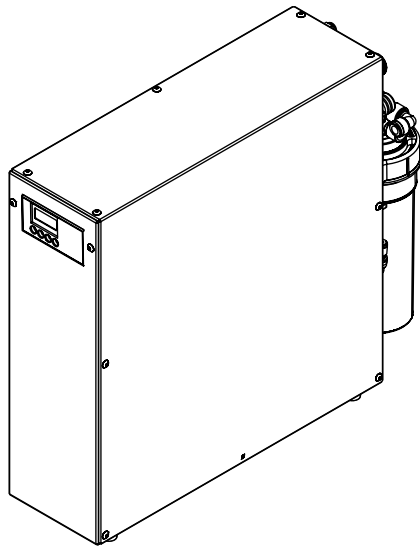




Reverse osmosis



Hydroline RO-S

Installation and Operation Manual

*(Translation of the original
operating instructions)*

EN

Table of Contents

| | | |
|-----------|---|----|
| 1 | Notes on the documentation | 4 |
| 1.1 | Application..... | 4 |
| 1.2 | Layout of the documentation..... | 4 |
| 1.3 | Representation convention..... | 4 |
| 2 | Safety instructions and regulations | 5 |
| 2.1 | Safety instructions and warning notices..... | 5 |
| 2.2 | Basic safety instructions..... | 5 |
| 2.3 | Property damage..... | 6 |
| 3 | Product description | 7 |
| 3.1 | General view and elements..... | 7 |
| 3.2 | Intended purpose..... | 7 |
| 3.3 | Designation | 7 |
| 3.4 | Technical specifications | 7 |
| 4 | Controls | 8 |
| 5 | Installation | 9 |
| 5.1 | Personnel qualification..... | 9 |
| 5.2 | Special safety instructions..... | 9 |
| 5.3 | Removing the packaging..... | 9 |
| 5.4 | Installing the machine | 9 |
| 5.5 | Setting according to untreated water quality..... | 10 |
| 5.6 | Connections at the rear..... | 12 |
| 5.7 | Connecting to the power supply..... | 12 |
| 5.8 | Hydraulics diagram..... | 13 |
| 6 | Operation | 14 |
| 6.1 | Personnel qualification..... | 14 |
| 6.2 | Switching on..... | 14 |
| 6.3 | Normal operation..... | 14 |
| 6.4 | Standby mode..... | 15 |
| 6.5 | Changing the pre-filter cartridge | 15 |
| 7 | Fault indications and problems | 17 |
| 7.1 | Fault indications..... | 17 |
| 7.2 | Remedying the problem..... | 17 |
| 8 | Maintenance | 18 |
| 9 | Disposal | 19 |
| 10 | Product disclaimer | 19 |

| | | |
|-----------|-------------------------|----|
| 11 | Conformity | 20 |
|-----------|-------------------------|----|

Hydroline RO-S

Notes on the documentation

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:




- Operation instructions

For the specialised tradesman:

- Installation Instructions
- Service Manual
- Wiring Diagram
- Spare Parts Catalogue

1.3 Representation convention

1.3.1 Symbols used

| Symbol | Meaning |
|---|---|
|  | Warning of hazardous electrical voltage |
|  | 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.

| | |
|--|---|
|  DANGER | imminent danger: results in serious physical injury or death |
|  WARNING | potentially hazardous situation: can cause serious physical injury or death |
|  CAUTION | potentially hazardous situation: can cause minor physical injury |
|  NOTICE | 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.
- ▶ Carefully read through the Operation Manual before use.

Hydroline RO-S

Safety instructions and regulations

| 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 |
| 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 |
| | Trainees | Only under professional supervision and examination |

2.2.3 Product-specific hazards

Avoid electric shock:

- ▶ Do not allow water to flow over live components.
 - Make sure the machine is correctly stored (see frost damage section 2.3).
 - Do not spray the outside of the machine with a water hose or high-pressure cleaner.
- ▶ Have the machine connected to the power supply by qualified personnel.
- ▶ Have wearing or faulty parts replaced only by certified, qualified personnel.

