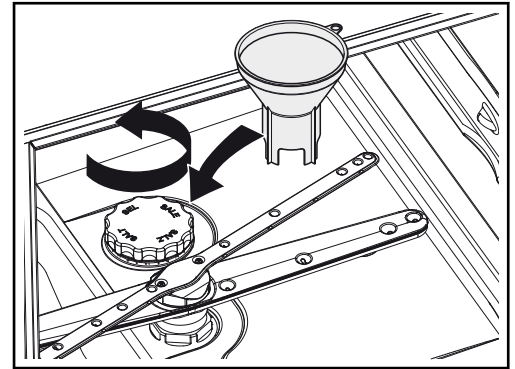
Accidentally filling the salt reservoir with detergent will damage the water softener.

- ▶ Do not fill the salt reservoir with detergent.



Unlike the regular salt fill, additional water has to be added during the commissioning procedure.

- ▶ Open the door.
- ▶ Unscrew the salt reservoir lid and add 1.5 kg of granular (2-8 mm) regenerating salt (do not use salt tablets).



- ▶ Fill up the reservoir with potable water (only at commissioning).
- ▶ Make sure the lid seal is free of dirt and salt.
- ▶ Screw lid back on and tighten.

NOTICE!

Property damage

Salt residues on the tank floor cause corrosion damage.

- ▶ Remove salt residues by hand.
- ▶ On completion of the commissioning procedure, start a wash cycle to remove all traces of salt if necessary.

- ▶ To continue the commissioning procedure, push button .

6.8 Filling chemical hoses



We recommend the use of HOBART Hyline detergent and rinse aid.

NOTE: Mixing chemicals in the hose when exchanging chemicals can lead to crystallisation and damage to the hoses and dosing units. This is prevented by intermediary rinsing with water (see section 7.10 and 8.8). Failure to comply with this information will invalidate the guarantee and product liability.

⚠ CAUTION!



Chemical burns, sensitisation of the skin, poisoning

The use of unsuitable chemicals can cause injury.

- ▶ Use only commercial detergent and rinse aid.
- ▶ Observe the manufacturer's application and safety instructions.

⚠ WARNING!



Chemical burns, sensitisation of the skin, poisoning

Incorrect handling of detergent or rinse can lead to serious injuries.

- ▶ Wear protective equipment (gloves, safety goggles, protective clothing) when handling chemicals.

UX/UCT, UP/UPT

Commissioning

6.8.1 Provisioning external chemical canisters

During the commissioning procedure, an instruction for inserting the suction hoses into the external canisters appears in the display.

Preparing the detergent:

Suction height of dosing pump: max. 1.5 m.

- Place suction hose **without** colour marking at the suction valve at the bottom of the external reservoir.

Preparing the rinse aid:

Suction height of dosing pump: max. 1.5 m.

- Place suction hose with **blue** marking at the suction valve at the bottom of the external reservoir.

Filling the suction hoses:

- Push button .
↳ The instruction "Close the machine Door" is displayed.
- Close the Door and push button .
↳ Chemical hose filling is activated.

The filling process is visualised in the display by a time bar.

6.9 Completing the commissioning procedure

The machine can be started or alternatively switched off.

- Push the display navigation button ④ or ⑥ until the required setting is framed.
- Push button ⑤.
↳ The setting is activated.

6.10 Starting up the chemical deficiency sensor system

⚠ WARNING!

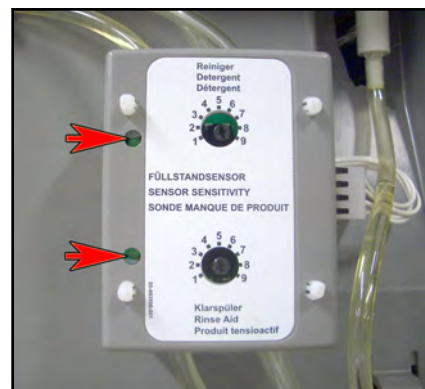


Chemical burns, sensitisation of the skin, poisoning

Incorrect procedure when commissioning the chemical sensor system can cause serious injury.

- Have chemical sensor system set by authorised service technicians.

- Before removing the trim components, disconnect the machine from the power supply.
- Execute hose filling via the operator menu (see section 8.8).
- Observe until the sensor-operated filling of both hoses is complete.



↳ The control LEDs must now illuminate.

- If necessary, readjust the potentiometers (increase setting).

- Factory setting for detergent = 3
- Factory setting for rinse aid = 5
- ▶ Switch on sensor system in the service menu. Contact your HOBART Service Partner.

7 Operation

7.1 Personnel qualification

The machine must be operated by instructed personnel (see section 2.2.2).

7.2 Special safety instructions

WARNING!



Fire hazard

Malfunction or continuous operation of the machine can cause injuries due to fire.

- ▶ Do not operate the machine without supervision.

CAUTION!



Chemical burns, sensitisation of the skin, poisoning, burning

If the Door is opened during operation, vapour can escape and/or wash water can spurt out and cause injury.

- ▶ Do not open the Door during operation, wait for the program to finish.

WARNING!



Burns, scalds to the hands

If the door is opened during the washing program, steam can escape and lead to serious injuries

- ▶ Do not open the door during washing program, wait for the cycle to finish.

WARNING!



Danger of slipping

Moisture can build up on the machine floor and cause slipping.

- ▶ Provide a floor covering that is guaranteed to be non-slip in case of moisture.

7.3 Preparations for washing

7.3.1 Preparing the machine

- ▶ Check correct position of wash/rinse arms and strainers.
- ▶ Open site shut-off valve.
- ▶ Turn on main switch or insert the plug.
- ▶ Check level of detergent and rinse aid container.

