

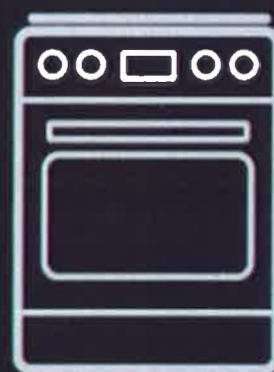
Index

1. Electric stove
2. Fridge
3. Stove fan
4. Floors
5. Doors
6. Painted surfaces
7. Polaria furniture
8. Kitchen furniture
9. Thermostat
10. Watector
11. Ceramic tiles
12. Toilet
13. Faucets
14. Water lock
15. Fresh air vent
16. Exhaust air vent
17. Floor drain
18. Guide for residents

1.

User Manual

**GETTING
STARTED?
EASY.**



ROSENLEW

SAFETY INFORMATION

Read the instructions that came with your device before installing or using the device. The manufacturer assumes no responsibility for personal injury or damage caused by incorrect installation or use. Always keep the instructions in a safe and accessible place for future use.

SAFETY OF CHILDREN AND UNSKILLED PEOPLE

WARNING! Risk of choking, personal injury or permanent disability

- Children and people with physical, sensory or mental disabilities may only use the device while being supervised by the person, who is responsible for their safety, only after they have been directed to use the device safely and have understood the hazards associated with its use.
- Do not allow children to play with the appliance.
- All packaging should be disposed properly and kept out of reach of children.
- Keep children and pets away from the appliance when it is in operation or cooling down. The tangible parts of the device are hot.
- Children should not clean or carry out maintenance on the appliance.

GENERAL SAFETY INSTRUCTIONS

- A qualified professional can only replace the cables.
- This unit must be connected to the electricity network with a H05VV-F-type cable that resists the back panel temperature.
- Do not install the appliance behind the furniture door so that it does not overheat.
- Do not install the appliance on a cabinet.
- Do not use this machine with an external timer or remote control system.

WARNING! Cooking with grease or oil without supervision can be dangerous and may result in fire.

- Never attempt to extinguish fire with water. Switch the appliance off and then cover the flames for example with a lid or a fire blanket.
- **NOTE!** Food preparation should be monitored. Short-term food preparation must be monitored constantly.

WARNING! Fire hazard: Do not store anything above the hob.

- Do not use a high pressure cleaner for cleaning the appliance.
- Do not use scourers or sharp metal screws to clean the hobs glass hood or hinged glass hoods as they might scratch the surface, which may result in the glass breaking.
- Metal items such as knives, forks, spoons, and covers should not be placed on the cooktop as they may heat up.

WARNING! The appliance and the visible parts will heat up during operation. Be careful not to touch the oven heating resistors. Children under the age of eight should be kept away from the device unless they are constantly monitored.

- Always use oven gloves when handling accessories or oven vents.
- Disconnect the plug from the wall socket before starting maintenance.
- Before replacing the lamp, make sure the appliance is switched off. This will avoid a potential electric shock.
- If the power cord is damaged, the manufacturer, an authorized service center or a qualified person may only replace it in order to avoid an electric shock.
- Be careful when touching the storage box. It can heat up.
- Remove the support rails by first pulling the front part of the support rail and the removing the rear part of the side walls. Reattach the support rails by repeating the steps in reverse order.
- The power cut-off device must be integrated in permanent wiring according to the wiring rules.

WARNING! Only use cooktop covers, which are designed by a home appliance manufacturer. Using defective covers can lead to accidents.

SAFETY INSTRUCTIONS

USE

WARNING! Fire and personal injury hazards. Risk of electric shock.

- This appliance is intended for household use only.
- Do not change the technical features of the appliance.
- Make sure there are no obstructions in the ventilation openings.
- Don't leave the appliance unattended during operation.
- Turn the appliance off after each use.
- Open the appliance door with caution while the appliance is in operation. Hot air may come from the unit.
- Do not use the appliance with wet hands or when in contact with water.
- Do not use the appliance as a countertop or storage.
- Hot fats or oils can produce flammable vapors. Keep flames or hot objects away from fats and oils when using them for food preparation.
- These vapors, which are produced by hot fats or oils, can cause a fire.
- Used oil, which may contain residues of food, may cause a fire at a lower temperature than oil, which is being used for the first time.
- Do not place flammable objects or objects, which have been soaked in a flammable substance inside, near or on the appliance.
- Do not allow sparks or open fire to enter the appliance when opening the door.
- Open the appliance door with caution. Substances containing alcohol can easily develop a flammable mixture of alcohol and air.

- Prevent enamel damage or color changes:
- Do not place pans or other objects directly on the inside of the bottom of the appliance.
- Do not place water directly in the hot appliance.
- Do not store damp containers or dishes on the appliance after use.
- Be careful when removing or attaching accessories
- The color change of the enamel surfaces of the oven or the stainless steel do not affect the operation of the appliance.
- Do not keep hot cookware on the control panel.
- Do not let saucepans boil until dry.
- Do not allow items or kitchenware to fall on the appliance, the surface might be damaged.
- Do not switch the cooking zones on while the cookware is empty or if there is no cookware on the cooking zones.
- Do not place aluminum foil on top of the appliance or directly on the bottom of the inside of the appliance.
- Food should not be prepared directly on the cast iron cooktop. Food is to be prepared using appropriate cooking utensils.
- Cookware made out of cast iron or aluminum or ones that have a damaged base, can scratch the surface. Always lift cookware from the hob before moving it.
- This appliance is intended for cooking only. It must not be used for other purposes, such as heating the room.

TREATMENT AND CLEANING

WARNING! Risk of personal injury, fire or damage to the device

- Disconnect the appliance before maintenance. Disconnect the plug from the socket.
- Check that the appliance has cooled off. There is a risk that the glass panels may break.
- Immediately, replace defective door glass panels. Contact an authorized service center.
- Fat or food left in the appliance can cause a fire.
- Clean the appliance regularly to avoid damaging the surface material.
- Clean the unit with a damp, soft cloth. Use only mild detergents. Do not use abrasives, abrasive washers, solvents or metal objects.
- If you are using an oven cleansing solution, follow the safety instructions on the packaging.
- Do not clean the catalyst enamel (if present) with a detergent.

INTERIOR LIGHT

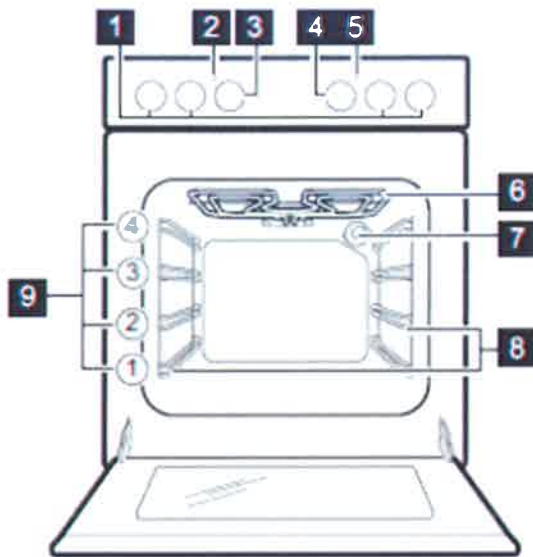
- Use only light bulbs or halogen lamps for household appliances. Do not use them to illuminate the room.
- Before replacing the lamp, the appliance must be disconnected from the socket.
- Use only lamps with the same characteristics

MAINTENANCE

- When the machine needs to be repaired, contact an authorized service center.
- Only use original spare parts.

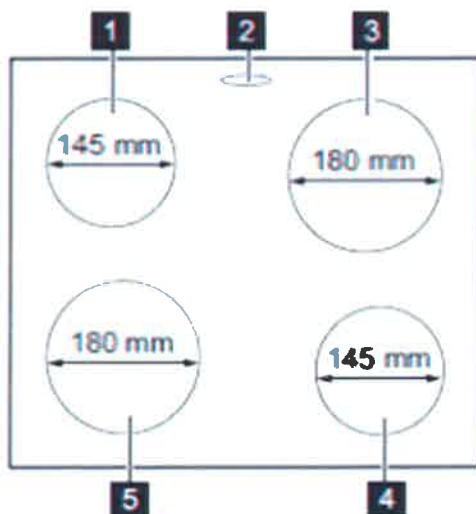
DESCRIPTION OF THE DEVICE

PARTS OF THE APPLIANCE



1. Cooker switches
2. Temperature indicator / symbol
3. Temperature selector
4. Knob for oven functions
5. Cooker level light / symbol
6. Heat insulation
7. Light
8. Detachable support rail
9. Support levels

COOKING ZONES



1. Cooking zone 1000 W
2. Steam opening – the number and location depends on the model
3. Cooking zone 1500 W
4. Cooking zone 1500 W
5. Cooking zone 2000 W

HOB – TREATMENT AND CLEANING

GENERAL INFORMATION

- Clean the hob after each use.
- Always check that the bottom of the container is clean.
- Scratches or dark spots on the surface do not affect the operation of the hob.

STAINLESS STEEL

- Clean the stainless steel parts with cleansing solution, which is meant for stainless steel.
- The stainless steel edges around the hot plates may stain slightly due to high temperature.
- Wash the stainless steel parts with water and dry them with a soft cloth








CLEANING THE ELECTRIC PLATE

1. Use a cleaning powder or a cleaning brush.
2. Clean the hob with a damp cloth using a little detergent.
3. Heat the hot plate to low heat and allow it to dry.
4. The hot plates can be kept in good condition by rubbing them regularly with sewing machine oil. Wipe the oil away with absorbent paper cloths.

CLEANING THE STOVETOP

To dean the stove fan, lift the stovetop upwards and pull it towards you. When putting the stovetop back in place, make sure that the lever on the wall hits the opening on the back of the stovetop. The stove top wont stand in place if they are not connected properly.

OVEN FUNCTIONS

| Symbol | Oven function | Intended use |
|-------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------|
| 0 | Switched off | The appliance has been switched off |
|  | Oven lamp | Lighting the lamp without turning the oven on |
|  | Upper and lower heat | Cooking or baking on one level |
|  | Light baking | Preparing special pasteries |
|  | Lower heat | Baking and preserving crispy cakes |
|  | Max grill | Grilling high quantities of food and roasting bread |
|  | Fast heating | Baking roasts on one level. Maximum temperature 210 degrees Celsius |
|  | Low heat | Slow cooking |

OVEN – CARE AND CLEANING

CLEANING

- Clean the front surfaces of the unit with warm water and a mild detergent using a soft cloth.
- Use a special cleaning solution for cleaning metal surfaces.
- Clean the appliance after each use. The accumulation of fat or other food can result in fire. The risk is greater when using a grill pan.
- Remove persistent stains with a special oven cleaner.
- Clean all accessories after use and allow them to dry. Use a soft cloth, warm water and a cleaning solution.
- If you are using unobtrusive equipment, do not clean them with strong detergents, sharp-edged objects or wash them in the dishwasher. Otherwise, the surface may be damaged.