2.3 Property damage

Avoid frost damage:

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

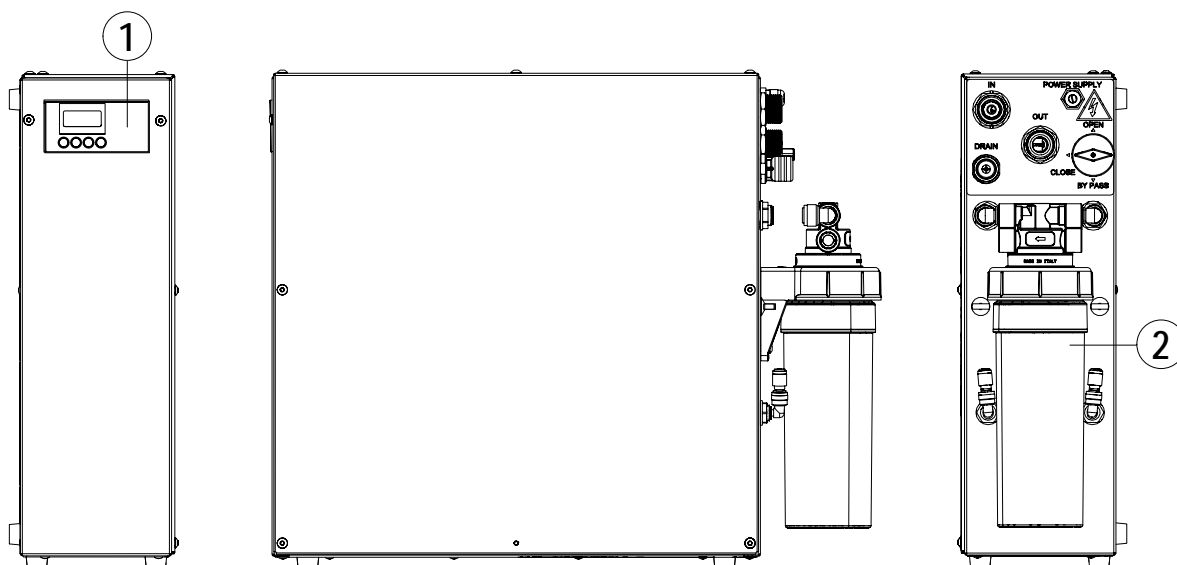
- ▶ Prior to installation, store the machine at room temperature (min. 15°C) for 24h.

Avoid water damage:

- ▶ Do not operate the machine without supervision.
- ▶ Close the water shut-off valve immediately if water escapes.

3 Product description

3.1 General view and elements



3.2 Intended purpose

The system is a technical appliance that may be used exclusively for the demineralisation of untreated water and in conjunction with industrial dishwashers.

The system must not be used

- if limit values of the untreated water used are exceeded, see Technical Data.
- if components of the dishwasher that come into contact with pure water are not suitable for demineralised water.
- for the treatment of water for drinking purposes.

3.3 Designation

The data plate is located on the side of the system. If you have any questions regarding service and parts, quote the serial and DSN No.