UX/UXT, UP/UPT

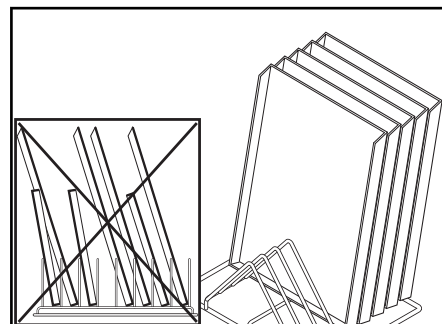
Operation

- ▶ Close Door.
- ▶ Press the ON/OFF key .
 - ↳ Machine is switched on.
 - ↳ The tank is filled.

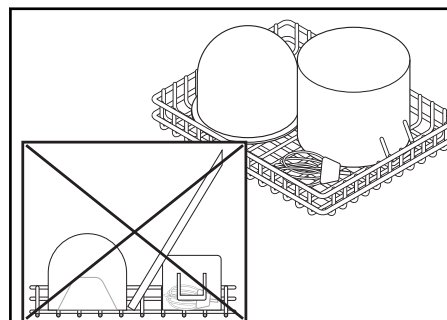
The ON/OFF button gradually goes green during fill and heating cycle. This process can take several minutes. When the button becomes completely green, the machine is ready for operation.

7.3.2 Preparing the washware

- ▶ Grobe Reste entfernen.
- ▶ Schaumbildende Stoffe (Eiweiß, Trennmittel, Blut u.s.w.) entfernen.
- ▶ Fest angebackenen Schmutz vorbehandeln (z.B. Einweichen).
- ▶ Bleche in die entsprechenden Einsatzgestelle setzen



- ▶ Schattenzonen und Abdeckungen vermeiden.
- ▶ Töpfe und Behälter mit der Öffnung nach unten in Körbe setzen.



- ▶ Leichtes Spülgut durch Aufsetzen eines Korbes oder des speziellen Beschwerungsrahmens sichern!

PREMAX Modelle:**Seitenwaschsysteme nutzen:**

- ▶ GN-Teile in die Halteschienen der zusätzlichen Seitenwaschsysteme einschieben.

- ▶ Körbe seitlich in die Haltehaken der zusätzlichen Seitenwaschsysteme einhängen.



7.4 Displaying and selecting the program

7.4.1 Overview of programs and additional functions

Name	Description	Alternative symbol display
Short	For slight dirt deposits	
Standard	For normal dirt deposits	
Intensive (UX/UXT only)	For heavier dirt deposits	
Dampfwaschungsprogramm (UP/UPT only)	Für stärkere Verschmutzungen	
Reiniger-Direkt-Sprühsystem (UP/UPT only)	Arbeitet mit Reiniger-Direkt-Einsprühung und Dampf zum Erreichen eines besseren Waschergebnisses bei starken Verschmutzungen.	
Low Temp	Arbeitet mit reduzierter Temperatur zur Vermeidung von Eiweißgerinnung (werksseitig nicht aktiviert)	

UX/UXT, UP/UPT

Operation

Name	Description	Alternative symbol display
Duration	For heavy dirt deposits	
Hygiene	(see section 7.9)	

7.4.2 Displaying and selecting the program

The machine washes automatically using the standard programme. If necessary, a different program can be selected.

- ▶ To display the current program before the start, activate the infrared sensor in the display by hand or push the display navigation button.
 - ↳ Display is activated.
 - ↳ **Programme selection and info** menu is displayed.
 - ↳ The program currently selected is highlighted.
- ▶ To switch to a different program, press the navigation button ④ or ⑥ until the required program appears and is highlighted.

The selected program can be started directly via ON/OFF button ①.

The machine continues with the last programme to be selected until it is switched off.

7.5 Washing

- ▶ Korb in die Maschine schieben und Door schließen.
- ▶ EIN/AUS-Taste drücken.
 - ↳ Während das Programm abläuft, wechselt die Farbanzeige der EIN/AUS-Taste von blau zunehmend zurück zu grün.
 - ↳ Sobald die EIN/AUS-Taste wieder grün aufleuchtet, ist der Spülvorgang beendet.
- ▶ Door öffnen und Korb herausnehmen.
- ▶ Dem Geschirr ausreichend Zeit zum Trocknen lassen.

Programm: Reiniger-Direkt-Sprühsystem (UP/UPT only)



Im Programmablauf ist eine Einweichphase integriert. Während dieser Phase ist kein Arbeitsgeräusch zu hören.

Machines with exhaust heat recovery (option)

The ON/OFF button has a circulating blue segment on a green background for as long as steam is being removed from the rinse chamber. It is not necessary to wait for this process to end during high capacity periods.

7.5.1 Ending a continuous program

A running continuous program can be ended prematurely as follows.

- ▶ Push the ON/OFF button .
 - ↳ The rinse cycle starts after a short pause.
 - ↳ The continuous program is ended.

The program also ends automatically after 20 minutes.

7.6 Switch off machine

- ▶ Door schließen.
- ▶ EIN/AUS-Taste drei Sekunden drücken.
 - ↳ Während das Abpumpens, wechselt die Farbanzeige der EIN/AUS-Taste von grün zunehmend zurück zu farblos.



Während des Abpumpens wird der Innenraum der Maschine automatisch gereinigt. Eventuell vorhandene grobe Reste anschließend entfernen.
Sofern der Innenraum nochmals manuell mit einem Wasserschlauch ausgespritzt wird, kann dieses Restwasser durch Drücken und Halten der EIN/AUS-Taste (3 Sek.) bei bereits ausgeschalteter Maschine mit einer verkürzten Abpumpphase nochmals abgepumpt werden.

Wenn die EIN/AUS-Taste komplett erloschen ist:

- ▶ Hauptschalter ausschalten bzw. Stecker ziehen.
- ▶ Bauseitiges Absperrventil schließen.



Falls keine Taste betätigt wird, schaltet die Maschine nach 6 Stunden automatisch aus, pumpt jedoch nicht ab.

7.7 Executing daily cleaning

WARNING!



Burns, scalds, chemical burns

During the cleaning process, general malfunctions with the washing, rinsing or cleaning pump or the tank heater, for example, can cause injuries from burns, scalds or chemical burns.

