WaterStillar Wall



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1. Usage

1.1 General

Read this manual thoroughly before installation and start using WaterStillar Wall.

Safety precautions

Installation, initial activation may only be performed by an authorised plumber, who will be responsible for compliance with applicable standards and installation regulations. We accept no responsibility for damage caused by not complying with the local safety regulations.

IMPORTANT: Switch off the power before touching anything and be careful not to burn yourself on the hot steam generator.

Flood and frost risk

If the WaterStillar Wall is mounted in a holiday home or in a year-round house, where you have been away for an extended period, the water heater and pipe installation are best protected against frost damage by emptying the total water installation for water. If there is no risk of frost, it will be sufficient to close the main tap to the water supply, where the water enters the building.

Control of WaterStillar Wall

The PCB control in WaterStillar Wall allows the user to adjustment parameters through WiFi connection.

If the user does not use this feature, WaterStillar Wall must be turned on / off externally and can therefore possibly be connected to a remote control which enables on / off without having to physically be present. AquaDania disclaims any responsibility for any problems arising from external control of WaterStillar Wall.

Starting WaterStillar Wall

When the installations are completed properly, the unit must be filled with water and then connected to electricity. Not the other way round. Look for any leaks and tighten fittings if necessary.

Legionella and other bacteria

The risk of legionella in the bathing water and drinking water from WaterStillar Wall does not exist. Factory settings of bathing water temperature is set to 55C and the drinking water tank is full of 100C hot steam, not allowing any bacteria/viruses to live. The bathing water should always be at least 55C.

Cleaning of piping with drinking water

In case Wall is connected to a pipe/hose to e.g. a drinking tap in the kitchen - then periodically clean the pipe or hose - including the pump.

You can perform this process yourself. Detergents are available in stores with beer brewing equipment or at the pharmacy in the form of hydrogen peroxide. We cannot recommend the use of chlorine in this context.

1.2 Specifications

Mechanics	
Dimensions and weight	1200 x 500 x 500 mm. 63 kg.
Materials	Tank: 316L stainless steel; steam generator: 304 or 316L; heating element: Incoloy 825; outer casing: galvanized and powder paintedsteel; bracket: galvanized steel.
Colour code	RAL 9010
Indulation	PU-foam ranging between 50-70mm thickness
Volumen	Bathing water: 80 liter. Drinking water tank: 25 liter
Connections	½" male threaded connections.
Flow	Feed valve is flow restricted to 1 liter/min via a insert in the valve
Yield of drinking water	Under optimal conditions Wall will produce app 0,9 liter distillate per hour, which is app 20 liter in 24H. Under normal consumption of hot water Wall will make 10-15 liters per day.
Bathing water	Wall raises the bathing water temperature with app 8-10C per hour.
Electricity	
Steam generator	800W/230V
Valves and optional pump	24V
Safety thermo switch	130C with manuel reset.
Hysteresis	5C. The temperature drop in the bathing water before the steam generator goes on again is set to 4C.
Factory settings	Bathing water temperature: 55C; Hysteresis: 5C; Hardness of feed water: 15dH;
Water tightness class	IP65