3.4 Technical specifications

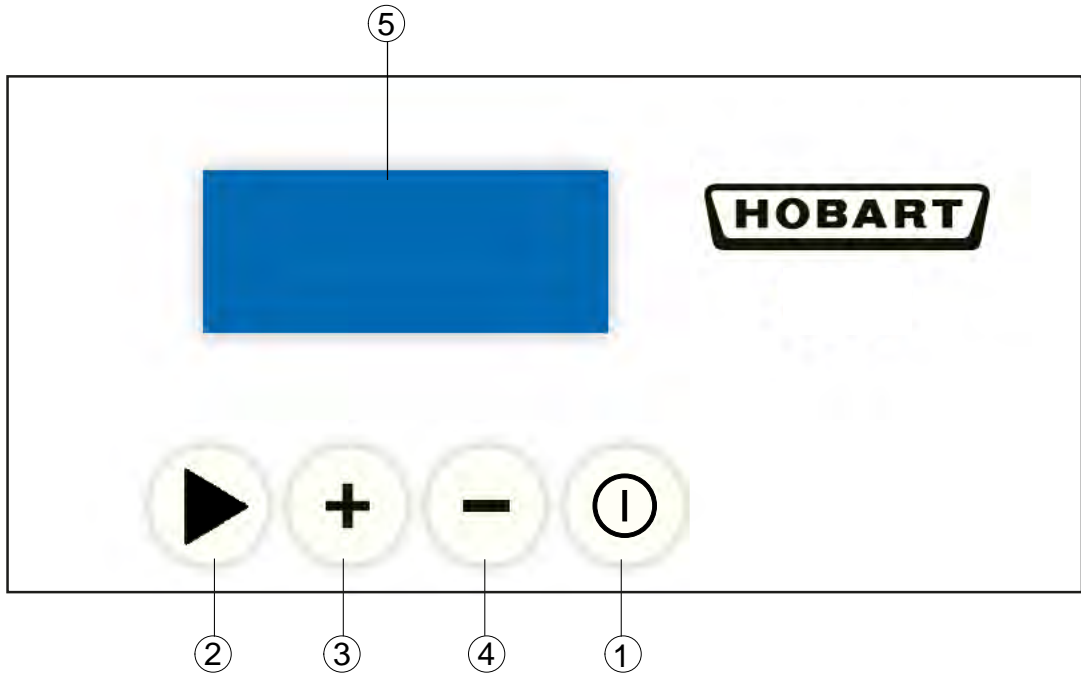
| | |
|---|--------------------|
| Dimensions (H x W x D) | 459 x 156 x 565 mm |
| Type of protection | IP X4 |
| Emission sound pressure level L_{pA} (Measurement uncertainty $k_{pA} = 2.5$ dB) | 55 dB (A) |
| Weight | 20 kg |
| Untreated water quality | Drinking water |

| | |
|---|--|
| Inlet water temperature | Min. 5°C max. 35°C |
| Inlet volume | Min. 5 l/min |
| Flow pressure | 1.5 - 6 bar |
| Conductance | Max. 1200 µS/cm |
| Hardness | Max. 35°dH (from 10°dH, an upstream water softening system is recommended in order to preserve the service life of the diaphragms) |
| pH-value | 6.5 - 9.5 |
| Power supply | 220-240 V, 50 Hz, 1pH+P.E. |
| Current consumption | 1.5 A |
| Max. flow at 15°C | 120 l/h ±20% |
| Yield correspondent to the capillary drain tubes with 15°C warm water | Blue: ® 48 % Black: ® 39 % White: ® 31 % |

3.4.1 Operating time

| | |
|----------------------|---|
| Pre-filter cartridge | 140 operating hours, max. 6 months, yield 14000 l |
| Diaphragm | Until "Alarm conductance Hi" appears in the display |

4 Controls



| | | |
|--|---------------|---|
| | ON/OFF button | Pressing this button switches the machine on and off. |
| | ENTER button | |

| | | |
|--|---------------------------|--|
| | Display navigation button | |
| | Display navigation button | |
| | Display | |

5 Installation

5.1 Personnel qualification

Installation must only be carried out by qualified personnel in compliance with the statutory provisions (see section 2.2.2).

5.2 Special safety instructions

NOTICE!

Damage due to condensate

Severe temperature fluctuations at the installation site cause condensate to form on the inside of the system and damage to the electronics.

- ▶ Avoid severe temperature fluctuations.

NOTICE!

Frost damage

Temperatures below 0°C at the installation site cause the water-bearing systems to freeze up.

- ▶ The installation site must be frost-protected.

NOTICE!

Ventilation grilles

Insufficient ventilation due to covered ventilation grilles can cause the motor to overheat.