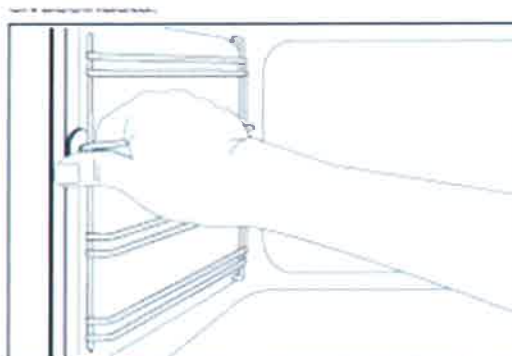
STAINLESS STEEL AND ALUMINUM SURFACES

Clean the oven door using only a damp cloth. Dry with a soft cloth. Do not use steel wool, acids or abrasives as they may damage the surface of the oven. Observe the same caution when cleaning the operator panel.

REMOVING THE BRACKETS

Clean the oven by removing the brackets.

1. Pull the front of the blade support bracket off the sidewall.
2. Remove the back of the blade support bracket from the wall and remove it.



2.

User Manual

**GETTING
STARTED?
EASY.**



ROSENLEW

SAFETY INSTRUCTIONS

USE

WARNING! Risk of personal injury, burns, electric shock or fire

- Do not change the technical features of the device.
- Do not place electrical appliances in the unit unless the manufacturer has authorized them.
- Make sure the cooling pipe is not damaged. It contains isobutene, which is environmentally compatible with natural gas. This gas is flammable.
- If the cooling pipe is damaged, make sure there are no open fires or ignition sources in the room. Make sure the room is ventilated.
- Do not allow hot objects to touch the plastic parts of the device.
- Do not place soft drinks in the freezer. Otherwise, pressure is generated in the beverage container.
- Do not store flammable gases or liquids in the appliance.
- Do not place any objects that are flammable or soaked with a flammable substance on top, inside or near the appliance.

TREATMENT AND CARE

- Disconnect the appliance and remove the plug from the socket before starting maintenance.
- The appliances cooling unit contains hydrocarbons. Only a qualified professional is allowed to service and re-fill the unit.
- Regularly check the outlet of the appliance and clean it if necessary. If the outlet is blocked, melted water will accumulate on the bottom of the appliance.

USE

Launching the device

- Plug the appliance into the socket. Turn the temperature control clockwise to the middle position

Switching the device off

- The appliance is turned off by turning the temperature controller to "0".

Temperature adjustment

**The temperature is adjusted automatically.
The device is used as follows:**

- Set the temperature higher by turning the temperature knob towards lower set points.
- Set the temperature lower by turning the temperature knob towards higher set points.

ATTENTION! The middle position is usually the best

Observe the following things when it comes to adjusting the temperature:

- The room temperature
- The opening frequency of the door
- The quantity of food that is stored
- The location of the device

ATTENTION! Do not use cleaning solutions, abrasives, chloride or oil based substances. They might damage the surfaces.

DAILY USE

Freezing fresh food

The freezer compartment is suitable for freezing fresh food and for long-term preservation of ready-made frozen foods. When you freeze fresh foods, you do not need to change the average setting. However, you can speed up the freezing process by turning the temperature controller to the lowest position.

Care and cleaning

Regular cleaning

The appliance must be cleaned regularly.

1. Clean the interior and the equipment with warm water and detergent.
2. Check the door seals regularly and wipe them clean.
3. Rinse and dry thoroughly.
4. If possible, clean the condenser and the compressor at the back of the appliance with a brush. This operation improves the performance of the device and saves energy.

Defrosting the freezer

ATTENTION! Never use sharp metal objects to remove frost from the evaporator, as this may damage it. Do not attempt to speed up the defrosting using mechanical or other tools that the manufacturer has not advised to use. The temperature of the frozen food rises during thawing and may shorten their safe storage time.

Set a lower temperature about 12 hours before the start of defrosting to freeze to make sure the frozen produce is as cold as possible and then store them in a cold place during the defrosting.

The freezer compartments and the upper compartments produce some frost. Defrost the freezer, when the thickness of the frost is about 3-5mm.

1. Disconnect the appliance or unplug the appliance.
2. Remove all food from the freezer, wrap them in thick paper and place them in a cool place.

WARNING! Do not touch frozen foods with wet hands. Hands might freeze to the food.

3. Leave the door open. To speed up thawing, place a container with warm water inside of the freezer. Also, remove ice cubes from the freezer during defrosting.
4. After the freezer compartment has melted, dry the inner surfaces well.
5. Turn the machine back on.

Place the frozen foods back in the freezer after 3 hours.

Defrosting the refrigerator

In normal operation, the frost automatically goes out of the refrigerator compartments steam generator when the compressor stops. Defrosting water is poured on the back of the appliance inside of the drawer on top of the compressor, from where it evaporates.

It is important to clean the defrosting water drainage hole in the middle of the refrigerator section channel regularly, so that the water does not overflow and drip on the food.

If the appliance is not used for a long time

If the appliance is not going to be used for a long time, do the following:

1. Disconnect the appliance from the mains.
2. Remove all food.
3. Defrost (if necessary) and clean the appliance and all its accessories.
4. Clean the appliance and all its accessories.
5. Leave the door closed to avoid unpleasant odors inside of the appliance.

VALLOX

Model
Vallox Capto PTC AC

Type
279844

Document
D3927

Valid from
1.1.2019

Updated
19.12.2018

Vallox **Capto** PTC AC

Manual



The Vallox Capto PTC AC control hood is suited to controlling AC roof fans and AC ventilation units.

The cooker hood is designed to be used above the cooker top, as a general extraction valve in the kitchen, and as a ventilation system control panel.

VENTILATION CONTROL

Apartment-specific ventilation units allows residents to adjust the ventilation efficiency. Ventilation is controlled based on the need e.g. through the cooker hood, ventilation control panel, or a separate control centre.



1. Away profile

The ventilation efficiency can be temporarily reduced when the apartment is unoccupied.



2. At home profile

Ventilation must be continuous, i.e. the air inside the building must be replaced at least once every two hours.



3. Boost profile

Cooking, sauna, bathing, drying of clothes, excessive heat, and other similar situations can require that ventilation be increased from the standard setting. In such a situation, ventilation must be increased.

It is recommended that ventilation be left turned on during long holidays also. This keeps the indoor air fresh and prevents humidity from condensing in the ventilation ducts and structures. It also reduces the risk of moisture damage.



PLEASE NOTE!

- Neglecting the cleaning of the grease filter can cause a fire hazard.
- The outer surfaces of the hood can become hot when the cooker or the oven is turned on.
- Flaming is forbidden underneath the cooker hood.
- Always follow the instructions provided on adjusting the efficiency of ventilation.
- Enable a sufficient supply airflow into the room if the cooker hood and non-electric devices are used simultaneously.

USING THE UNIT

The cooker hood has a sliding glass that can be pulled out of the cooker hood. It is recommended that the sliding glass be pushed or pulled from the aluminum strip on its front edge. Pull the glass out of the cooker hood for maximal extraction capacity.

Front panel buttons

The front panel of the cooker hood has four buttons.



Position of the damper

In normal circumstances, the damper must be closed (the signal light is off), which boosts the extract air flow from other premises.

The damper must be open (the signal light is turned on) when the user wants to increase the extract air flow from the cooker hood e.g.

- when the cooker top or the oven is used for cooking;
- the load in the kitchen is exceptional due to the use of strong detergents, presence of a large number of people, or similar.



Cooker hood light

Turn the light on or off by pressing the light switch. The light is dimmable. Adjust the brightness by pressing the light switch until the brightness is adequate.



Ventilation profiles

Select the profile by pressing the ventilation profile button repeatedly until the signal light indicates the desired ventilation profile.



Away profile



At home profile



Boost profile

Settings button

The settings button is roughly 2 cm to the left from the light switch.

Other functions

Guard function

The cooker hood is equipped with a guard function that is activated when the temperature of the cooker hood exceeds 60°C or after a sudden increase in temperature (> 8°C/min). In such a case, all signal lights of the cooker hood and the LED light will flash. If this kind of alarm is noticed before fire damage, it can be acknowledged by pressing any of the cooker hood buttons.

Pre-setting of light brightness

To modify the pre-setting of light brightness:

1. Turn on the light, close the damper, and set the ventilation to the Away profile.
2. Press the settings button for roughly 3 seconds until the setting mode signal light starts to flash.
3. Adjust the brightness of the light by pressing the light button until the brightness is adequate.
4. To save the setting, press the settings button for roughly 3 seconds until the setting mode signal light stops to flash.

To read about the other functions of the settings button, go to our website, www.vallox.com.



WARNING!

The unit is not intended for use by children under 8 or by persons with reduced sensory, physical or mental capabilities, or whose lack of knowledge and experience do not ensure safe operation of the unit. Such persons can use the unit under supervision, or by following the instructions of someone who is responsible for their safety. Do not let children play with the unit or to clean or maintain it without supervision.

MAINTENANCE

Keep the cooker hood clean. Wipe outer surfaces regularly with water containing a small amount of a mild detergent. Clean off any grease stains immediately. Do not use abrasive or corrosive detergents or tools.

Keep the grease filter clean to ensure an adequate extract air flow. The grease filter must be washed with warm water and detergent at least 1-2 times a month.

Light

The cooker hood has a long-lasting LED lighting module. If the light is not working, contact a servicing company.

Removing and mounting the grease filter



Removing the filter

Mounting the filter

- Pull the locking device of the grease filter towards the front edge of the cooker hood while pulling the grease filter downwards until it comes off.
- Wash the grease filter and leave to dry.
- Mount the grease filter back in place. Push the front edge of the filter into the pins on the cooker hood, and click the rear edge in place.

NOTE! Ensure that the locking device points downwards.

INSTALLATION

In the example, the bottom of the sides and the rear of the hood are level with the bottom of the top cabinets (see figures 1-2). In this case, a specially made cover panel is needed to hide the hood. The height of the cover panel is roughly 210 mm.

The hood can also be installed higher, even so that it touches the frame of the spice cabinet. In this case, rear corners need to be sawn off from the spice cabinet frame (see figure 3). In this mounting method, the height of the hood cover panel is 100 mm.

When the lowest possible mounting height is used, the bottom edge of the sliding glass, when pushed inside the hood, is level with the bottom of the top cabinet frames (see figure 4). The L strip is mounted on the wall as shown in figure 5. In this mounting method, the height of the hood cover panel is roughly 248 mm.

Figure 1.

Remove the spice cabinet. Mount the L strip on the wall so that it is level.

The L strip fully covers the gap between the hood and the wall and also makes it easier to balance the hood in place during mounting.

If the top cabinet frames are less than 305 mm deep, the longer edge of the L strip is mounted on the wall. The perforations on the lower surface of the L strip can be covered using white plastic studs.

Figure 2.

Place the hood on top of the L strip so that it is level and fasten the hood on the top cabinet frames with four screws. It is vital that the hood is both vertically and horizontally level. The front panel of the hood must be at the same depth as the outer surface of the top cabinet doors.

Figure 3.

If the highest possible mounting height is used, saw off diagonal pieces measuring at least 20x50 mm from the spice cabinet frame.