2. Illustrations

2.1 Drawings of WaterStillar Wall



ITEM NO.		PART NUMBER			DESCRIPT	ON	1	QTY.
1		117-005-3		LOWER SERVICES COVER		1		
2		117-010-4		MOUNT PLATE FOR HEATER TANK ASSY		1		
3		117-012-1		NOM	MOUNT PLATE FOR COVER		COVER	1
4		117-014-1			FIXING PLATE		2	
5		117-020-4		OUTE	R COVER /	٩.SS	EMBLY	1
6		117-030-1			WALL PLA	ATE		1
7		117-035-2			BUSH			4
8		117-070-00-1		HEATER TAI	NK WITH IN	SUL	ATION ASSY	1
9	Ve	Valve block assembly VALVE BLOCK ASSEMBLY REFERENCE		REFERENCE	1			
10		1GKSAP91001 BOILER 2500W REFERENCE		1				
11	T FITTING REFERENCE T FITTING			2				
12	90 DEG FITTING REFERENCE			90 DEGREE FITING		1G	1	
13	2598531			MOUNTING BOX		1		
14	Washer ISO 7089 - 6			Washer M6 Zinc plated			4	
15	ISO 7380-2 M6 x 12			Screw M6 x 12 Zinc plated		2		
16		O 7380-2 M6 x 20 Screw M6 x 20 Zinc plated		4				
17	DIN 7337 A Ø4 x 7 STEEL			Pop rivet DIN 7337 A - Zinc plated		7		
18	\ \	Washer ISO 7093 - 4	Washer M4 Zinc plated		4			
19	15	SO 4017 - M4 x 12-N	Bolt M4 Zinc plated		4			
20	DIN	7337 A Ø4,8 x 7,5 STEEL	Pop rivet DIN 7337 A - Zinc plated		14			
			SEAARLY		8			
General tolerance			SEMBLI		Ļ			
UNI EN 22768-1/2			0 5 Up date d 117 005					
22-08-2019					P	3 Updated 117-005		
SIZE SURFACE		Updated 117-010 & 117-020 3						
A1	$ \Box \Psi$	3 Divene changes 2 BOM changes: 117-050-00-A & 1		117-040 removed				
SCALE	WEIGHT kg	DRAWING NUMBER		Sheet	Version	Ļ	117-070-00-1 added.	
1:5	56.84	117-001-6		1 of 1	6	Ľ	Tank assembly updated; divers	e changes.
This drawing is	our property; If co	an't be reproduced or communicated v	without our	witten ogreement.		1	Modifications	





2.2 Control board (PCB)

In general, the box with the control must be kept closed and must only be opened when the power supply is switched off. To disconnect power, unplug your 230V power outlet.

The controller controls

- The water level in the steam generator
- The solenoid valve with water supply to the steam generator
- The temperature control in the bath water tank
- The flush valve for continuous discharge of the steam generator

In addition, there is a 24V power supply to a drinking water pump (max. 0.4A). Further there are 4 diodes on the circuit board:

- GREEN: Power supply (230V)
- RED: The heater is on
- BLUE 1: Lowest level sensor detects water
- BLUE 2: Highest level sensor detects water

There is a yellow button next to the diodes. It manually releases the flush valve (note, it flushes twice)



2.3 Carbon filter

The refillable stainless steel carbon filter is part of the WaterStillar Wall's standard configuration. It is mounted on the water outlet pipe from the drinking water tank. The solution consists of a tube with triclamps and an internal mesh to keep the carbon inside whilst the water passed by. It is screwed directly to the outlet of the drinking water tank and will live hidden here for decades.

Activated carbon has a limited life time and needs to be replaced. Our solution is to only replace the activated carbon and keep the container.

In this way you will avoid plastics and not have migration of chemicals back into the water plus you can control what kind of activated carbon you should use (there are many types and can be specified to meet specific needs). Also, in this way it will be cheaper.

Activated carbon will absorb the few contaminants that distillation cannot remove - and will generally remove bad taste from the drinking water.



Go to the WaterStillar YouTube channel and see how easily it is done. No tools required.

2.4 WaterStillar App

Your WaterStillar Wall will run without the app. It will then run on factory settings and will not be connected to the web in any way.

You can connect to your WaterStillar Wall via Wifi Hotspot or through a wifi. We recommend wifi, since all functionality (incl remote monitoring and control) is possible.

Quick guide - the easiest and minimum setup

- 1) Download the app from either Appstore or Google Play. Look for "WaterStillar".
- 2) Open the app and find the unit by either WiFi Hotspot or via your wifi.
- 3) Press the "+" and follow the instructions to connect
- 4) When connected, choose the system and go to "Settings"
- 5) Enter the right dH value of your water

(The dH value is the water hardness. The scale is from 0 to 30 dH. Factory settings is 15dH. This value determines the automated flushing and how often filters must be changed and the steam boiler must be descaled. You can buy a test-kit to find out or simply ask your water work.)