- ▶ The rear ventilation grilles must not be covered.

⚠ WARNING!



Risk of electric shock

Independent opening of the covering and manipulation of the electrical equipment can cause injuries from electric shock.

- ▶ Work on electrics/coverings must only be carried out by a qualified electrician.

5.3 Removing the packaging

- ▶ Unpack the system.
- ▶ Inspect the system for possible transport damage.

5.4 Installing the machine

We recommend an upright installation. Alternatively, the system can be installed on the existing rubber feet.

5.5 Setting according to untreated water quality

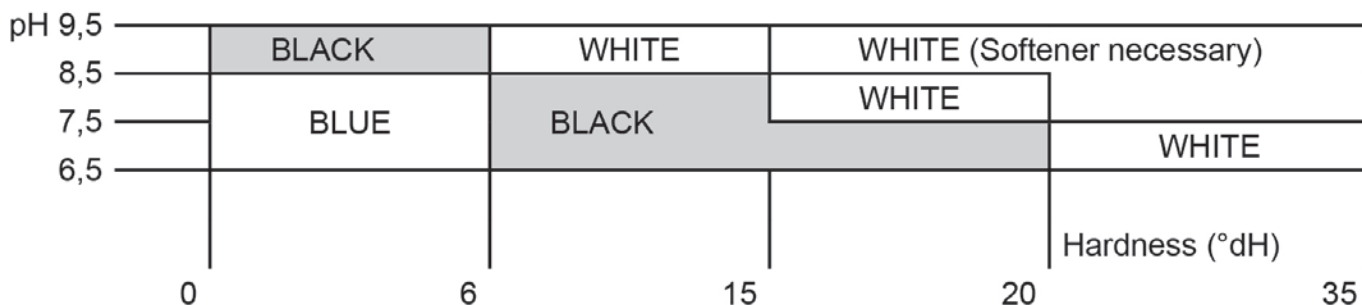


The default setting is for the worst water quality.

Default setting:

- > 20°dH or
- > 15°dH and > 7.5 pH or
- > 6°dH and > 8.5 pH

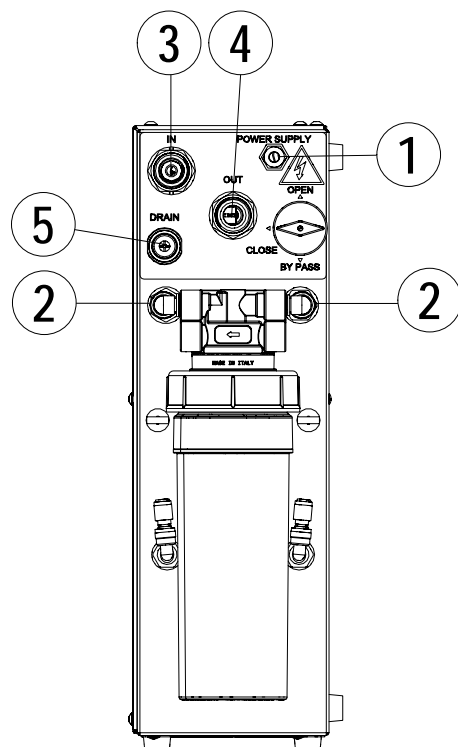
In case of a low hardness/pH, the yield can be increased by replacing the white capillary with the black or blue version.



Hydroline RO-S

Installation

5.6 Connections at the rear



Electrical connection

Capillary connections

Untreated water inlet

Pure water outlet

Concentrate drain

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 an alternating current via a shockproof socket installed as specified.

In addition, suitable earthing and a 0.03 mA differential switch must be present.

The machine must be protected from short circuits and overloads by means of adequate fuses and fault current switches.