Figure 4.

The hood when the lowest possible mounting height is used.

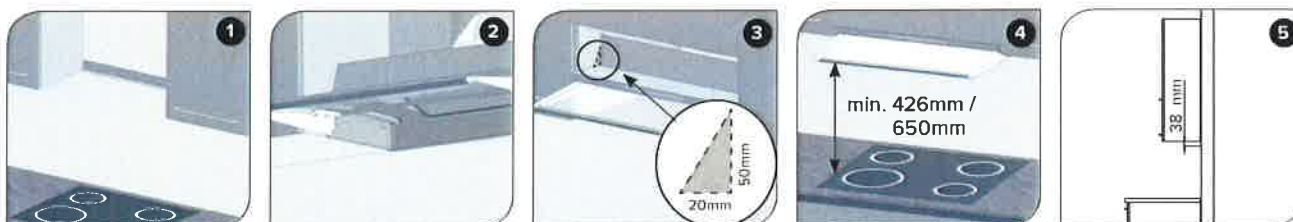


PLEASE NOTE!

The minimum distance of the bottom edge of the hood to an electric cooker is 426 mm and to a gas cooker 650 mm.

Figure 5.

Location of the L strip when the lowest hood mounting height is used.



PLEASE NOTE!

- The cooker hood must not be connected to a flue that is used for removing combustion gases (e.g. from a wood- or gas-burning fireplace, cooker, or stove).
- Fans that are controlled through the cooker hood must have an engine cover and their maximum power is 340 W.
- Regulations on leading extraction air outdoors must be observed.



PLEASE NOTE!

- The power outlet used for the cooker fan must be easy to access.

MAINTENANCE**UPOFLOOR SAFETY FLOORS**

Please use felt floor protectors on all furniture to prevent floors from being scratched and to keep them easy to care for.

For manual maintenance use mops which are intended for safety floors.

Do not use waxes or polishes as they will reduce floor slippery resistance properties.

Initial cleaning

After the flooring has been installed, all dirt and construction debris should be completely removed and floor swept clean. Remove loose dirt with a vacuum cleaner, mop or brush. Wash the floor with a single disc rotary machine.

Use medium hard cleaning brush or red pad with mild alkaline detergent, or if the floor is very dirty, alkaline detergent. Let detergent mixture stay couple of minutes before cleaning work. A clean, dry floor can be treated with maintainer if required, but it is important to understand possible negative influence on slippery resistance properties.

Routine maintenance

Remove loose dirt. Use dry and/or damp methods for maintenance cleaning.

It is advisable to alternate dry methods with damp methods to prevent dirt from becoming embedded in the floor. Use neutral or mild alkaline cleanser. Make sure that the floor surface is dried.

Remove stains, e.g. graphite stains, daily to prevent dirt from becoming embedded in the floor. Always use machine cleaning when the floor space and use allows this. This will ensure that floor stays cleaner. Use brushes or red pads in the machine. A clean, dry floor can be treated with maintainer if required, but it is important to understand possible negative influence on the slippery resistance properties.

Basic cleaning

Wash the floor with an alkaline or strong alkaline solution depending on how dirty the floor is. Follow the product manufacturer's guidelines. Use scrubber drier machine or a single disc machine with brushes or red pads.

Rinse the floor. A clean, dry floor can be treated with maintainer if required, but it is important to understand possible negative influence on slippery resistance properties.

5.

The logo for JELD-WEN Door Solutions is displayed within a thin blue rectangular border. The word "JELD-WEN" is in a large, bold, blue serif font. A light blue swoosh graphic is positioned behind the "D" and "W". Below "JELD-WEN", the words "DOOR SOLUTIONS" are written in a smaller, blue, all-caps sans-serif font. A registered trademark symbol (®) is located at the end of "WEN".

JELD-WEN
DOOR SOLUTIONS®

Care and maintenance instructions for interior doors

The painted and varnished surfaces of the interior doors and kernels, tolerate normal substances used in households such as water, soft drinks, alcohol, oils, fats and other nutrients well. However, prolonged exposure of surfaces to external agents must be avoided.

Cleaning doors

The surfaces are cleaned as soon as possible after fouling, so that they can be cleaned more effortlessly. Clammy or moist scrubbing with a cleaning cloth moistened with dishwashing liquid is usually sufficient. After the moist scrubbing, the door surface must be dried. Keep the duration of action of chemicals as short as possible. Remove the dye and water-insoluble stains with heavy naphtha or denatured spirit and finally wipe the area with a damp cloth. Severe stains, as well as traces of heat and moisture, can be carefully rubbed with a furniture wax.

Do not use:

- strong solvents (for example acetone and paint thinner), because they might soften the varnish and paint
- abrasive detergents and washing utensils (matt and semi-matt lacquered surfaces are most sensitive to abrasion)
- detergents containing ammonia
- strongly alkaline or acid cleansers

Avoid long-acting fluid effects, water use, hot objects and hot water. Avoid using waxes as their removal might cause difficulties. Also, note that uneven mechanical stress on the surface often results in an uneven gloss.

Maintenance of hinges, locks, gaskets and ferrules

Due to wood being a living substance, the tightness of the hinging screws should be checked within one year of the installation of the door.

The door locks are to be lubricated regularly, so they work properly. Various oils can be used for lubrication. The poles are lubricated on either side, the key cavity and the root of the possible torque.

The seals are mainly made of silicone or EPDM-rubber. The seals do not require special maintenance; regular cleaning when cleaning the door is sufficient. The seals should be checked regularly. If the seals are broken, they must be replaced.



MAINTENANCE OF THE POLARIA PRODUCTS

MIRROR CABINETS AND MIRROR CABINETS WITH LIGHT

Because Polaria mirror cabinets and mirror cabinets with light are made of powder-painted steel, cleaning with normal household detergents is sufficient. Never use scouring powders or liquids for cleaning, as they can damage the product's painted surface. Mirrors may be cleaned with glass cleaner. Check the mirror doors and the screws of the hinges every once and awhile. Don't let them loose and tighten the screws if needed.

IMPORTANT! Remember to test the residual current device. The instructions can be found next to the power socket.

Replacing the fluorescent lamp and starter

You can replace a failed fluorescent lamp and starter yourself without tools:

- Turn off the power supply to the light
- Carefully press the lower edge of the plastic cover upwards with your thumb, so that the edge comes out of its groove
- Remove the plastic cover
- Grasp the fluorescent lamp and pull it out of its holder
- Press the new fluorescent lamp into the holder until you hear a "click" indicating that the lamp is locked into place
- Push the lower edge of the light cover into the groove, press the upper edge carefully and push the cover into the upper groove

Note! Only a qualified electrician may repair faulty electrical equipment!

POWER SOCKET

Your POLARIA cabinet is equipped with a protected power socket which can also be used for the continuous charging of electrical devices. Electrical devices can be located outside the cabinet, in which case you can route the plug and cable into the cabinet between the mirror and cabinet frame. Loosen the screws on the mirror hinge and carefully move the mirror so that the cable can be routed through the gap. Then return the mirror to its original position and tighten the screws.

DO NOT TOUCH ELECTRICAL EQUIPMENT IF YOU ARE WET OR STANDING IN WATER!

MAINTENANCE OF THE BASIN

Clean the basins with a general-purpose neutral detergent and appropriate cleaning sponge or brush. Never use abrasive agents or equipment for cleaning the basins. Never allow the product to come into contact with acids, drain cleaners that contain ammonia, hair dyes, or chlorine. You can use, for example, the Clean & Shine bathroom cleaner and protector, available from hardware stores.

OTHER PRODUCTS (basin cabinet, cleaning and laundry cabinet, side and extra cabinet, medicine and first aid cabinet)

Products are made of powder-painted steel, cleaning with normal household detergents is sufficient. Never use scouring powders or liquids for cleaning, as they can damage the product's painted surface. Side and extra cabinet's mirrors may be cleaned with glass cleaner.

2 years warranty is provided for all POLARIA products

8.

KITCHEN

FURNITURE CARE AND MAINTENANCE INSTRUCTIONS

1. Painted, varnished and film-coated doors

When doors are stained, gently wipe the dirt away with a soft damp cloth. If the stain does not come off with only water, add a detergent to the cloth. Spray the detergent on a clean cleaning cloth or moisten the cloth with the detergent. Wipe the surface clean with a cloth soaked in clean water and then dry with a clean, dry cloth. Furniture doors can be cleaned, for example, with a neutral household cleaner. We recommend Kiilto-home cleaner. Do not use boiling water for cleaning. Use of abrasive agents and organic solvents is prohibited. The door may be damaged when in contact with hot parts, such as hot pots or frying pans.

The heat resistance of film-coated doors

Meets the requirements of furniture standards for SFS-standards, EN-standards and DIN-standards. Film-coated doors have a heat resistance of - 40 to + 80 degrees Celsius. Momentarily, even over 100 degrees Celsius. Furniture doors can be installed in cold rooms, if the temperature does not drop below - 40 degrees Celsius. It is advisable to check the outside temperature of the oven during installation. If the outside temperature rises over the furniture doors' limit, heat protection molding must be installed.

2. Maintenance and care instructions for melamine doors and frames

Frames, sides, bottom, roof, shelves and the plinth as well as the doors surface material is melamine. The back plates of the frames are painted. The sides of the bathroom furniture and the cupboards are moisture proof (not waterproof) melamine board. Cleaning should be carried out with water-soluble cleaning agents. Neutral dishwashing detergent (PH6-8) or a mildly alkaline detergent such as pine soap is dispensed in water and the cleaning is carried out with a cloth, which has been soaked in the solution. After cleaning with a basic detergent solution, the frames must be rinsed with a cloth, that has been soaked in clean water. After each cleaning process, the unit must be dried properly. Do not place coffee makers or water boilers so, that the water vapor rising from the appliances, is not exposed to the bottom of the cabinets. Do not open the dishwasher door immediately after the washing program has finished, as the heat and moisture can be absorbed into the work surface and doors, causing them to swell.

3. Maintenance instructions for laminate kitchen tops

The surface will withstand the use of chemicals that are meant for general cleaning. The level does not withstand abrasive cleaning agents and no heavy mechanical cleaning, such as steel wool. Cleaning is done the same way than with the materials mentioned above, but if the stain is difficult it can be removed with acetone by gently wiping. The surface should not be used as a cutting board. Hot pots or hot household appliances should not get in contact with the surface.

4. Cleaning sinks made out of stainless steel

Always clean the sink after use with a damp cloth or sponge. If necessary, use detergent that does not contain abrasive ingredients. Rinse the sink with water and then dry the sink with a dry cloth to avoid limestone streaks when the surface is drying. Do not use abrasive liquid, steel wool, rocks or other sharp objects that could scratch stainless steel surface. The sink can be stained if objects, that contain iron, such as steel wool, cast iron objects, nails or gravel, stand for a long time on a damp surface. The staining is then caused by foreign material. Clean and wipe the sink always longitudinally.

5. The drawers and other possible rails function can be improved

By treating the wheels or slides with liquid silicone.