Controlling the temperature of the bathing water

Factory settings is 55C. You can change it from 10 to 70C. If you set it to a higher temperature than 55C, please make sure that a mixing valve is installed on the hot water line from WaterStillar Wall to avoid scalding.

That said, raising the temperature is the way to have more bathing water capacity (usually 38-40C in the shower). Ask you plumber and have it installed by a professional.

The lower setting is to avoid frost damage. If you leave the system connected to power, but has shut the steam unit off, it will override the OFF-setting if the temperature becomes lower that 8C. It will then heat up to 10C and you will not have frost damage in the tank.

Filters and notifications

Any WaterStillar Wall system comes with a stainless steel activated carbon filter, but other filters can be added to your solution: A calcium softening cartridge to minimize the descaling intervals of the steam boiler and perhaps you will have a Mineral filter installed between Wall and your tap.

In any case you will need to change them. When you install and change these filters, you can let the app know. It will then count down until the next change and give a notification when it is time.

Descaling the steam boiler notifications

The steam boiler needs periodical descaling and the app can help you to remember. Just press "Done" when ou have descaled it and it will start counting the days until next time. The days vary depending on the dH value and how much drinking water the system makes. You will be notified when time is up.

Manual flush of the steam boiler

When the steam boiler is being descaled it needs to be flush X times to empty the rest of the calcium descaling agent out of the steam boiler. When the feed water is reconnected, simply press "Flush" and wait for the system to have flushed. It fills/empties automatically twice, and when done it will go back to normal operating modus.

Give your WaterStillar a name

Initially you will have to give the system a unique ID, which then is visible on the top of each screen in the app. If you want, you can give it a name that is easy to remember or just easy to recognize if you have one in your summer cabin and one in your home.

3. Installation (plumbing)

See the installation video on YouTube: www.youtube.com/watch?v=RoEpU8f2KfY



3.1 Connections

The installation of the water heater must only be carried out by an authorized plumber and in accordance with the local Building Regulations. The water heater and associated pipes must be placed frost-free. Wall should be installed closest to the most commonly used tap site and near a floor drain - and placed so that there is room for maintenance and service underneath.



- The electric water heater must always be installed vertically and with the studs downwards.
- The distance to the floor must be min. 400 mm and the ceiling distance should be min. 200 mm.
- When mounting the water heater, the enclosed bracket must be used.
- Please note that the wall is able to carry the container incl. water, securely.
- Suspension is done by securely mounting the enclosed wall space, ie using all bolt holes.
- The installations must comply with the Building Regulations and all other relevant regulations and regulations, including requirements for the electrical and water installation.
- Check out all the technical data and information on the data plate.
- Make sure all accessories are removed from the package.
- Ensure easy access to the water heater.
- An external shut-off valve must installed on the access to the water heater.
- Before connecting, the water pipes must be thoroughly cleaned.
- The water heater must never be exposed to water pressure exceeding 1 MPa (10 bar).

WaterStillar Wall comes standard with check- and safety valve. (6 bar) Remember shut-off valves on water supply and discharge.

Be aware of the heat loss from any circulation string and the operating costs it entails. The circulation can advantageously be controlled by a timer.

3.2 Risk of corrosion

WaterStillar Wall is made of stainless steel (316L) and is therefore not in the same way as conventional bath water tanks, sensitive to corrosion.

The risk of galvanic corrosion can be minimized by using a plastic or silicone-based flexible pipe between Wall and the pipe with you connect to your (main) water. Errors arising from the above are beyond AquaDania's warranty.

Do not connect wall to demineralized water (double ion exchange) as the hot water tank is likely to corrode.

We note that the water for the steam generator should be decalcified, see section 3.3 The requirement for this water is different from that which goes to the hot water tank.

3.3 Water supply requirements for the steam generator

The ingoing water to Wall can be very different. In most cases there will be minerals, chemicals, salts, bacteria etc and since WaterStillar Wall distills water, over time there will be deposits in the steam generator. Higher dry matter content in the water supply will mean greater amount of deposits / need for more frequent cleaning.