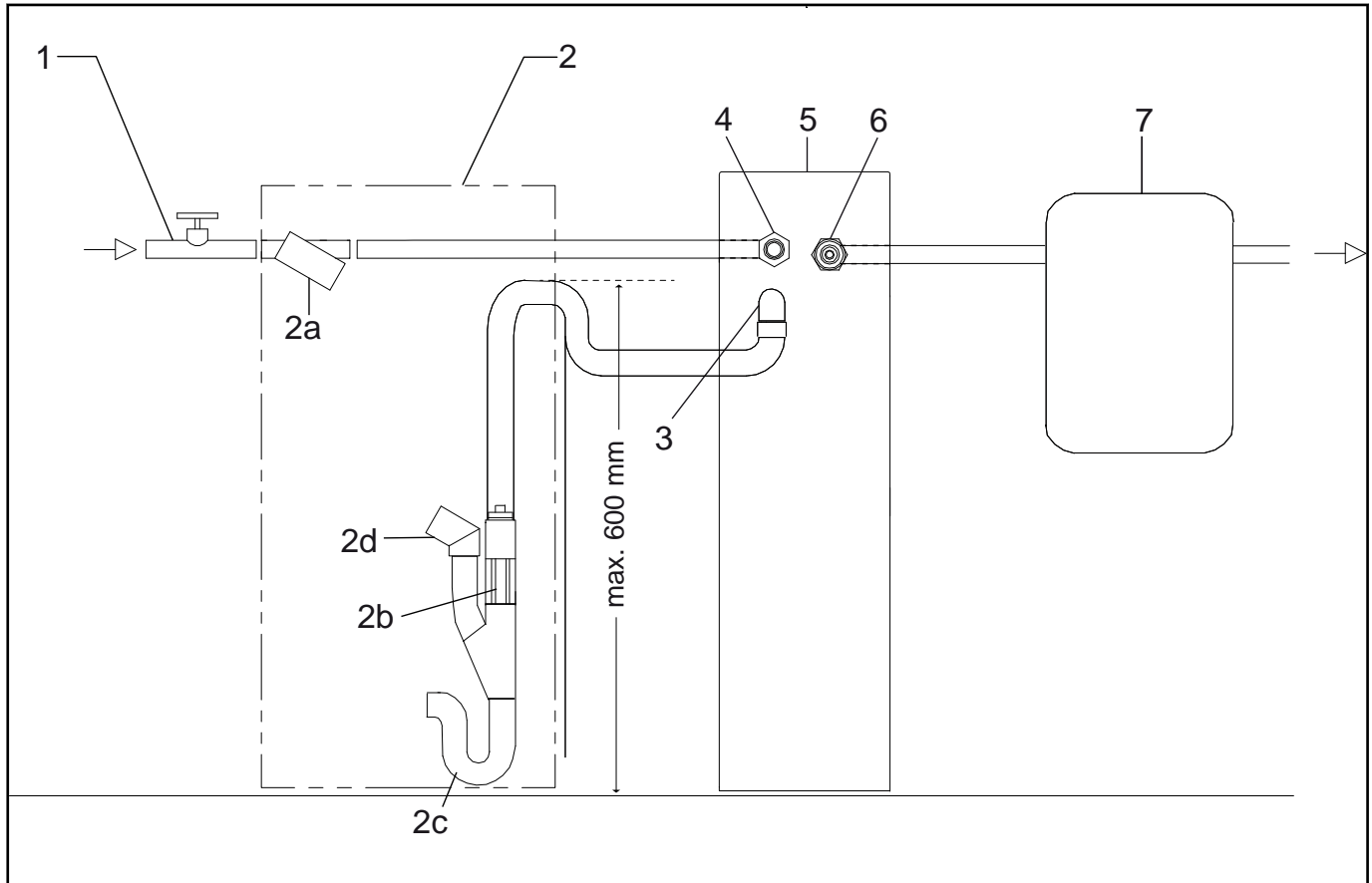
These fundamental safety requirements and the professional design of the on-site installation must be verified by a qualified electrician.

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

The mains voltage must be consistent with the voltage values on the rating plate.