- ▶ The machine must be disconnected from the mains prior to cleaning.

NOTICE!

Property damage

The use of unsuitable agents can cause corrosion or damage to the surfaces.

- ▶ Do not use any chlorine-containing, acidic or metal-containing additives to clean the machine.
- ▶ Do not use metal sponges.

- ▶ Open the door.
- ▶ Remove sieves and clean. **Make sure that food debris does not enter pump intake!**
- ▶ Flush the fine strainer under running water.
- ▶ Clean machine areas that cannot be reached by the water circulation of the self-cleaning function (door seal, etc.).
- ▶ Replace strainer.
- ▶ Leave the door open for ventilation.

7.8 Executing weekly cleaning

- ▶ Push and hold the clip fastener on the wash and rinse arms. Remove the wash and rinse arms and clean.
- ▶ Reinsert wash and rinse arms.

UX/UXT, UP/UPT

Operation

7.9 Executing hygiene cleaning

Nach Erreichen einer vorgegeben Anzahl von Spülzyklen erfolgt der Hinweis "Hygieneprogramm durchführen" im Display und zeigt an, dass eine automatische Hygienereinigung des Maschineninnenraumes durchgeführt werden sollte.

- ▶ Vor dem Betriebsende Korb herausnehmen und 6 (UX/UP) / 10 (UXT/UPT) HOBART cleaning tablets in den Innenraum der Maschine legen.
- ▶ Door schließen.
- ▶ Navigationstaste oder so oft drücken bis das Hygiene-Programm erscheint und umrahmt ist.
- ▶ EIN/AUS-Taste drücken.

Während das Hygiene-Programm abläuft (Dauer je nach Modell und Wasseranschluß bis zu einer Stunde) erlöschen nacheinander die grün beleuchteten Segmente.

Nach Ablauf des Programmes schaltet die Maschine automatisch ab.



Die Hygienereinigung sollte bei Bedarf schon vor Erreichen der vorgegebenen Spülzyklen durchgeführt werden. Bei regelmäßiger Anwendung bleibt der Maschineninnenraum frei von Schmutz und Ablagerungen.

7.10 Chemieprodukt wechseln

Beim Wechsel des Reiniger- und Klarspülerprodukts bitte beachten:

- Beim Vermischen unterschiedlicher Produkte können Auskristallisationen entstehen, die zum Funktionsausfall des Dosiergerätes führen können. Dies trifft auch zu, wenn das neue Produkt vom gleichen Hersteller ist.
- Ein neues Produkt kann eine neue Einstellung des Dosiergerätes erfordern.
- Das gesamte System bestehend aus Dosierschläuchen und Dosiergerät muss mit Wasser durchgespült werden, bevor die neue Chemie verwendet wird.

Chemie wechseln:

- ▶ Ansaugventil aus dem Vorratsbehälter nehmen und in einem mit Wasser befüllten Behälter stecken.
- ▶ Dosierschläuche und Reinigerdosiergerät mit Wasser durchspülen
 - Die Funktion "Chemieschläuche befüllen" 8.8 verwenden.
 - Abhängig von der Länge der Dosierschläuche gegebenenfalls wiederholen.
 - Sauglanze in den Vorratsbehälter mit dem neuen Produkt stecken.
- ▶ Um das Wasser in den Dosierschläuchen durch das Produkt zu ersetzen, die Funktion "Chemieschläuche befüllen" 8.8 verwenden.

7.11 Displaying the temperatures

This menu option is for displaying the current tank and rinsing temperatures.

Procedure:

- ▶ Activate the infrared sensor in the display by hand or push one of the display navigation buttons.
 - ↳ Display is activated.
 - ↳ **Programme selection and info** menu is displayed.
- ▶ Push button ⑤.
 - ↳ **Login/Temperatures/Info** menu is displayed.
- ▶ Select the **Temperatures** menu option.
 - ↳ Current tank and rinsing temperatures are displayed.

8 Setting options, operating and hygiene data

The machine can be operated as soon as the commissioning procedure is complete.

The following settings can be individually set as required using the operator menu.

8.1 Overview of operator menu

Sub-menu	Function
General settings	Language Date Time Date format Time format Temperature unit
Display indications	Program representation Brightness Adjust contrast Temperature display
Acoustic signal	On/Off
Chemical settings	Detergent dosing Rinse aid dosing Filling chemical hoses
External water treatment	Set counter Reset counter Remaining water quantity Activating/deactivating (not for RO-I/V)
Hardness	Setting
Operating/hygiene data	Display operating data Display hygiene data Transmit report
Timer	Weekly program Timer program Activate/deactivate

8.2 Opening the operator menu

The machine must be switched on.

- ▶ Activate the infrared sensor in the display by hand or push one of the display navigation buttons.
 - ↳ Display is activated.
 - ↳ **Programme selection and info** menu is displayed.
- ▶ Push button ⑤.
 - ↳ **Login/Temperatures/Info** menu is displayed.
- ▶ Push the display navigation button ⑥ until **login** is framed.
- ▶ Push button ⑤.
 - ↳ The display shows "Enter PIN".
- ▶ **Enter operator code "1111":**
 - ▶ Push the navigation button ④ or ⑥ until a "1" appears in the first position.

UX/UXT, UP/UPT

Setting options, operating and hygiene data

- ▶ Push button ⑤ and skip to the next number.
- ▶ Repeat the procedure as described until all numbers are entered.

Once the correct code has been entered, the operator menu is displayed.

8.3 Navigating, selecting and setting within the menu

Navigating and opening submenu:

- ▶ Push the navigation button ④ or ⑥ until the required submenu appears and is framed.
- ▶ Push button ⑤.
 - ↳ Menu is displayed.

Making and activating settings:

- ▶ Push the navigation button ④ or ⑥ until the required setting appears and is framed.
- ▶ Push button ⑤.
 - ↳ The setting is activated.