Therefore, we recommend that you do a water analysis and that you perhaps need to install descaling filters for the water supplied to the steam generator in the WaterStillar Wall to ensure the durability of the steam generator. Higher chloride concentrations can cause corrosion of both the vessel and the steam generator.

Supply water specifications:

- Hardness: max. 3 dH.
- Conductivity: min. 75 microsiemens.
- Maximum supply pressure: 1MPA (10 bar)
- Water temperature: max 20 ° C (68 ° F).
- Chloride concentration max. 100 mg / liter.
- Sulfate: max. 150 mg / liter.
- Chlorine: 0 ppm.
- pH value: 7.0-8.0.

The content of salts and minerals in the inlet water can in most cases be informed by the waterworks. Otherwise, we recommend having a water test done at a local laboratory. The most important parts can be measured using a dH test (water hardness test - ask in an aquarium shop) and an electronic TDS meter. When these values are known, the softening filter must then be dimensioned and changed when used. See section 11.

3.4 Choosing steam generator

Wall can be supplied with 2 different steam generators: 1) Standard in 304 steel or 2) 316L with exchangeable heater.

There is a price difference and stainless steel 316L will be more durable than stainless steel 304. You should choose 316L if you have aggressive water (see section 3.3). This steam generator has interchangeable heater unlike the 304 version where the entire unit is switched.

Both fit and allows you to freely choose which type is needed. It is screwed directly onto the steam pipe. Remember to pack the thread.

3.5 Automatic flushing of the steam generator

The control in Wall flushes the steam generator periodically. The control counts the number of fillings of feed water into the steam generator, and when a given number is obtained, an automatic flush is initiated.

This is done automatically by switching off the heater> the flush valve opens for 15 seconds> fresh water closes into the steam generator> the flush valve opens again for 15 seconds> fresh water closes into the steam generator> the heater is switched on again.

The flush frequency is controlled by the degree of water hardness. You need to enter this value into your app - we have set it ex factory to 15dH, which is medium hard water. If you have softer water, flushing will be done less often and vice versa. If you use a descaling pre-filter, we would still recommend you set your dH value to what your water has. Thus, your steam generator will last longer and you will be reminded to change your softening filter at the right frequency.

Although the steam generator is automatically flushed, it must be manually cleaned periodically. See section 7.4

4. Installation (Electrical)

You can connect your Wall yourself by plugging it into a grounded power outlet. Make sure you have ground.

WaterStillar Wall is in splash proof IP24 version and must always be extra protected according to the LVD directive.

The WaterStillar Wall is equipped with a control board that contains operating thermostat, level control of the steam generator, solenoid valve control and is mounted on the side wall of an IP65 plastic box.

The WaterStillar Wall is equipped with 130C overheating protection, which can be reconnected after tripping. This thermostat is located on the steam generator and has a manual reset button.

The steam generator has a built-in electric heater of 800W and is connected to a 230V socket with extra protection. WaterStillar Wall comes with standard Schuko plug on a 2 meter long cord.

4.1 Overheating protection

The steam generator is provided with a 130C overheating protection which cuts off the electrical connection if the steam generator for some reason should become too hot (will only happen if the neater is ON and no water is inside).

If it is released, 1) pull the plug for the electricity for the whole system, 2) press the little 4-corner button again and 3) connect the electricity again. Sometimes it needs quite a strong push.

There is a little white heat-contact paste behind the overheating thermostat. If you replace the thermostat, make sure to reapply the heat sink paste.



Rev: 0.1 Id: 1/1 Aque Denia A/S Sheet: / File: Wall_eldiagram.sch File: Vall_eldiagram.sch File: Principle diagram for WaterStillar Wall Size: A4 ______ Date: 19-04-2020 KiCad E.D.A. kicad (5.0.2)-1 Power supply Wall_controller_2.14 Reset 6 Gnd 4 3.3V 2 Fuse Protective earth Ground **F** 4 __switch//24VDC -_ Pump_switch -Pump_+ -Pump_- -PT1000 24VDC 2<u>30V-groun</u> 2<u>30V-groun</u> _thermosta afety 5 Ne 230V_plug 230VAC PT1000 Ь Ċ Overheat safety thermost Water tank Drain Valve Heater þ Water in / drain out Steam output Inlet Valve Boiler Ъ High level sensor sensor Low leve

4.2 Wiring

5. Approvals and versions

Wall is CE approved. See also the Declaration of Conformity, section 12.