► Connected load as well as the required fusing are specified on the rating plate.

5.8 Hydraulics diagram



1. On-site shut-off valve
2. Installation set 01-539385-001 as per EN1717
- 2a Dirt trap
- 2b Return suction inhibitor, concentrate discharge
- 2c Syphon
- 2d Dishwasher waste water connection
3. Concentrate drain
4. Untreated water inlet
5. RO-S
6. Pure water outflow to dishwasher
7. Optional: Intermediate container (mandatory for dishwashers without a booster pump)

5.8.1 Pure water outflow



Make the connection to the dishwasher with RO water-resistant hoses and connectors.

Hydroline RO-S

Operation

For this purpose, use the plastic hose provided for the RO system (the metal sheathed standard hose of the dishwasher is not suitable and can be used for the untreated water connection).

The dishwasher must be configured for the flow rate of the RO-S. With HOBART PROFI and PREMAX under-counter dishwashers with current software, this can be achieved via a selection in the commissioning menu or service menu.

Machines without booster pump can be connected only via an intermediate container (optional). In this case, a DN15 hose must be used to connect machine and tank.

5.8.2 Untreated water connection

NOTICE!

Damage from water leaks

Water leaks can cause damage in the installation room.

- ▶ Floor drain must be present in the installation room.
-

NOTE: The machine must be operated with potable water.

- ▶ Connect the untreated water to the dishwasher connection hose.

Type EA return suction inhibitor as per EN1717 is integrated into the device.

- ▶ Observe limit values for untreated water, see section (→Chapter3.4Technical specifications).
- ▶ Use of damaged or shortened inlet hoses is forbidden.
- ▶ Use of old or used hoses is forbidden.
- ▶ Check the connections for leaks.

5.8.3 Concentrate drain

Use the drain hose provided. The connection must not exceed max. height of 0.6 m.

6 Operation

6.1 Personnel qualification

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

6.2 Switching on

- ▶ Keep the ON/OFF button pressed.
 - ↳ "ON" will appear in the display.

6.3 Normal operation

As soon as the connected dishwasher requires water, the osmosis system starts.

Display treated water conductance:

- ▶ Keep the ENTER button pressed.
 - ↳ Conductance in $\mu\text{S}/\text{cm}$ will be shown in the display if water is being treated.

6.4 Standby mode

When the connected dishwasher does not require pure water, the system goes into standby mode.

6.4.1 Software version display

- ▶ Keep the ENTER button pressed.
 - ↳ Software version is displayed.

6.4.2 Automatic rinsing

- ▶ In standby mode, the osmosis system automatically switches on rinse mode every 2 hours to maintain the diaphragms.
We recommend that after switching off the machine, the power supply is not interrupted and the water supply is left open.
If the osmosis system is disconnected from the power and water supply for more than 30 days, the diaphragms should undergo hygienic maintenance by HOBART Service prior to restart.

6.4.3 Manual rinsing of the diaphragms

- ▶ Press the + button until "Manual rinsing" appears in the display.
- ▶ Press the ENTER button.
 - ↳ Diaphragm rinsing starts (2 minute).

6.4.4 Operating hours

To monitor the remaining capacity of the pre-filter cartridge, the system has an integrated operating hours counter.

Operating hours until filter change:

- ▶ Press the + button until "T RES xxxx:xx" appears in the display.

Reset counter

- ▶ Press the + button until "Filter Reset" appears in the display.
- ▶ To confirm press the ENTER button twice.
 - ↳ Counter is reset.

6.5 Changing the pre-filter cartridge

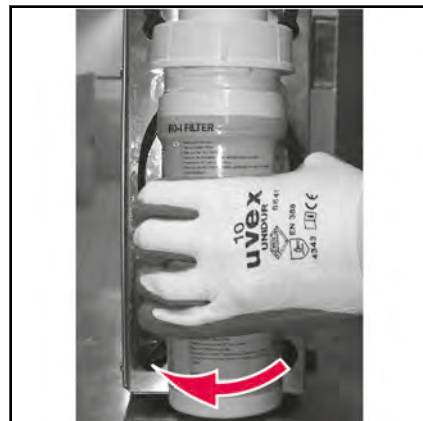
NOTICE!