6. Hinges

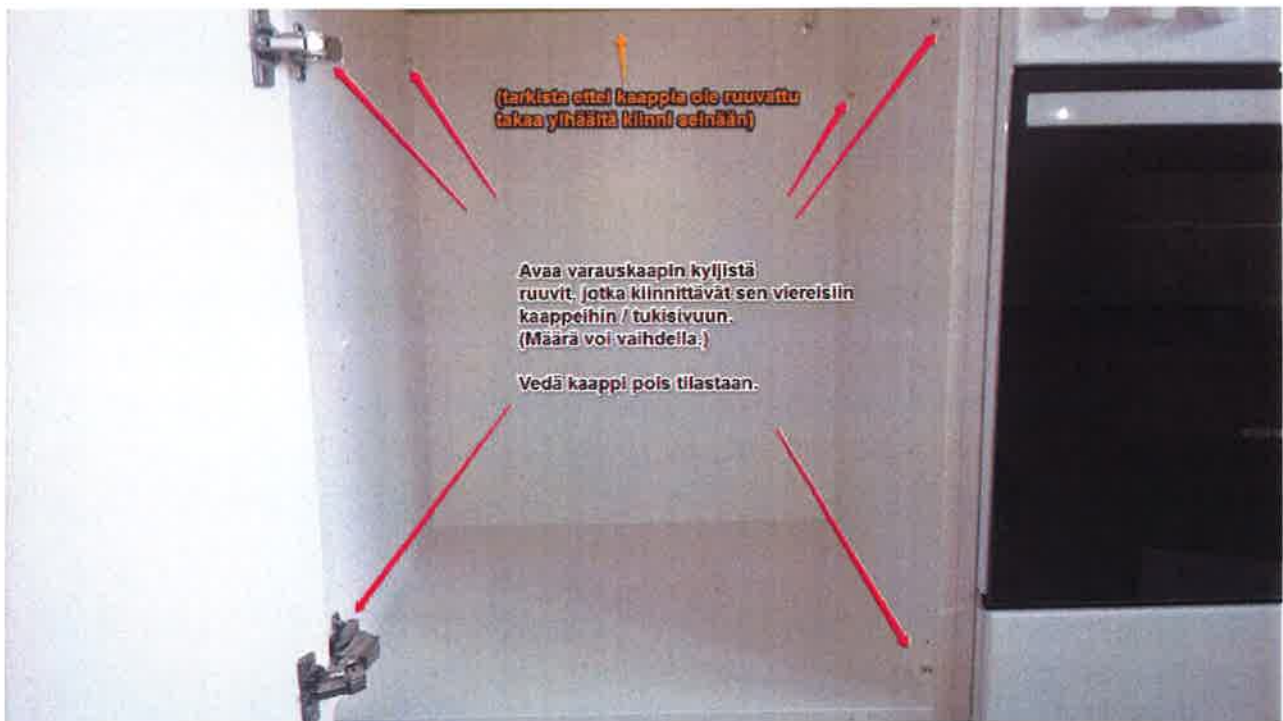
Do not need any special maintenance; it is enough to keep them clean and dry.

7. Adjustment of door and front brackets

Is carried out by using the adjusting screws. The screws must not be rotated beyond the control limit.

Removing the cabinet for the dishwasher

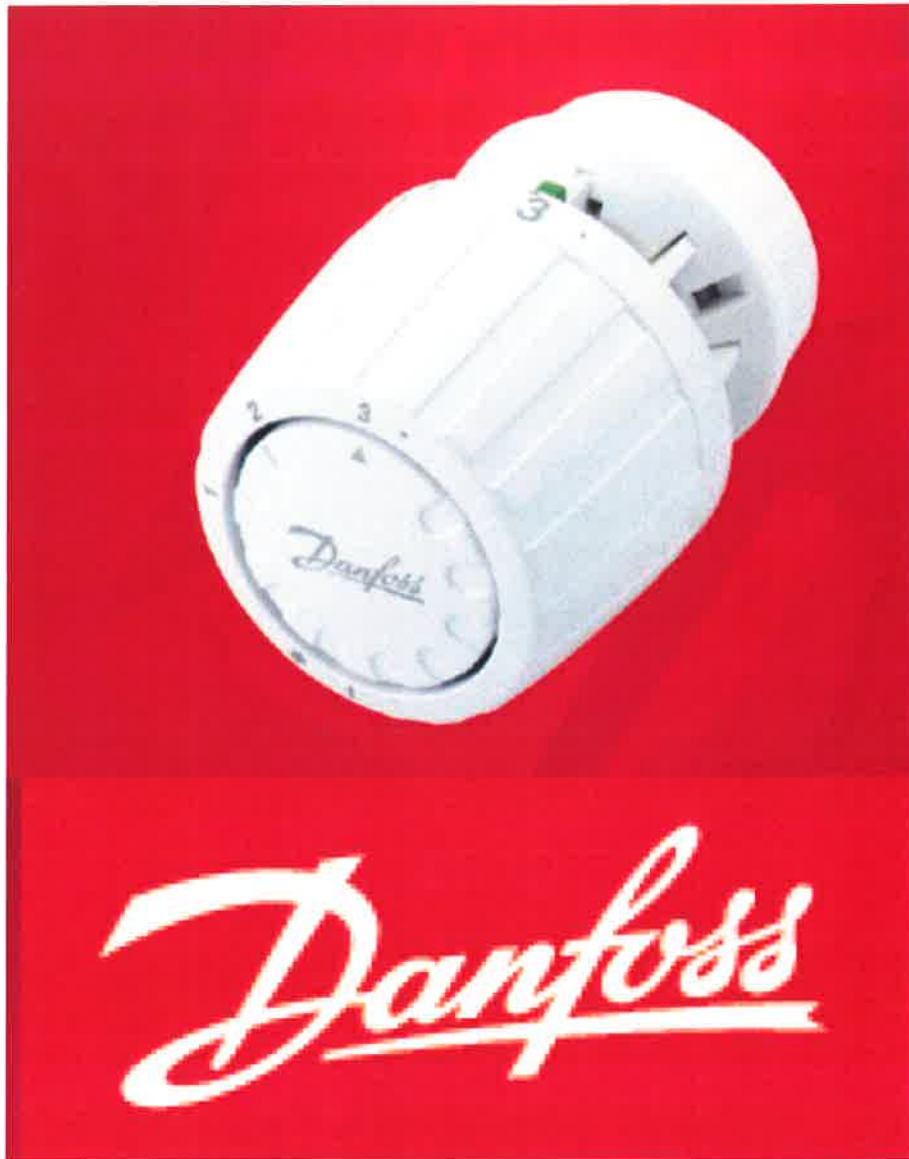
If you want to install a dishwasher, the cabinet must be dismantled. Below you will find instructions for unpacking the cabinet. The dishwasher must only be connected and disconnected by a professional. Also remember that the cabinet should be reinstalled in the event of removal.



1. Remove the cabinet door
2. Open the screws from the corners
3. Pull out the cabinet

9.

THERMOSTAT



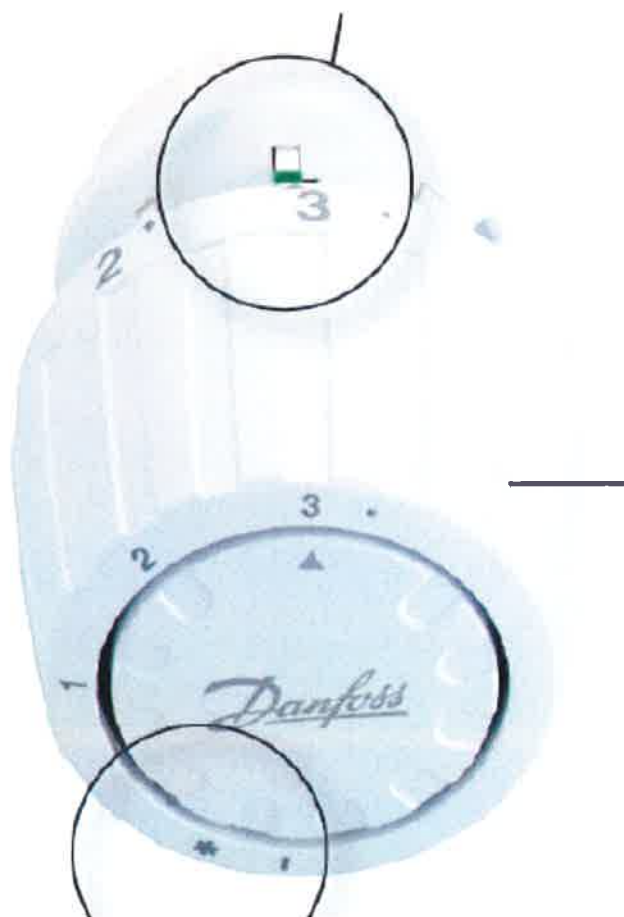
Temperature selection

When the temperature selector lever is rotated so that number 3 and the triangle icon are aligned, the room temperature is about 20 degrees Celsius.

Please note that the maximum temperature turns more than number 3.

The temperature selector dial is 3 degrees Celsius.

If the handle is later rotated down or up, the room temperature changes slowly in the desired direction.



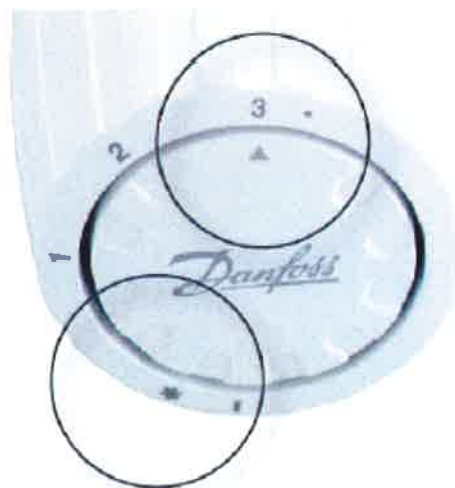
Ventilation

Turn the thermostat for the time of ventilation so that the triangle and sun icons are aligned. That way, you do not lose any heat. After ventilation, turn the thermostat back to the desired position.

If you want to lower the room temperature by night, turn the thermostat slightly to a lower temperature.

Frost protection

The sun icon is meant for frost protection. The thermostat opens when the room temperature goes below 8 degrees Celsius. This is useful, for example, when travelling for a longer period or the room does not need any heating.

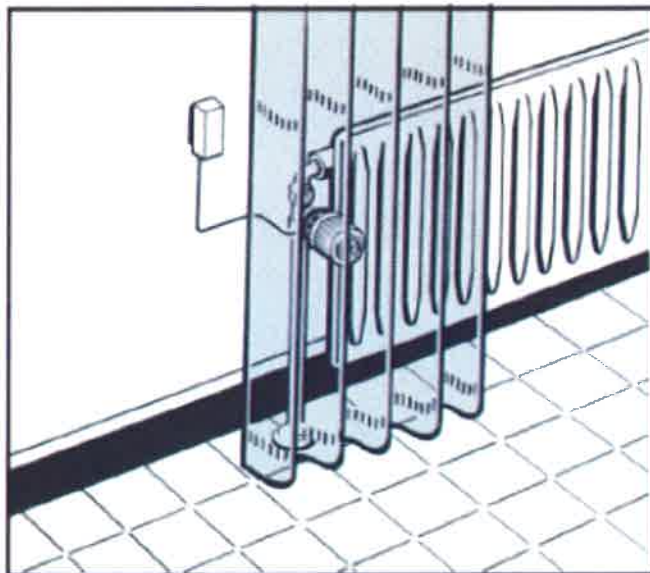


Do not cover the sensor

The thermostat adjusts the room temperature according to the temperature measured by the sensor. The sensor must not be covered with thick curtains, furniture or similar. A detonator is the right solution for concealed radiators.