Back:

- ▶ Push the navigation button ④ or ⑥ until the menu option **Back** appears and is framed.
- ▶ Push button ⑤.
 - ↳ The next highest menu level is displayed.

8.4 Exiting the operator menu

- ▶ Open the Door and close it again, or do not press a key for 10 seconds!

8.5 Making the general settings

The following settings can be entered into the **General settings** sub-menu.

Setting	Selection
Language	is set as default during commissioning, see sections 6.3 to 6.5
Date	
Time	
Date format	YYYY.MM.DD DD.MM.YYYY MM.DD.YYYY
Time format	24h / 12h
Temperature unit	°C / °F

Making the settings:

- ▶ Open the operator menu, see section 8.2.
- ▶ Open the **General settings** sub-menu and make the setting, see section 8.3.

8.6 Setting the display indications

The following settings can be entered into the **Display indications** sub-menu.

Setting	Selection
Program representation	Text display Symbol display (see section 4.6.1)
Display brightness	Set brightness

Setting options, operating and hygiene data

Setting	Selection
Display contrast	Set contrast
Temperature display	Activate/deactivate

Making the settings:

- Open the operator menu, see section 8.2.
- Open the **Display indications** sub-menu and make the setting, see section 8.3.

8.7 Setting the acoustic signal

An acoustic signal can be switched on or off in the **Acoustic signal** sub-menu.

Setting	Selection
Set signal sensor	Sound on/sound off

Making the settings:

- Open the operator menu, see section 8.2.
- Open the **Acoustic signal** sub-menu and make the setting, see section 8.3.

8.8 Making the chemical settings

The following settings can be entered into the **Chemical settings** submenu.

Setting	Selection
Detergent dosing	Factory setting: 2.5 g/l Possible range: 0–9.5 g
Rinse aid dosing	Factory setting: 0.3 g/l Possible range: 0–2.0 g/l
Filling chemical hoses	Fill detergent dosing hose NO/YES Fill rinse aid suction hose NO/YES

Making the settings:

- Open the operator menu, see section 8.2.
- Open the **Chemical settings** submenu and make the setting, see section 8.3.

If in the **Fill chemical hoses** submenu, the prompt **Fill detergent suction hose** and/or **Fill rinse aid suction hose** are set to **Yes**, the filling process will start.

The filling process is visualised in the display by a time bar.

NOTE: The hose filling for detergent only functions when the door/hood is closed.

It can be stopped by pushing button ② if necessary.

8.9 Configuring the counter for external water treatment (optional)

The following settings for an optional external water treatment can be entered into the **External water treatment** submenu.

Setting	Selection
Set counter	Set counter Factory setting: not activated
Reset counter	Reset counter NO Reset counter YES

UX/UXT, UP/UPT

Setting options, operating and hygiene data

Setting	Selection
Remaining water quantity	Remaining capacity external water treatment Displays the current demineralisation counter status (remaining water quantity until the demineralization cartridge is depleted).
Activate/deactivate	Activates or deactivates the evaluation of the remaining capacity External water treatment.

Making the settings:

- Open the operator menu, see section (→ *Chapter 8.2 Opening the operator menu*).
- Open the **External water treatment** submenu and make the setting, see section 8.3.

8.10 Setting the water hardness (optional)

With optional softener only.

Note: The softener must be set to the existing water hardness (ask at the local water works).

The following settings can be entered into the **Set water hardness** sub-menu.

Setting	Selection
Water hardness setting	is set as default during commissioning Factory setting: 30°dH Possible range: 0–30°dH

Making the settings:

- Open the operator menu, see section 8.2.
- Open the **Set water hardness** sub-menu and make the setting, see setting 8.3.

8.11 Displaying the operating/hygiene data

The following data can be called-up from the **Operating/hygiene data** submenu.

Setting	Selection
Display operating data	Commissioning date Operating hours until next service Total operating hours Wash cycles overall Total water consumption Operating hours day Daily wash cycles Daily water consumption Remaining capacity external water treatment
Hygiene data	See section 8.11.1

Displaying the setting:

- Open the operator menu, see section 8.2.
- Open the **Operating/hygiene data** submenu.
- Open the corresponding submenu and display the setting, see section 8.3.

8.11.1 Display hygiene data

Hygiene-relevant events, data and messages are listed in this menu option.

The list starts with the current date and the last event that occurred on this day. The subsequent events occurring on this day then appear, followed by the events occurring the day before.

Setting options, operating and hygiene data

A maximum of 1500 events are saved. Older lists are deleted.

Pushing button  opens the list of completed wash programs.

The following data are saved:

Hygiene data	Program set point temperature too low
	Thermal disinfection aborted
	Wash process aborted
Messages	Rinse aid empty
	Rinse aid deficiency remedied
	Detergent empty
	Detergent deficiency remedied
	Salt empty
	Salt deficiency remedied
	Service interval expired
	Half-cartridge depleted
Events	Filling program
	Pump-out program
Washing program	

8.11.2 Transmit report

This menu option is for transmitting operating and hygiene-relevant data in txt format to a USB stick. This format can be imported and processed using standard software.

Procedure:

- ▶ Open the door.
- ▶ Remove sealing cover from USB port (top right near door sealing).
- ▶ Insert USB stick into the port.
- ▶ Select the **Report** menu option.
 - ↳ After a successful download, a message appears in the display.
- ▶ Remove USB stick.
- ▶ Close off USB port with the sealing cover.

8.12 Setting automatic switch-on

The **Timer** sub-menu is for defining times for automatic machine switch-on.

This can be done in two ways:

- The **Weekly program** menu option can be used to define various switch-on times for individual weekdays.
- The **Daily Timer program** can be used to define a non-recurring switch-on time for today's date.

The switch-on must be set to active via the separate **Activate/deactivate** menu option. The text frame shows the most recently selected of the four options. When switch-on is activated, a small clock symbol remains in the top left-hand section of the display for 30 minutes after the machine has been turned off.