- ▶ Use only genuine spare parts.
-

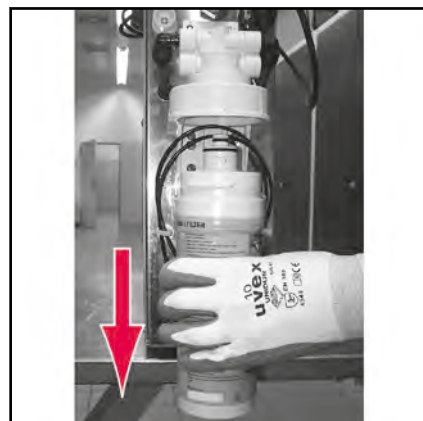
The pre-filter cartridge must be changed after 6 months, after 140 operating hours or after 14,000 litres of pure water throughput at the latest. At the end of 140 operating hours, the "Change filter" message appears in the display.

- ▶ Switch off the dishwasher.
- ▶ Switch off the osmosis system (via ON/OFF button).
- ▶ Close on-site shut-off valve.

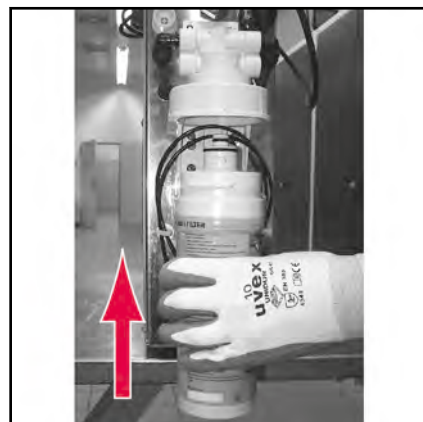
- ▶ Turn the old filter clockwise 90° to the left up to the stop.



- ▶ Pull the old filter downwards and out of the holder.



- ▶ Remove the cap from the new filter. Insert the new filter into the holder without exerting pressure.



- ▶ Turn the new filter 90° anticlockwise until it engages.



- ▶ Resetting the operating hours counter: see chapter 6.4.4

7 Fault indications and problems

7.1 Fault indications

Faults are shown in the operator panel display.

| Fault message | Reason | Action |
|---|--|---|
| Alarm P.min with 3 warning tones | On-site water pressure too low during water treatment | Press the ON/OFF button to switch off the device. Fully open the water shut-off valve. Clean the dirt collector behind the shut-off valve. Press the ON/OFF button to switch off the device. |
| Alarm Leakage with 10s warning tone | Leak detected inside the device | Close on-site water shut-off valve. Pull out the mains plug. Keep the + button pressed and insert the mains plug. 3 tones are emitted and the alarm is reset. Contact your HOBART Service Partner. After the repair, press the ON/OFF button to switch the device on. |
| Hi cond. Alarm | Conductance too high. Specified water quality no longer achieved in continuous operation | Contact your HOBART Service Partner. The diaphragms must be replaced. |
| Filters Replac. | Pre-filter cartridge exhausted. | Replace pre-filter cartridge with a new cartridge. |

7.2 Remediating the problem

WARNING!



Risk of electric shock

Independent opening of the covering and manipulation of the electrical equipment can cause injuries from electric shock.

- ▶ Work on electrics/coverings must only be carried out by a qualified electrician.

NOTICE!