Test pressure: 12 Bar Operating pressure: 6 bar Steam Generator: Pressureless

WaterStillar Wall is marketed from 2019 and is available in 2 generations. This guide applies to version 2.

6. Security and attention

WaterStillar Wall can be set to a desired upper temperature for bathing water. If you do not change it, it is factory set to 55°C and the steam generator will naturally work at 100°C hot during operation. It is therefore important that the system is accessed with knowledge that scalding and burns may occur.

This is even more important if you choose to set the bating water temperature higher than the factory setting of 55C. Setting it higher will mean bigger bathing capacity (longer baths or more baths) - but will require a mixing valve to avoid scalding. AquaDania can not be held responsible for any accident regarding a higher set temperature in the bathing water tank.

7. Maintenance

7.1 External cleaning

WaterStillar Wall should only be wiped with a damp cloth. Window and glass cleaning products may be used, but not scouring powder or other solvents. Always read the instructions on the detergent.

7.2 Security valve

The safety valve must be checked at least once a year. Your plumber can show how. During testing, water must flow out. The test is done by turning the spring loaded knob, causing the water to flow out. The water will be hot and will flow directly the the drain.

7.3 How to descale the bathing water tank

Since WaterStillar Wall does not have a heater in the hot water tank, the need for descaling this tank is less necessary than in a regular hot water tank. If this is to happen, the procedure is as follows:

- Disconnect the electrical connection and close the water supply on the housing stop valve.
- Drain the hot water tank
- Mount a coupling to the cold side and fill the bottom part of the tank (approx. 40 liters) with a descaling agent
- Wait according to the specifications.
- Drain the descaling agent
- Fill with water and check for leaks
- Reconnect to power.

7.4 Descaling of the steam generator

Descaling should only be performed by an authorized plumber. Descaling of the steam generator will be necessary on an ongoing basis, but the frequency depends on the nature of the feed water and whether a descaling (softening) filter is in-line connected to the steam generator. We recommend this and it must sit between the solenoid feed valve and the water inlet for the steam generator.

The steam generator is not pressurized, so filling and emptying it is done using the principle of connected vessels.

- Pull the electrical plug out and close the water supply on the house stop valve or the water supply to the WaterStillar Wall.
- Choose one of the 2 pipes under the steam generator to empty the water. NOTICE: it is close to boiling temperature.
- Use the same hose to connect to a funnel or similar container and fill the bottom of the steam generator (approx. 0.5 liters) with a descaling agent (same as for coffee machines).
- Wait according to the descaling agent's specifications. Observe the mixing ratio, time limits etc indicated on the product.
- Drain the agent and rinse the steam generator by flushing clean water 2-4 times. You can use the app for this or do it manually.
- Reconnect the hose you have used (either feed valve or flush valve)
- Open the water pressure again and turn on the power.

8. Trouble shooting

What is wrong	Cause	Do the following
Luke warm bathing water	The warm water has been used	Wait for a couple of hours and try again.
	The set-temperaturen has been turned down too low. We recommend 55C or higher with a mixing valve.	Use the app to change the set temperature. If that is not it, check the mixing valve.
	If you use a mixing valve, the ratio is set too low	Change it for higher temperature by turning the knob.
	Calcium build up in the steam generator that needs to be removed	Use the procedure for decalcifying, change the softening pre-filter.
No hot water at all	No power to the heater	Check if the overheating protection has been released. Cut the power, press the button on the thermostat and reconnect to power
	The heating element in the steam generator is defect	Change the element or the whole steam generator (depends on the model)
	No water is filled into the steam generator	Make sure you have water pressure. Check if the feed valve clicks on/off when you reconnect power - before that empty the steam generator to make sure water should be filled.
The bathing water is too hot	The set temperature is too high	Turn down the set temperature in the app.
	The bathing water thermocouple is defect	Change the PT1000 sensor. Must be done by authorized personnel.
No bathing water flow	A valve somewhere has been closed	Open the valve
(Louder) noise from the steam generator	Calcium build up in the steam generator that needs to be removed	Use the procedure for decalcifying, change the softening pre-filter.
Less drinking water than normal	Calcium build up in the steam generator that needs to be removed	Use the procedure for decalcifying, change the softening pre-filter.
Off taste in drinking water	Contaminants that distillation cannot remove is in your feed water	Install or change the post activated carbon filter