Setting	Selection
Weekly program	Weekdays and times
Daily Timer program	Date and time

Setting	Selection
Activate/deactivate	Weekly timer ON Daily Timer program ON Weekly and Daily Timer program ON Timer OFF

Making the settings:

- Open the operator menu, see section 8.2.
- Open the **Timer** sub-menu and make the setting, see section 8.3.

Daily Timer program

The date and time can be selected and altered using the display navigation buttons.

The switch-on must also be set to active via the separate **Activate/deactivate** menu option.

When the time and date are reached, the machine switches on.

Weekly program

Weekdays and an individual switch-on time can be selected and altered using the display navigation buttons.

For weekdays on which **no** switch-on is to occur, **no** time may be saved.

After the switch-on times for each weekday have been entered, the switch-on must be set to active via the separate **Activate/deactivate** menu option.

When the time is reached, the machine switches on.

Activate/deactivate

The **Activate/deactivate** menu option offers the following four selection options:

- **Daily timer on:** Automatic switch-on is activated for an **entered day's date**.
- **Weekly timer on:** Automatic switch-on is activated for the **saved weekdays and individual times**.
- **Daily and weekly timer on:** Automatic switch-on is activated for an **entered day's date and for the saved weekdays**.
- **Timer off:** Automatic switch-on is **generally deactivated**.

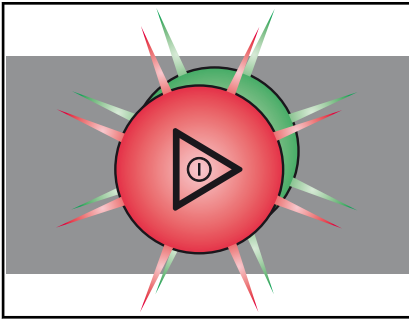
9 **Fault indications and problems**

9.1 **Fault indications**

Displayed error messages are shown in the order of priority. They **must** be acknowledged via the display navigation button ⑤.

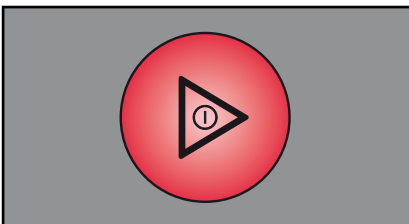
Acknowledged fault messages for which the fault is still pending are first hidden to enable further messages to be displayed.

If all fault messages have been acknowledged but errors are still pending, these messages will then be shown again.

**Information**

- Limited operation is possible.
- The ON/OFF button ① illuminates green/red alternately.
- The error code is shown in the display (see table).

Error code	Message text	Measure
003, 4, 8, 9	Temperature not reached. Contact service technician.	Contact your HOBART Service Partner.
021	Fault in the drain system. Clean the drain hose if necessary and pump-out the machine again.	Clean the drain hose if necessary and pump-out the machine again.
022	Fault in the drain system. Clean the drain hose if necessary.	Clean the drain hose if necessary.
029	Programme aborted. Close Door.	Close Door.
036	Detergent deficiency. Top up detergent.	Refill detergent (see section 6.8).
037	Rinse aid deficiency. Top up rinse aid.	Refill rinse aid (see section 6.8).
038	Input voltage too high! Machine has been switched off.	Have the input voltage checked by the (site) electrician.
039	Filling programme aborted. Close Door.	Close Door.
041	External water treatment depleted. Replace.	Replace part or full desalination cartridge.
042	Osmosis pre-filter depleted. Replace.	Replace pre-filter.
043	Salt deficiency. Refill regenerating salt.	Refill regenerating salt.

**Faults**

- Limited operation is not possible.
- The ON/OFF button ① illuminates permanently red.
- The error code is shown in the display (see table).
- Once the error display has been acknowledged, the machine turns off.

Error code	Message text	Measure
001, 002	Fault - hot water tank temperature sensor. Contact service technician.	Contact your HOBART Service Partner.
006, 007	Fault - wash tank temperature sensor. Contact service technician.	Contact your HOBART Service Partner.
011, 12	Fault - Wash chamber temperature sensor. Contact service technician.	Contact your HOBART Service Partner.
013	Disinfection not guaranteed. Contact service technician.	Contact your HOBART Service Partner.
014, 15	Fault - hot water tank pressure sensor. Contact service technician.	Contact your HOBART Service Partner.

UX/UXT, UP/UPT

Fault indications and problems

Error code	Message text	Measure
016	Fault - wash tank pressure sensor. Contact service technician.	Contact your HOBART Service Partner.
017	Fault - tank pressure sensor. Contact service technician.	Contact your HOBART Service Partner.
018	Fault in the filling or drain system. Contact service technician.	Contact your HOBART Service Partner.
019	Strainers blocked. Remove, clean and re-insert.	Remove, clean and re-insert strainers.
020	Wash tank pressure sensor fault. Pump out machine.	Pump out machine.
023	Fault in the filling system. Supply quantity too low.	Check site flow pressure.
031, 32	Fault in the filling system. Check water supply.	Check water supply.
033	Fault in the filling system. Contact service technician.	Contact your HOBART Service Partner.
035	Insert tank cover strainer correctly.	Insert tank cover strainer correctly.
044	Salt deficiency. Refill regenerating salt.	Refill regenerating salt.
045	Number of rinse cycles without regenerating salt exceeded. Contact service technician.	Contact your HOBART Service Partner.
052	Fault in the filling or drain system. Contact service technician. Disconnect machine from the water and power supply!	Contact your HOBART Service Partner.

9.2 Remedying the problem

9.2.1 Poor wash result

Nature of the problem	Possible cause	Remedy
Wash ware not clean.	Wash arm stiff (must rotate easily by hand).	Remove wash arms and clean them thoroughly. Also check water outlet from machine to wash arm is clear.
	Wash arm nozzles are clogged (visual check).	Remove wash arm, remove cleaning caps and rinse wash arm thoroughly until all soiling is removed. Replace cleaning caps.
	Rinse nozzles clogged (usually by lime deposit).	Remove rinse arms and descale them in separate container. Check site softening system for function.
	Detergent concentration is too low or too high.	Check detergent concentration setting.
	Coarse strainer clogged.	Remove, empty and clean strainer.
	Fine strainer clogged or obstructed by lime deposits.	Remove fine strainer. If heavily soiled, soak in a vinegar solution. Then clean it thoroughly with a brush until the pores are free. The fine strainer should generally be cleaned daily (see operating instructions).
	Wrong programme selected for heavily soiled wash ware.	Select programme with longer wash cycle.