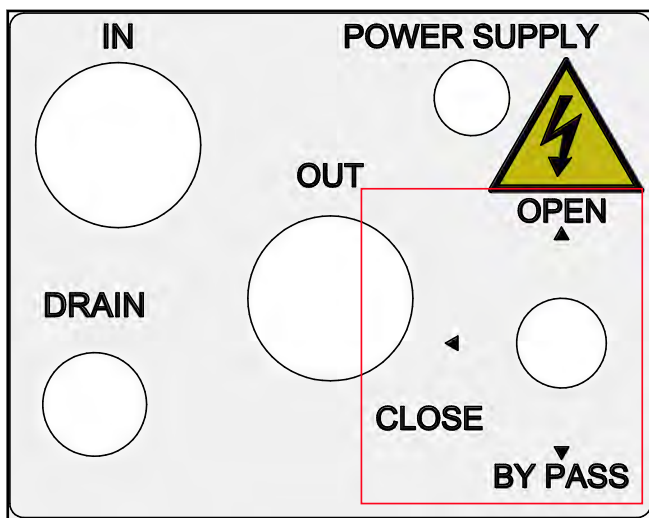
- ▶ If the fault cannot be eliminated, close the on-site water shut-off valve and switch off the osmosis system
- ▶ Request the HOBART service technician

| Nature of the problem | Potential causes | Remedy |
|---------------------------------------|--|--|
| Osmosis system cannot be activated | No mains voltage | Insert mains plug |
| | On-site fuse has tripped | Switch on fuse |
| "Low water" display on the dishwasher | On-site water shut-off valve closed | Open on-site water shut-off valve |
| | Operating mode controller in the "Closed" position | Set the operating mode controller to the "Open" position |

| Nature of the problem | Potential causes | Remedy |
|---|--------------------------------------|-------------------------------------|
| | No water treatment by osmosis system | Contact a HOBART service technician |
| Osmosis system does not stop the production of treated water | Internal fault | Contact a HOBART service technician |
| Osmosis system treats water, although the dishwasher does not request water | Internal fault | Contact a HOBART service technician |

7.2.1 Operating mode controller

The system has a manual bypass valve at the rear. This can be used to bridge the system and supply the dishwasher with untreated water in case of malfunctions.



OPEN:Normal operation

CLOSE:Water flow closed

BYPASS:Untreated water is not demineralised, but routed directly to the dishwasher

8 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-

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)].

9 Disposal

- ▶ The machine operator is responsible for disposing of the machine and its operating materials correctly and in accordance with environmental regulations. Observe the national and local legal provisions and regulations.



10 Product disclaimer

Installations and repairs carried out by non-authorized 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.

© HOBART GmbH, Offenburg 2021

11 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 sorumluluğunda alında 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: Umkehr-Osmoseanlage

Machine: Reverse Osmosis Unit

Machine: Système Revers Osmose

Máquina: Sistema de osmosis inversa

Macchina: Impianti ad osmosi inversa

Machine: Omgekeerde osmose installatie

Urządzenie: Odwrócona osmoza

Машина: Система обратного осмоса

Makine: Ters osmoz makinasi

Stroj: Reversna osmoza

Stroj: Priprava za povratno osmozo

Máquina: Sistema de osmose inversa

Stroj: Zařízení inverzní osmázy

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:

Producent / autoryzowany 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: RO-S

Design State: ROS-16-01

Serial No.: 39 69 XXXXX

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 belirttiğim makinenin aşağıda listelenen normlar doğrultusunda hazırladığım beyan ederiz.

Ovime potrdujemo 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 + A11:2020

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 61000-6-3:2007 + 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:

Stroj ustreza 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 estan 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/UE zijn nageleefd in overeenstemming met nr. 1.5.1 van bijlage I van de machine richtlijn 2006/42/CE.

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/EC.

Alçak Gerilim Yönetmeliği 2014/35/UE'nin koruyucu hedeflerine, Makine Yönetmeliği 2006/42/EC, ek 1 no. 1.5.1'e göre uyulmuştur.

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

Upoštevami 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 protecção 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 niskonapětové 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: *Reverse Osmosis Unit*

Trade mark: HOBART

Type: RO-S Design State: ROS-16-01 Serial No.: 39 69 XXXXX

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 61000-6-3:2007 + A1:2011
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

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