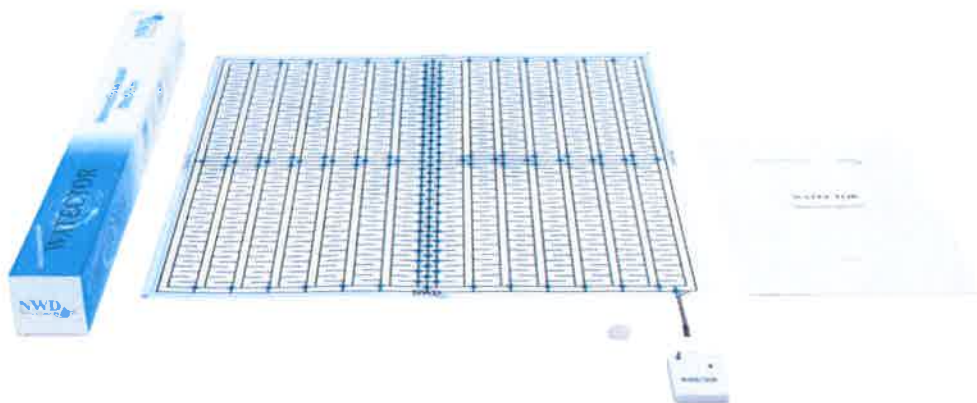
NB! When the room reaches the desired room temperature, the radiator starts to cool down: The thermostat works, as it should.

The thermostat uses extra heat from the sun, light and the stovetop and increases the comfort of the home.





Watector is an all-new solution that prevents water leakages



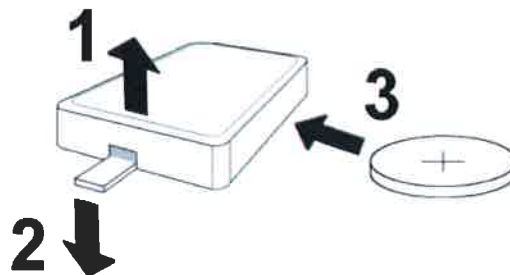
ALARM

If alarm unit alarms, check if there is water or moisture or objects on the sensor mat that could be the reason to start the alarm. If there is water on the sensor mat find out where it has come and start to check the reason of water leak.

If alarm is unnecessary push the RESET –button down for a five (5) seconds to stop the alarm and make sure that the sensor mat is dry and clean of any fingerprints and other stains.

BATTERY

Test the battery every now and then by pushing the RESET –button down, the LED-light starts to shine and alarm makes sound effect. If these do not happen change the battery. Change the battery every year for example same day when you change the battery for the fire alarm-unit.



12.

ABL ceramic tiles

General

The cleaning and care instructions cover the care and cleaning of ceramic tiles, natural stones, cement tiles and terracotta tiles.

When using cleaning and care products make sure that the manufacturer's operating and safety instructions are followed. Test the suitability on a small area in a corner, for example before use. In our cleaning and care instructions, we recommend Geal-products, which come directly from us.

The stress on the tiles in different areas should be evaluated and a surface cleaning and care plan should be done. The plan should include at least each individual material as well as their cleaning methods and the substances going to be used.

Follow the following principles of cleaning:

1. Choosing the right type of detergent
2. Sufficient effecting time
3. Mechanically brushing or rubbing helps the cleaning process.
4. Carefully scrubbing the dirt from the surface by washing or vacuuming.
5. Rinsing with clean water until any detergent residues have been removed.
6. Remove dirt often enough / quickly to avoid staining.
7. Cleaning cloths for shoes, entrance carpets lower the risk of staining the floor.

NOTE!

Never use cleaning agents containing hydrofluoric acid or its compounds (fluorides). They can damage ceramic tiles even when diluted with plenty of water.

The instructions given here are for cement based joints and fixings. For epoxy based joints, read the manufacturer's instructions.

The surface of some tiles may suffer from acidic or alkaline cleaning agents or scratch from abrasive cleaning agents. These can be, for example, decorative tiling, special staining or delicate glazing. Clean these surfaces with water and microfiber cloths.

When cleaning the micro-reinforced glazed or unfinished non-slip tile, make sure that the surface of the tile is not "sanded" slippery. Brushes or sponges containing abrasives should not be used. Use a soft brush when using a cleaning machine.



Glazed ceramic tiles

Tiles with a smooth surface

Daily cleaning and stain removal:

For regular cleaning, use CB90 neutral detergent (2-5% solution). For some thorough cleaning, you can use CB90 with 50% solution, Super Deterjet- detergent or Service Ceramik- detergent (for lime precipitation) as directed. Select the roughness of the washing device according to the amount of dirt. Rinse with water after thorough cleaning and remove the dirty water and the detergent residues.

Note before using:

When cleaning the micro-roughened glazed or unglazed non-slip tile, make sure that the surface of the tile is not "sanded" more slippery. Brushes or sponges containing abrasives should not be used. When using a cleaning device, a soft brush should be used.

Please check the suitability of the product and read the operating instructions carefully. Ask for further instructions if necessary. Test the suitability of the product on a small area, for example in a corner before use. Switch off floor heating on the previous day before use.

Check the suitability of products on surfaces, on which foods are handled.

Unglazed ceramic tiles

Smooth tiles

Daily cleaning and stain removal:

For regular cleaning, use CB90 neutral detergent (2-5% mixture). For thorough cleaning, use CB90 with 50% solution, Super Deterjet-detergent or Service Ceramic- detergent (for lime precipitation) as directed. Select the roughness of the cleaning device according to the amount of dirt. Rinse with water after thorough cleaning and remove the water and the detergent residues.

Polished tiles

Daily cleaning, stain removal, renewal of protection:

For regular cleaning, use CB90 neutral detergent (2-5% mixture). For thorough cleaning, use CB90 with 50% solution or alkaline power cleaner, Super Deterjet- detergent or acidic Service Ceramic-detergent (for lime precipitation) as directed. Select the roughness of the cleaning device according to the amount of dirt. Rinse the floor with water after cleaning. Remove excess water and detergent residues. After thorough cleaning, the floor protection process needs to be renewed. Use the Progres No-Lux products to restore the original protection power.

Rough tiles

Daily cleaning, stain removal, renewal of protection:

For regular cleaning, use CB90 neutral detergent (2-5% mixture). For thorough cleaning, use CB90 50% solution or alkaline cleaning detergent, Super Deterjet- detergent or acidic Service Ceramic-detergent (for lime precipitation) as directed. Select the roughness of the cleaning device according to the amount of dirt. Rinse the floor with water after thorough cleaning. Remove excess water and detergent residues. After thorough cleaning, the floor protection process needs to be renewed. Use the Beauty Gres product to restore the original protection power. Repeat the process twice on the dry tile.

NOTE BEFORE USE

When cleaning the micro-roughened glazed or unglazed non-slip tile, make sure that the surface of the tile is not "sanded" more slippery. Brushes or sponges containing abrasives should not be used. When using a cleaning device, a soft brush should be used.

Please check the suitability of the product and read the operating instructions carefully. Ask for further instructions if necessary. Test the suitability of the product on a small area, for example in a corner before use. Switch off floor heating on the previous day before use.

Check the suitability of products on surfaces, on which foods are handled.

13. Maintenance - WC

FI

Tavallisissa WC-istuimissa, hideissa ja pesualtaissa on kiiltävä pinta. Se on helppo pitää puhtaana, ja lisäksi pinta kestää hyvin tavallisia puhdistusaineita. Lika ei aiheuta ongelmia, kun puhdistat pinnat riittävän usein. Käytä tavallisia posliinipinnoille tarkoitettuja puhdistusaineita. Älä kuitenkaan puhdista näillä puhdistusaineilla huuhtelupainiketta vaan puhdista se lämpimällä vedellä ja saippualla tai pyyhi se puhdistusliinalla. Posliinin puhdistukseen tarkoitettujen puhdistusaineiden ei sovi kromatuille pinnoille/muovimateriaaleille, sillä ne voivat naarmuttaa huuhtelupainiketta. Älä käytä WC-istuimen puhdistamiseen hankaavia puhdistusvälineitä, kuten teräsvillaa tai hankaussientä. Älä myöskään käytä voimakshappoisia aineita, kuten suola- tai rikkihappoa tai vahvoja emäksisiä puhdistusaineita, kuten lipeää. Vuotavat hanat ja WC-istuiimet on korjattava välittömästi.

Jos talo on kylmällä talvikaan, tyhjennä ja kuivaa WC-istuimen huuhteusallio. Kaada vesilukkaan 3-4 dl pakkanestettä ja estä haihtuminen peittämällä veden pinta ruokafoljalla tai muovifoljalla. Asennetussa WC-kulhossa on noudatettava asennusmaan märkätilojen lattia- ja seinäpäivientäjä koskevia määräyksiä. Samalla suosittelemme käytettävissä LVI-asentajan palveluksia.

NO

Vanlige toaletter, bidéer og servanter har glaseret overflater. Glaseret overflater er lette å holde rene, og tåler de fleste kjemikalier. Ved hyppig rengjøring oppstår det aldri rengjøringsproblemer. Bruk vanlige rengjøringsmidler.

Unngå imidlertid rengjøringsmidlet på spyleknappen, bruk i stedet varmt vann og såpe og tørk av med en klut etterpå.

Delte er fordi rengjøringsmidler for porselen ikke er egnet for forkrummede detaljer/plastmaterialer, og kan forårsake sprekker i spyleknappen ved hyppig bruk.

Rengjøringsredskap som inneholder harde slipemidler, for eksempel stålull eller fibersvamp, må ikke brukes. Etende stoffer og sterke syrer, for eksempel saltsyre eller svovelsyre, og sterke alkalier som kaustisk soda bør ikke brukes. Kraner som drypper og toaletter som renner bør repareres snarest mulig.

I hus som står uoppvarmet om vinteren, må toalettets spylesisterner tømmes og tørkes. Hell 3-4 desiliter frostvæske i vannlåsen, og dekk vannspeilet med matolje eller plastfolie for å forhindre fordampning.

EE

WC-pottidel, bideedel ja valamutel on tavaliselt glasuupind. Glasuuri on kerge puhastada ja selline pind peab tavalistele kemikaalidele hästi vastu. Puhastage pindasid sageli, siis on puhastada kerge. Kasutage tavalist puhastusainet.

Puhastamiseks ei tohi kasutada kulutavaid (abrasiveid) vahendeid, nagu näiteks terasnuusikut või rohelist hõõrdekäsna. Kasutada ei tohi ka kangeid happeid, näiteks soohapet ja värvhapet, ja kangeid leeliseid, nagu näiteks seebikivi.