Nature of the problem	Possible cause	Remedy
Wash ware does not dry properly.	Wash ware still greasy.	Detergent concentration too low: increase (see operation instructions). Check if detergent is appropriate. If not, choose a stronger one. Drain contaminated water and refill machine. Clear wash ware more thoroughly beforehand.
	Rack is not suitable for type of dishes (sloping).	Use appropriate racks to create a sloping position which allows water to drain away from cavities.
	Wash ware remains in the machine too long at the end of wash cycle.	Remove wash ware as soon as cycle is completed to enable it to dry.
Streaks and spots on wash ware.	Hard water or high mineral content.	Check water quality. Every local water works holds data on the composition of the water they supply and will provide these on request. Reference values: Ideal calcium value: 0 – 3°d (total hardness). Ideal mineral content value: for glasses, max. conductivity 100 µS/cm, for dishes, still viable to max. 400 µS/cm.
	Rack is not suitable for type of dishes (sloping).	Use appropriate racks to create a sloping position which allows water to drain away from cavities.
	Machines with integrated softener: use of wrong salt (e.g. tablets).	Do not use salt tablets.

9.2.2 Other problems

Art des Problems	Mögliche Ursachen	Abhilfe
Maschine wird während des Spülprogramms deutlich lauter.	Übermäßige Schaumbildung durch ungeeigneten Reiniger oder Klarspüler	Geeigneten Reiniger und Klarspüler verwenden.
	Übermäßige Schaumbildung durch Eintrag von schaumbildenden Stoffen (Eiweiß, Trennmittel, etc.)	Spülgut gründlich vorabräumen.
Maschine schaltet während des Betriebes plötzlich ab.	Maschine hängt an einer Maximumanlage oder ist gegen andere Stromverbraucher verriegelt.	Maschine separat schalten lassen (Elektroinstallateur!).
	Eine bauseitige Sicherung hat ausgelöst.	Bauseitige Sicherungen überprüfen.

10 Maintenance

- In order to maintain the warranty, as well as a permanently safe, efficient, and trouble-free operation of the machine(s), the required maintenance must be carried out by authorized service technicians. We therefore recommend the conclusion of an inspection and maintenance contract, which guarantees qualified support by specially trained service technicians according to a time schedule based on the operating conditions. Genuine spare parts must be used for repairs and wearing part replacements. Wearing parts include dosing hoses, rinse arm bearings, etc. In Germany, your HOBART machines are governed by the Ordinance on Indus-

UX/UXT, UP/UPT

Product disclaimer

trial Health and Safety and must be inspected by a qualified electrician in accordance with the intervals specified by the Institute for Work and Health of the German Social Accident Insurance [DGUV V3 (BGV A3)].

11 Product disclaimer

Installations and repairs carried out by non-authorised technicians or using non-genuine spare parts, and any technical alterations to the machine not approved by the manufacturer will invalidate the manufacturer's warranty and product liability.

HOBART reserves the right to make changes or improvements to its products without prior notice.

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12 Conformity



Original

EG-Konformitätserklärung

Declaration of Conformity / Déclaration de Conformité / Declaración de Conformidad / Dichiarazione di conformità / Conformiteitsverklaring / Deklaracja zgodności / Декларация соответствия / Uygunluk beyanı / Deklaracija o skladnosti / Izjava o skladnosti / Declaração de Conformidade / Prohlášení o shodě

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.

This declaration of conformity is issued under the sole responsibility of the manufacturer.

La présente déclaration de conformité est établie sous la seule responsabilité du fabricant.

La presente declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante.

La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante.

Deze conformiteitsverklaring wordt verstrekt onder volledige verantwoordelijkheid van de fabrikant.

Niniejsza deklaracja zgodności wydana zostaje na wyłączną odpowiedzialność producenta.

Эта декларация соответствия выдается под исключительную ответственность производителя.

Bu uygunluk beyanı, tamamen üreticinin sorumluluğu altında düzenlenmiştir.

Ova izjava o skladnosti izdaje se na isključivu odgovornost proizvođača.

Ta izjava o skladnosti je izdana na lastno odgovornost proizvajalca.

A presente declaração de conformidade é emitida sob a exclusiva responsabilidade do fabricante.

Toto prohlášení o shodě se vydává na výhradní odpovědnost výrobce.

Maschine: Universalspülmaschine

Machine: Utensil - Washer

Machine: Love utensiles

Máquina: Lava utensílios

Macchina: Lavautensili

Machine: Gereedschappen wasmachine

Urządzenie: Zmywarka do garnków i przyborów kuchennych

Машина: Универсальная посудомоечная машина

Makine: Kasten yıkama

Stroj: Perilica crnog posuda

Stroj: Univerzální pomívalní stroj

Máquina: Máquina lava-loiça universal

Stroj: Univerzální myčka

Hersteller / Dokumentationsbevollmächtigter:

Manufacturer / authorized to compile the technical file:

Fabricant / autorisée à constituer le dossier technique:

Fabricante / autorizado para unificar la información técnica:

Fabbricante / Responsabile della documentazione:

Fabrikant / Geautoriseerd om de technische documentatie samen te stellen:

Produsent / autorizowany przedstawiciel:

Изготовитель / ответственный за составление документации:

Üretici / Dokümantasyon yetkilisi:

Proizvođač / ovlašten za sastavljanje tehničkog spisa:

Proizvajalec / pooblaščen za dokumentacijo:

Fabricante / Responsável pela documentação:

Výrobce / osoba zplnomocnená sestavením dokumentace:

HOBART GMBH / Verena Wiedenhöfer

Robert-Bosch-Straße 17

77656 Offenburg / Germany

Type:	UX-Serie	UP-Serie	Design State:	Serial No.:
	UXT - Serie	UPT - Serie		86 64 XXXXX
	UXTH - Serie	UXTLH - Serie		

Hiermit bestätigen wir, dass die genannte Maschine entsprechend den nachfolgend aufgeführten Normen gefertigt und geprüft worden ist.

Herewith our confirmation that the named machine has been manufactured and tested in accordance with the following standards.

Par la présente, nous déclarons que la machine citée ci-dessus a été fabriquée et testée en conformité aux normes.

Por la siguiente confirmamos que la máquina mencionada ha sido fabricada conforme a las siguientes normas.

Con la presente confermiamo che la macchina indicata è stata costruita in conformità alle norme di seguito riportate.

Hierbij bevestigen wij dat de genoemde machine is gefabriceerd en getest volgens de hiervolgende voorwaarden.

Niniejszym deklarujemy, że wymieniony produkt spełnia wymogi następujących norm.

Настоящим мы подтверждаем, что указанная машина изготовлена в соответствии с приведенными ниже нормами.

İşbu belge ile belirtilen makinenin aşağıda listelenen normlara doğrultusunda hazırlanmış beyan ederiz.

Ovine potvrdujemo da je gore navedeni stroj proizveden i testiran sukladno sljedećim standardima.

S tem izjavljamo, da je naveden stroj izdelan in preizkušen v skladu s spodaj navedenimi standardi.

Com a presente declaramos que a máquina supracitada foi construída e inspecionada segundo as normas referidas a seguir.

Tímto potvrzujeme, že uvedený stroj byl vyroben a zkontrolován podle následujících norem.

DIN SPEC 10534:2019-02

EN 55014-1:2017

EN 55014-2:2015

EN 60335-2-58:2005 + Corr. 2007 + A1:2008 + A11:2010 + A2:2015 + A12:2016

EN IEC 61000-6-2:2019

EN 61000-6-4:2007 + A1:2011

EN ISO 12100:2010

EN IEC 63000:2018

Die Maschine stimmt mit den folgenden Richtlinien überein:

The product complies with the following directives:

La machine est conforme aux directives fixées:

La máquina armoniza con las siguientes Directivas:

La macchina è conforme alle direttive seguenti:

Het product voldoet aan de volgende richtlijnen:

Urządzenie spełnia wymogi następujących dyrektyw:

Машина соответствует требованиям следующих директив:

Makine, aşağıdaki yönetmelikler ile uyumludur:

Ovaj stroj je u skladu sa sljedećim direktivama:

Ovaj stroj je u skladu sa sljedećim direktivama:

Stroj urezta zahtevam sledećih direktiv:

A máquina está em conformidade com as seguintes diretivas:

Stroj je v souladu s ustanoveními následujících směrníc:

2006/42/EG (Maschinenrichtlinie, Machinery-Directive)

2014/30/EU (EMV-Richtlinie, EMC-Directive)

2011/65/EU (RoHS Richtlinie, RoHS Directive)

Die Schutzziele der Niederspannungsrichtlinie 2014/35/EU wurden gemäß Anhang I Nr. 1.5.1 der Maschinenrichtlinie 2006/42/EG eingehalten.

Protective Goals of the Low Voltage Directive 2014/35/EU are in compliance with Appendix I No 1.5.1 of the Machinery Directive 2006/42/EC.

Les objectifs de protection de la directive sur les basses tensions 2014/35/UE ont été respectés conforme à l'annexe I Nr. 1.5.1 der de la directive relative aux machines 2006/42/CE.

Directiva de protecciones de baja tensión 2014/35/UE están en acuerdo con el apéndice I No 1.5.1 de la directiva de maquinaria 2006/42/CE.

Gli obiettivi di protezione della direttiva per basse tensioni 2014/35/UE è stata rispettata secondo allegato I n. 1.5.1 della Direttiva per macchine 2006/42/CE.

De veiligheidsdoelstellingen van de laagspanningsrichtlijn 2014/35/EU zijn nageleefd in overeenstemming met nr. 1.5.1 van bijlage I van de machine richtlijn 2006/42/EG.

Produkt spełnia wymogi bezpieczeństwa dyrektywy niskonapięciowej 2014/35/UE, zgodnie z załącznikiem I nr. 1.5.1 dyrektywy maszynowej 2006/42/WE.

Цели, охраняемые Директивой по высоковольтному оборудованию 2014/35/ЕU, соблюдены в соответствии с приложением № 1.5.1 Директивы по машинному оборудованию 2006/42/ЕС.

Alçak Gerilim Yönetmeliği 2014/35/UE'nin koruyucu hedeflerini, Makine Yönetmeliği 2006/42/EC, ek I no. 1.5.1'e göre uyulmuştur.

Sigurnostni ciljevi direktive o niskom naponu 2014/35/EU udovoljavaju dodatku I br. 1.5.1. Direktive o strojevima 2006/42/EC.

Upoštevani so zaščitni cilji Direktive o nizki napetosti 2014/35/EU v skladu s priložo I, št. 1.5.1 Direktive o strojih 2006/42/ES.

Os objetivos de proteção da Diretiva de Baixa Tensão 2014/35/UE foram cumpridos de acordo com o Apêndice I, n.º 1.5.1 da Diretiva de Máquinas 2006/42/CE.

Cile ochrany die nízkonapäťové směrnice 2014/35/EU byly splněny dle přílohy I č. 1.5.1 směrnice o strojních zařízeních 2006/42/ES.

Bestätigt durch:

Confirmed by:

Offenburg, 30.03.2021

ppa.

Harald Disch
Direktor Produktentwicklung Europa
Director Warewash Engineering Europe



Original

Declaration of Conformity

Authorized to compile the technical file:

This declaration of conformity is issued under the sole responsibility of the manufacturer.