Tilkuvad kraanid ja WC-potid tuleb kiiresti parandada. Varuosaade hankimiseks või parandustööde tellimiseks pöörduge sanitaartehnika kauplusesse või sanitaartehnika ettevõtete poole. Andmeid nende kohta leiate telefoniraamatust (vt. alajaotust "Sanitaartehnilised tööd").

Kui hoone jääb talveks kütmata, tuleb seal paiknevatest WC-pottidest vesi välja lasta ja WC-potid kuivatada. Kallake haisulukku paar klaasitäit losooli ja kalke vedelikku pind loidulil kihiga või plastikilega, et vedelik ära ei aurustuks.

LV

Parastiem WC podiem, bidē un izlietnēm ir glazētās virsmas. Glazētās virsmas ir viegli uzturēt tīras un tās ir noturīgas pret dažādām saimniecības ķīmiskām vielām. Veiciet tīrīšanu biežāk un Jūs nekad nesaskarsities tīrīšanas problēmu. Izmantojiet parastos tīrīšanas līdzekļus. Neizmantojiet tīrīšanas rīkus, kuri paredzēti cietu virsmu slīpēšanai, piem., cietmetāla sarus, kas varētu bojāt virsmu.

Spēcīgas skābes, piem., sālskābi, sērskābi vai spēcīgas alkalidus, piem., kaučūka sodu. Tekošu krānu ar WC podus vajadzētu saremontējiet pēc iespējas ātrāk. Aprīkojuma labošanai izmantojiet santehnikas uzņēmumu vai veikalu pakalpojumus.

Tos Jūs atradīsiet tālruna katalogā "Dzeltenās lapas" rubrikā "Santehnikas darbi". Tualetes podu cisternas ir jāiztukšo un jāizslauka, ja telpas ziemas laikā tiek atstātas bez apkures. Ielejiet 30 vai 40 gr. pretizsālšanas šķidrums sifonā un pārklājiet ūdens virsmu ar pārtikas eļļu vai foliju, lai izvairītos no aizsprostojuma.

SE

Vanliga WC-stolar, bidéer och tvättställ har en glaserad yta. Glaserade ytor är lätta att hålla rena och är beständiga mot de flesta kemikalier.

Gör rent ofta så uppstår aldrig rengöringsproblem. Använd vanliga rengöringsmedel avsedda för porslin.

Undvik dock dessa rengöringsmedel till spolknappen utan använd här istället varmvatten och tvål samt eftertorka med trasa. Detta på grund av att rengöringsmedel till porslin inte är avsett för kromade detaljer/plastmaterial och kan därmed riskera spräcka spolknappen vid flitig användning.

Rengöringsredskap, som innehåller hårda slipmedel, såsom stålull och fibersvamp, skall inte användas. Starka syror, t. ex. saltsyra och svavelsyra och starka alkalier, t. ex. kaustiksoda bör inte användas. Droppande kranar och rinnande WC-stolar bör snarast reparerar.

I hus som står ouppvämt vintertid skall WC-stolens spolcistern tömmas och torkas torr. Häll 3-4 deciliter frostskyddsvätska i vattenlåset och läck vattenspeglén med matolja eller plastfolie för att förhindra avdunstning.

GB

Normal WC units, bidets and wash basins have a glazed surface. Glazed surfaces are easy to keep clean and are resistant against most chemicals. Clean regularly to prevent cleaning problems. Use normal cleaning agents.

"Clean regularly to prevent cleaning problems. However, avoid using cleaning agents on the flush button, instead, use hot water and soap and wipe dry with a cloth".

This is because cleaning agents for porcelain are not intended for chrome parts/plastics and can risk cracking the flush button if used frequently.

Cleaning utensils, which contain abrasive agents, such as wire wool and green scouring pads, must not be used. Strong acids, e.g. hydrochloric acid and sulphuric acid and strong alkalines, e.g. caustic soda should not be used. Dripping taps and running WC units must be repaired immediately.

In houses that are unheated during the winter, the WC unit's flush cistern must be drained and dried out. Pour 3-4 decilitres of anti-freeze into the water trap and cover the water mirror with cooking oil or cling film to prevent evaporation.

LT

Įprasti wc puodai, bidė ir praustuvi turi glazūros paviršių. Glazūruotas paviršius lengva prižiūrėti, ir jie yra atsparūs daugumai chemikalų. Dažnai valant niekada neiškilis valymo sunkumų. Naudokite įprastas valymo priemones.

Draudžiama naudoti tokias valymo priemones, kurios braižo paviršių, pavyzdžiui, plieninius šveitiklius bei plaušines kempines. Nereikėtų naudoti stiprių rūgščių, pvz., druskos bei sieros rūgšties ir stiprių šarmių, pvz., natrio hidroksido. Lašančių čiaupus bei pratekančius unitazus būtina kuo greičiau taisyti.

Darydami remontą arba pirkdami atsargines dalis pasiklaukite šildymo įrangos bei santehnikos įmonių arba parduotuvių.

Jei namas žiemos metu nėra šildomas, reikia iš WC puodo bakelio išleisti vandenį ir vidų sausai išdžiuoti. Į hidraulinį užtvartą reikia įpilti 0,3-0,4 litro nuo užšalimo apsaugančio skysčio, o vandens lygis turi būti uždengtas maistiniu aliejumi arba skaidria folija, kad negarintų.

Cleaning the faucet

CZ Čištění baterie

DE Reinigung der Armatur

DK Rengøring af armaturet

EE Puhastamine

ES Limpieza de la grifería

FI Puhdistus

FR Nettoyage du robinet

IT Pulizia della rubinetteria

LT Maišytuvo valymas

LV Krāna tīrīšana

NL Reinigen van de kraan

NO Rengjøring av kranen

PL Czyszczenie baterii

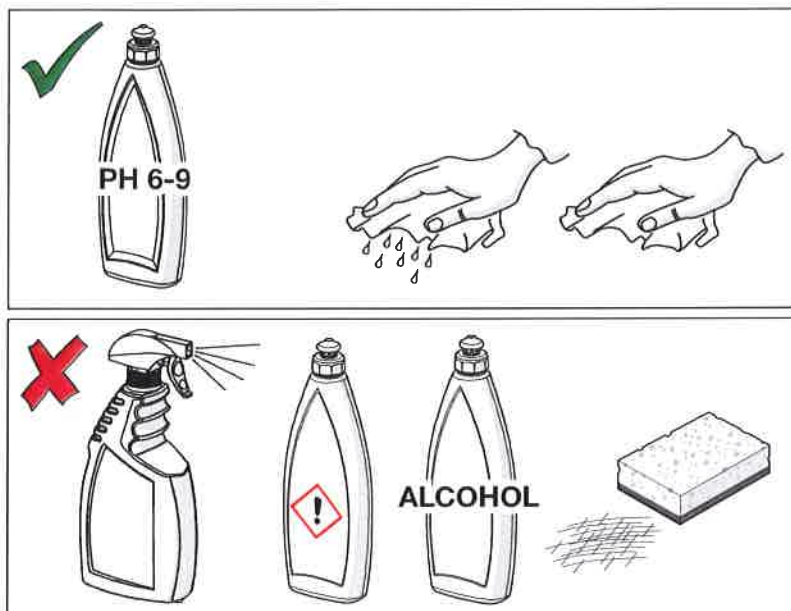
RO Curățire

RU Чистка смесителя

SE Rengöring av blandarna

SK Čistenie vodovodnej batérie

UA Чищення змішувача



Cleaning/changing the aerator

CZ Čištění/Výměna perlátoru

DE Reinigung/Wechseln des Luftsprudlers

DK Rensning/Udskiftning af perlator

EE Õhusti puhastamine/vahetamine

ES Limpieza/Cambiar el aireador

FI Poresuuttimen puhdistaminen/vaihtaminen

FR Nettoyage/Changement de l'aérateur

IT Pulizia/Sostituzione dell'aeratore

LT Aeratoriaus valymas ir pakeitimas

LV Aeratora tīrīšana/maiņa

NL Reinigen/veranderen van de perlator

NO Rensing/Bytting av strålesamler

PL Czyszczenie/Wymiana perlatora

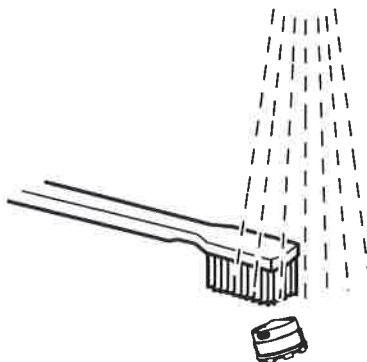
RO Curățirea/Înlocuirea aeratorului

RU Очистка и замена аэратора

SE Rengöring/Byte av strålsamlare

SK Čistenie/Výměna perlátora

UA Чищення та заміна аератора



15.

Cleaning the water lock

If you start smelling sewer odor near the sink, it is usually a sign, that the water lock should be cleaned. Another sign is, when the sink does not discharge water normally, the discharge takes longer than usual. If one is experiencing either one issue mentioned above, cleaning the sink water lock is usually the solution.

The necessary tools

For the cleaning process protective gloves (rubber kitchen gloves), a bucket and possibly an old towel or paper towels to clean up the splatters are required. An old dish- or bottlebrush can be used for cleaning the pipes. A disinfecting cleansing solution is usually used when cleaning the water lock.

Removing the water lock

The water lock of the bathroom or kitchen sink is usually attached at two points; on the top and on the side, (the slop enters the water lock through the top joint .

The water lock of the washbasin or the kitchen sink is usually attached at two points; on the top and on the side (the slop enters the water lock through the top joint and the slop exits through the side joint). When the water lock is removed, the side joint is detached first aka the waste pipe. When detaching the waste pipe, some slop might drip out, so a protective bucket should be placed under the water lock before this step. Next, the top joint is detached and the water lock is pulled down in a controlled matter. The water inside of the trap is poured into the bucket or the toilet. If there is a lot of hair inside of the trap, they should be put in the trash.

Things to note when emptying and cleaning the water lock

The detached water lock can be cleaned easily for example in a bucket. that is halfway filled with water. An old dish- or bottlebrush can be used for help. If the inner surface of the water lock looks very dirty, a disinfecting cleansing solution can be used (typically chloride).

When cleaning the water lock, the pipe entering the drain pipe should also be opened and cleaned (the discharge pipe of the wash-basin) as well as the discharge pipe of the water lock. Particularly the discharge pipe of the washbasin should be cleaned for example with a bottlebrush (if the structure of the washbasin and the discharge pipe allows doing so).

After the water lock and the pipes connected with the slop are cleaned, can the water lock be connected back to its place. Before attaching, the condition of the seals of the water lock and the discharge pipe should be checked; worn out seals can easily be replaced after the cleaning. When the protective cap and the water lock are reattached, drain water for a couple of minutes to make sure the joints hold.