HOBART UK
Southgate Way, Orton Southgate,
Peterborough, PE2 6GN, UK

Machine: *Utensil - Washer*

Trade mark: HOBART

Type:	UX-Series UXT - Series UXTH - Series	UP-Series UPT - Series UXTLH - Series	Design State: UX-15-01	Serial No.: 86 64 XXXXX
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Herewith our confirmation that the named machine has been manufactured and tested in accordance with the following designated standards.

- DIN SPEC 10534:2019-02
- BS EN 55014-1:2017+A11:2020
- BS EN 55014-2:2015
- BS EN 60335-2-58:2005+A12:2016
- BS EN IEC 61000-6-2:2019
- BS EN IEC 61000-6-4:2019
- BS EN ISO 12100:2010
- BS EN IEC 63000:2018

The product complies with the following regulations:

- SI 2008/1597 (The Supply of Machinery (Safety) Regulations 2008)
- SI 2016/1091 (The Electromagnetic Compatibility Regulations 2016)
- SI 2012/3032 (The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012)

Protective Goals of the Electrical Equipment (Safety) Regulations 2016 (SI 2016/1101) are in compliance with Appendix I No 1.5.1 of the Supply of Machinery (Safety) Regulations 2008 (SI 2008/1597).

Confirmed by:

Offenburg, 01.07.2021

ppa.

Harald Disch
Director Warewash Engineering Europe

13 Disposal



The machine operator is responsible for disposing of the machine and its operating materials correctly and in accordance with environmental regulations. Both national and local legal provisions and regulations must be observed!

With respect to fluorine-containing coolants in machines with heat pumps, the requirements of Regulation (EC) No. 517/2014 and supplementary national legislation must be observed in Europe.

We recommend assigning a specialist company for disposal. Alternatively, Hobart can take back the machine and its operating materials.

HOBART GmbH

Robert-Bosch-Str. 17
77656 Offenburg
Deutschland
Tel.: +49 (0)781.600-0
Fax: +49 (0)781.600-23 19
E-Mail: info@hobart.de
Internet: www.hobart.de

HOBART Export

Robert-Bosch-Str. 17
77656 Offenburg
Germany
Phone: +49 (0)781.600-2820
Fax: +49 (0)781.600-2819
E-Mail: info-export@hobart.de
Internet: www.hobart-export.com

Hobart UK.

Southgate Way,
Orton Southgate,
Peterborough
PE2 6GN
United Kingdom
Tel.: +44 (0)844 888 7777
Republic of Ireland: +353 (0)1246 0248
Fax: +44 (0)1733 361 347
E-mail: sales@hobartuk.com
Internet: www.hobartuk.com

Compagnie HOBART SAS

Allée du 1er mai
77183 Croissy Beaubourg
FRANCE
Tel: +33 (0)1 64 11 60 00
Fax: +33 (0)1 64 11 60 10
E-mail: contact@hobart.fr
Internet: www.hobart.fr

Hobart Nederland BV

Pompmolenlaan 12
3447 GK Woerden
Telefoon +31 (0)348 462626
Fax: +31 (0)348 430117
E-mail: info@hobartnederland.nl
Internet: www.hobartnederland.nl

Hobart Foster Belgium bvba/sprl

Industriestraat 6
1910 Kampenhout
Telefoon +32 (0) 16.60.60.40
Fax +32 (0) 16.60.59.88
E-mail: info@hobart.be
Internet: www.hobart.be

Hobart Norge

Gamle Drammenvei 120
N-1363 Høvik
Tlf.: +47-67109800
Fax.: +47-67109801
E-post: post@hobart.no
Hjemmeside: www.hobart.no

Hobart Scandinavia ApS

Håndværkerbyen 27
2670 Greve
Danmark
Tlf.: +45 4390 5012
Fax.: +45 4390 5002
E-mail: salg@hobart.dk
Internet: www.hobart.dk

Hobart Sweden/Finland

Tel: +46 8 584 50 920
E-mail: info@hobart.se
Internet: www.hobart.se

Australia**Hobart Food Equipment**

Unit 1 / 2 Picken Street,
Silverwater NSW, 2128
Tel: +61 1800 462 278
Fax: +61 02 9714 0222
E-mail: sales@hobartfood.com.au
Internet: www.hobartfood.com.au

HOBART China

15th Floor, Building A
New Caohejing International Business
Center
391 Gui Ping Road
Shanghai, 200233
Telephone: +86 (0)21 34612000
Fax: +86 (0)21 34617166
Internet: www.hobartchina.com

HOBART Korea LLC

7th Floor, Woonsan Bldg, 108, Bangi-dong
Songpa-gu, Seoul 138-050
Korea
Telephone: +82 2 34 43 69 01
Fax: +82 2 34 43 69 05
E-mail: contact@hobart.co.kr
Internet: www.hobart.co.kr

HOBART (Japan) K.K.

6-16-16 Minami-Oi, Shinagawa-ku,
Tokyo 140-0013
Japan
Telephone: +81 3 5767 8670
Fax: +81 3 5767 8675
E-mail: info@hobart.co.jp
Internet: www.hobart.co.jp

Hobart International (S) Pte Ltd

158, Kallang Way, #06-03/05
Singapore 349245
Telephone: +65 6846 7117
Fax: +65 6846 0991
E-mail: enquiry@hobart.com.sg
Internet: http://www.hobart.com.sg

Hobart Thailand

43 Thai CC Tower Building,
31st FL, Room No. 310-311,
South Sathorn Rd., Yannawa,
Sathorn, Bangkok, 10120
Thailand
Telephone: +66(0)2-675-6279-81
Fax: +66(0)2-675-6282
E-mail: enquiry@hobartthailand.com
Internet: http://www.hobartthailand.com

ITW India Pvt Ltd.

501-502 Vipul Trade Centre
Sector 48 Sohna Road
Gurgaon 122001
Telephone: +91 124 4245430
Fax: +91 124 4245432