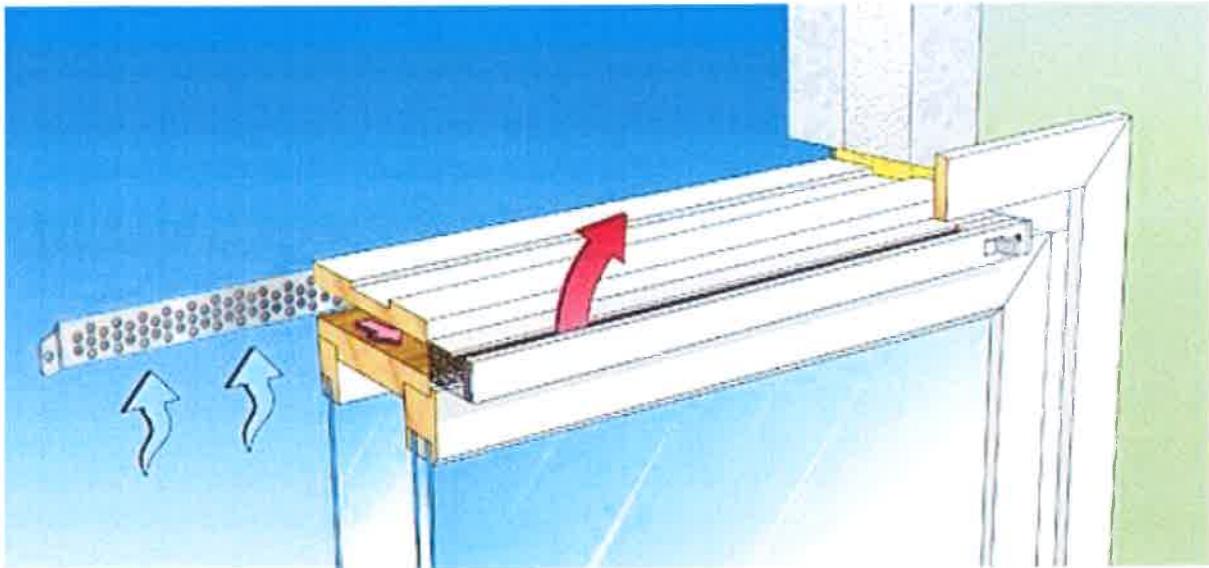
Clean also the overflow channel of the washbasin

Cleaning the water lock is not always enough to remove the unpleasant odors. If this is the case, the washbasin aka the overflow channel should also be cleaned. It is a channel, which tries to prevent the overflow of a fully filled washbasin (it is typically the small hole, which is on the top part of the washbasin).

This channel can be cleaned with a flexible bottlebrush from the top and the bottom. Alternatively, the discharge opening of the channel (the bottom opening) can be clogged temporarily, and the channel can be filled with a cleansing solution (or an odor neutralizing mixture), after which the clog can be removed and the channel rinsed clean. Whatever cleaning method is used, one should make sure, that the method used does not damage the surface of the washbasin. Additionally, the functionality of the channel should be tested after the cleaning is complete.

16.

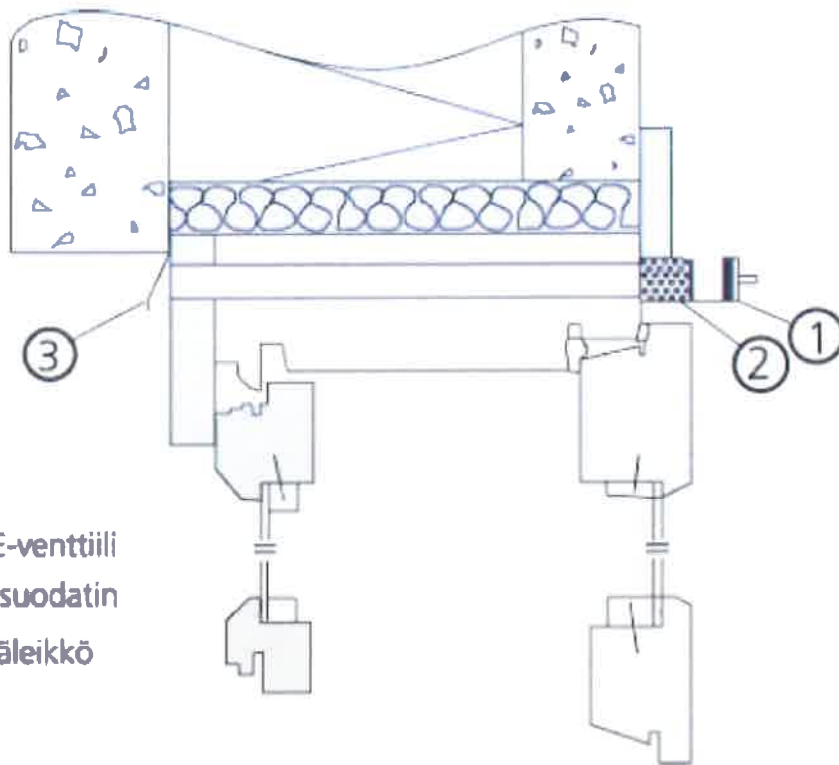
BIOBE VS fresh air ventilator



Biobe VS is a fresh air ventilator that can be placed into the slot milled to the window frame or into slot between frame and wall construction. Biobe is suitable both for new construction and renovation. Using Biobe VS fresh air ventilators the incoming air will flow as controlled into the room both in the gravity and the mechanical ventilation and the amount of fresh air can be guaranteed. Incoming air can be calculated as per room and department.

The filtering unit decreases the pollutants from incoming air. Pointing the flow gap upwards the fresh air mixes into the warm inside air up in the room and reduces the feeling of draught.

The complete VS frame ventilator set includes ventilator (V), filter unit (S) and canopy with insect net (B) or without net (U).



- 1. BIOBE-venttiili
- 2. Ilmansuodatin
- 3. ulkosäleikkö









- 1. Biobe ventilator
- 2. Filter
- 3. Canopy

Structure

Ventilator, filter body and canopy are made of weatherproofed aluminum and filtering material is polyester net. There is no cold bridge between the canopy and the ventilator, which decreases the risk of freezing during cold temperatures.

Instructions for use

Biobe VS ventilator is installed upon a fresh air channel milled in the window frame. Biobe ventilator is turned off when both switches are pointing toward center and on when they're turned toward outer edges. Half position is on when either of switches is turned to center point and other to the outer edge. No matter which ones.

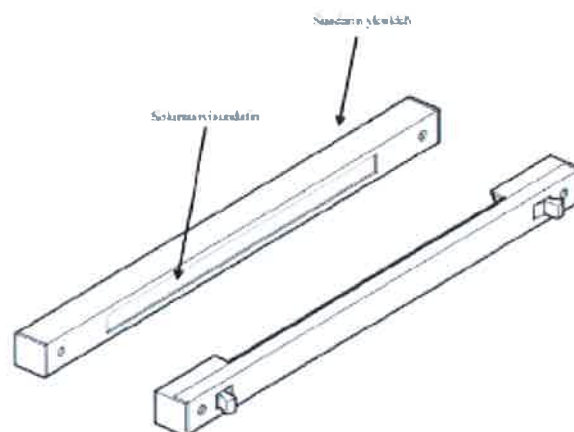
| | | |
|-----------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|
|  | ventilator opened |  |
|  | ventilator closed |  |
|  | ventilator half opened |  |
|  | ventilator half opened |  |

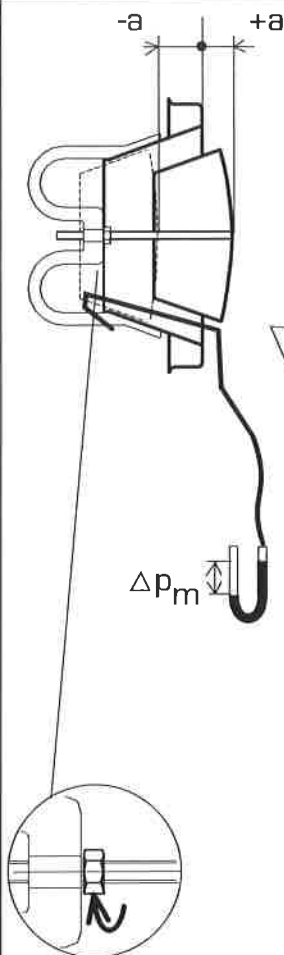
Biobe filter should be cleaned at least twice a year. The ventilator and filter unit can be removed by unscrewing two fixing screws. The plastic filter unit can be cleaned with mild soap water. Notice that the silencer should not be removed for cleaning. The air channels should only be cleaned with the vacuum cleaner.

For securing ventilation the ventilator should be kept at least half-open, which avoids uncontrolled draught from underneath the door, mail slot, etc.

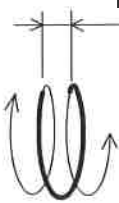
The moisture created by respiration, cooking and washing creates a favourable environment for harmful microbes and molds. Also if circulation of compensation air is insufficient odours may transfer from apartment to another.

Filter unit with foamed plastic filter:



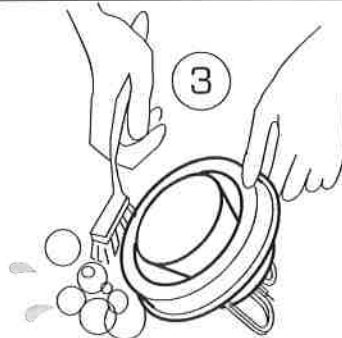
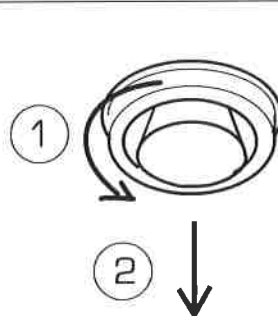
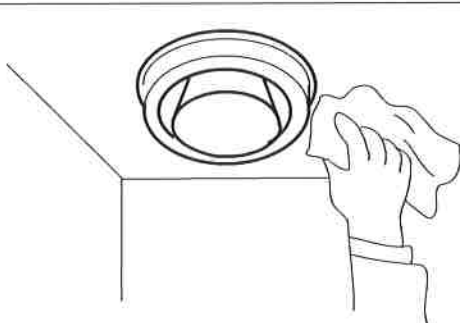
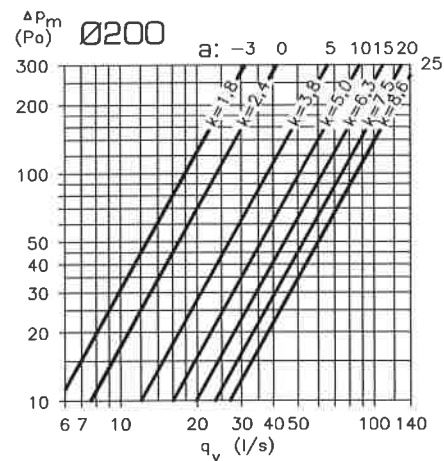
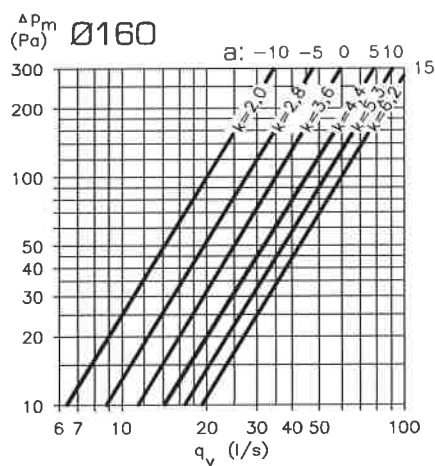
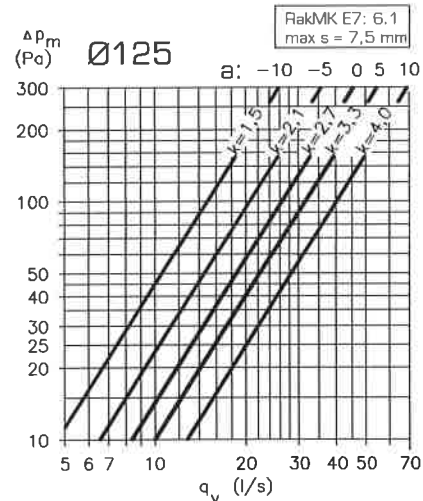
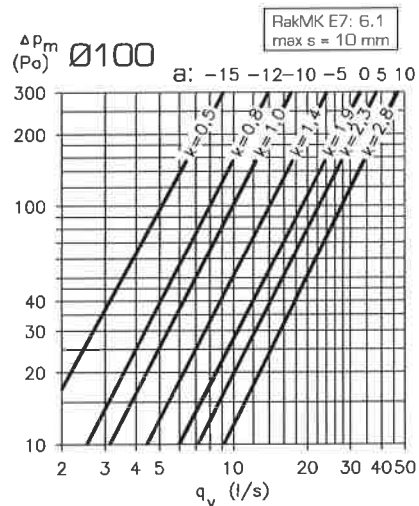
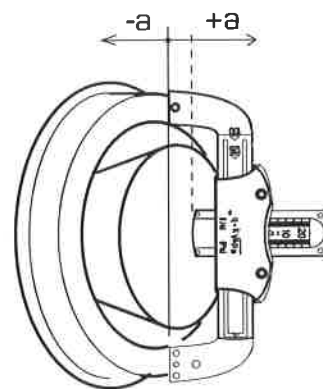


1 mm (KSO-100..125)
1,25 mm (KSO-160...200)



$$q_v = k \sqrt{\Delta p_m}$$

(l/s) (Pa)



18.

Floor drain cleaning

The floor drain needs to be cleaned at least once a year. The drain may start to smell if it is dirty or dried out. A foul odor may be a sign of trap displacement or gasket damage. Cleaning is advised when the water flow has slowed down or the drain smells. Remove the grating off the floor drain. Separate the trap from the floor drain by lifting the blue handle. Wash the trap and the floor drain thoroughly; rinse both. The trap may be stuck if it has been unmoved for a long time. The black flow regulator of the side inlets is also removable for cleaning. After cleaning, please check if the trap's grey lip seal is in place and wet it for example with soapy water. Install the trap into position in the floor drain and press it down carefully into place. Press the grating back down into place as well.



Our responsibility chart clarifies who is responsible for repairs and maintenance. The tenant must always notify Hoas of any faults in the apartment. The tenant is required to maintain the apartment carefully. Any costs caused by carelessness, improper handling or negligence will be charged to the tenant according to the tenant charge sheet.

| Responsibility | | Additional instructions |
|--------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------|
| FIRE ALARMS | | |
| Purchasing and maintaining a fire alarm | Tenant | |
| Maintaining, repairing and replacing a mains-powered fire alarm system (tenant must check that it is operational) | Hoas | If you are not sure which kind of system is used in the property, you can find out in hoas.fi |
| FIXED APPLIANCES, EQUIPMENT AND FIXTURES IN THE APARTMENT | | |
| Changing light bulbs; also the bulbs in the refrigerator, oven and range hood | Tenant | |
| Fuses in the apartment fuse box: changing blown fuses / resetting an automatic fuse back to working state | Tenant | |
| Testing the RCD / switching it back to working position | Tenant | For instructions, see e.g. Hoas.fi |
| Defrosting the freezer and cleaning the defrosting drain hole in the refrigerator | Tenant | Do not use a knife or other sharp object when defrosting the freezer |
| Purchasing an antenna cable or internet cable | Tenant | Internet cable needs to be an RJ-45 ethernet cable |
| Apartment lights and terminal block / ceiling connection box hook | Tenant | If any parts of the connection box are missing when moving in, the tenant must notify Hoas |
| Repairing and replacing light switches, power sockets, network sockets, TV aerial and phone sockets | Hoas | |
| Repairing or replacing the fixed appliances, furniture or equipment in the apartment | Hoas | |
| HEATING | | |
| Measuring the temperature in the apartment | Tenant | The temperature should be 20 degrees or higher in the living area |
| Repairing or replacing radiators or their parts, and purging air out of radiators. | Hoas | |
| VENTILATION | | |
| Cleaning the range hood grease filter | Tenant | For instructions, see e.g. Hoas.fi |
| Cleaning the exhaust and fresh air vents | Tenant | For instructions, see e.g. Hoas.fi |
| Repairing and replacing the exhaust and fresh air vents and filters | Hoas | Never block the air vents or close them entirely under any circumstances! |
| BATHROOM FIXTURES AND DRAINS | | |
| Cleaning the bathroom sink drain trap and the floor drain | Tenant | For instructions, see e.g. Hoas.fi |
| Cleaning the kitchen sink drain trap | Tenant | In the kitchen, using liquid drain cleaner is enough; you do not need to dismantle the drain trap. |
| Unblocking a clogged drain, if cleaning the drain trap and/or the floor drain is not sufficient | Hoas | If the tenant could have unclogged the drain (hair in the floor drain etc.), the maintenance visit will be charged from the tenant |
| Installation of a washing machine or dishwasher | Tenant | To use a washing machine, you must have home insurance |
| Plugging the washing machine water inlet and outlet pipes | Tenant | If the plugs left for the tenant do not fit, the tenant must find plugs that do fit |
| Purchasing the plugs for sinks and bathtubs | Tenant | If there are no plugs when you move in, let Hoas know |
| Fixing and replacing bathroom fixtures, like the sink | Hoas | Any unintentional damage caused by the tenant will be charged according to the tenant charge sheet |
| WINDOWS AND DOORS | | |
| Installing shades or Venetian blinds | Tenant | Must be left in place when moving out |
| Adding the tenants' names to the front door of the apartment | Tenant | Must be removed when moving out |
| Installing a peephole or safety chain in the apartment front door | Tenant | Must be left in place when moving out |
| Repairing or replacing window or door frames, insulation or glass panes | Hoas | |
| KEYS AND LOCKS | | |
| Installing a security lock | Tenant | Only with Hoas' permission and according to instructions |
| Repairing a lock and recoding a lock | Hoas | Will be charged from the tenant if necessary |
| SURFACES | | |
| Painting the apartment and repairing/replacing the flooring material | Hoas | The tenant must never make structural or any other kind of changes to the apartment without permission from Hoas |
| OUTDOOR AREAS | | |
| Removing snow from stairs/paths that lead only to the tenant's apartment | Tenant | |

Onko asunnossasi tai kiinteistöllä jotain mikä vaatii korjausta?

Teethän asuntoa, kiinteistöä ja piha-alueita koskevat vikailmoitukset internet-sivujemme kautta sähköisellä vikailmoituslomakkeella.

Vikailmoituslomakkeella saamme tarkan kuvauksen viasta tehokkaasti ja tarkasti kiinteistöhuoltoon asti sekä asukkaan suostumuksen asunnossa käyntiin. Vikailmoituslomakkeella voit myös määritellä sen, saako asunnossa käydä yleisavaimella, sekä ilmoittaa asunnossa mahdollisesti olevista lemmikkieläimistä. Näistä syistä emme ota vikailmoituksia vastaan puhelimitse tai sähköpostitse.

Jos haluat liittää vikailmoitukseesi valokuvia, voit toimittaa ne sähköpostitse osoitteeseen huolto@hoas.fi. Valitettavasti tällä hetkellä vikailmoitukseen ei voi suoraan liittää valokuvia.

Lisätietoa asunnon ylläpidosta ja asukkaan vastuista löydät nettisivuiltamme hoas.fi, oma koti kuntoon osiosta.

Is there something that needs to be repaired in your apartment or the property

You can submit fault reports concerning your apartment, the property and the outdoor areas via the fault report form on the Hoas website. Through the fault report form, a detailed description of the fault is passed efficiently and accurately all the way to the property maintenance company, along with the tenant's permission for the maintenance staff to enter the apartment. On the form you can also specify whether they may use the master key to enter and inform us of any pets that may be in the apartment. For these reasons, we do not accept fault reports over the phone or via email.

If you want to send photos of the faults please mail them to maintenance@hoas.fi. Unfortunately it is not possible to attach photos to the fault report.

For more information about maintaining the apartment and responsibility of tenant you can find from our webpage hoas.fi, taking care of your home - section.

Maintaining the apartment - cleaning

As a tenant it is your responsibility to carefully maintain the apartment. You can check the further instructions below. If you are uncertain of how to do specific things e.g. clean kitchen range hood filter or defrost the freezer you can find instructions from Hoas web page among others at

www.hoas.fi/en/tenants/#taking-care-of-your-home

Remember as a part of your daily life

- ☒ Clean the hob and kitchen surfaces and wash the dishes after cooking, especially in a shared apartment
- ☒ Take the bins out when necessary – never store full bin bags in the apartment
- ☒ If you don't want junk mail add "ei mainoksia" (no ads) sticker on your apartment's door
- ☒ Dry the bathroom floor (and walls) after taking a shower and remove hairs from floor drain strainer

Weekly cleaning (do at least every second week)

- ☒ Put the knick-knacks where they belong
- ☒ Dust and remove stains and grime, clean light switches and doors if necessary
- ☒ Wipe the kitchen counters, hob, sink, taps and tiles if needed – remove possible stains from the cupboard doors and walls
- ☒ Hoover and wash the floors, do not use too much water to wash the floors
- ☒ Wash the toilet seat, sink and taps
- ☒ If there are grime gathering to bathroom walls or floors wash them carefully before any limescale forms to the surfaces

Annual cleaning (1-2 times per year)

- ☒ Clean the windows (when outside temperature is above 0 degrees)
- ☒ Clean the air vents
- ☒ Clean the grime from surfaces that are often touched (light switches, door handles)
- ☒ Dust the spots that are harder to reach – behind the radiator, from top of high closets etc.

Kitchen

- ☒ Clean the refrigerator and defrost and clean the freezer
- ☒ Clean the oven, hob and trays thoroughly
- ☒ Empty the cupboards and clean them, clean also the cupboard doors
- ☒ Clean the kitchen range hood filter and the range hood itself

Bathroom

- ☒ Wash the bathroom walls, floors and seaming carefully – if necessary use a brush and chlorite
- ☒ Remove the chalk
- ☒ Clean the floor drain
- ☒ Clean the sink's water trap
- ☒ If needed wipe the bathroom ceiling