9. Warranties

9.1 General provisions

AquaDania manufactures and supplies quality controlled products which require an authorization to install and service. Responsibility for sizing, supplying, setting up and commissioning is thus the responsibility of the installer, and we therefore refer to all of your country's authorized plumbing and electrical installers regarding installation, use and any complaints handling.

In the event of material or manufacturing defects, a number of warranty and repair provisions apply. The warranty covers the following conditions:

- The product is covered by a limited warranty within 24 months from the documented purchase date.
- The product must be positioned so that it can be serviced without obstructions. If the product is difficult to access, AquaDania disclaims any liability for any additional expense it may cause.
- The product must be installed in accordance with this manual and good craftsmanship
- Where repairs are carried out on site, the factory supplies new parts for replacement if the repair is agreed.

The above provisions apply ONLY if the following are met:

- The installer has contacted AquaDania before repair or replacement was started and a written agreement has been reached on the extent of the repair.
- The installer has provided the manufacturing (serial) number when contacting AquaDania
- The installer sends a copy of invoice for purchase or installation and the defective product part to AquaDania after replacement / repair.

The warranty does NOT cover:

- Compensation for items other than those mentioned above or for personal injury caused by any defects in the product.
- Damage caused by galvanic corrosion.
- If the product has been connected to a temperature, voltage or pressure other than that indicated in this manual.
- If the damage is caused by frost, lightning, or dry boiling damage or destruction due to lime or overpressure.
- If any repair or other intervention has been made in the product other than general, regulatory compliance.
- Damage caused by seepage water and hidden water installations.
- Damage caused during transportation. These must be notified to the carrier.
- Damage due to a lack of regular cleaning and descaling of the distillation components in the system.
- The warranty does not cover clogged water filters or dirt in solenoid valves.
- Increased or extra costs related to repairs or replacements made on weekends, holidays or outside normal working hours are not covered.
- Driving expenses are not covered.
- Cost arising if the product is not immediately accessible for servicing.

9.2 Coverage

If a defect arises and a valid claim is received within the statutory warranty period, at its option and to the extent permitted by law, Aquadania shall either; i) repair the defect, or; ii) replace the product with a product that is identical or similar in function, or; iii) refund the purchase price.

If a defect arises and a valid claim is received after the statutory warranty period has expired, but within the extended warranty period, AquaDania will supply a product that is identical or similar in function. Aquadania will in such cases not cover any other associated costs.

Any exchanged product or component will become the legal property of AquaDania. Any valid claim or service does not extend the original warranty. The replacement roduct or part does not carry a new warranty.

9.3 Transportation

Check immediately upon receipt whether the WaterStillar Wall is intact and undamaged. If not, it should be notified to the carrier immediately. All shipping is at the recipient's responsibility, unless otherwise agreed.

10. Disposal

WaterStillar Wall must be disposed in the most environmentally sound way. All materials used are expensive high grade stainless steel and can 100% be reused.

When disposing of the product, individuals must follow the municipal waste regulations for disposal from private households.

11. Options

11.1 Water softening for the steam generator

If you have water with higher solid contents than those listed in section 3.3, you should use a descaling (or softening) filter between the feed valve and the steam generator. And replace it when it is used. If you use rainwater or soft water from well /lake surface water - then pretreatment is not necessary.

By default, we recommend a simple cartridge, which is easily mounted on the sidewall inside the Wall and easily connected to John Guest couplings.



The table below, which is indicative only, shows the relationship between the water hardness in dH - and then the expected no. of liters the standard 10" cartridge can process. The table is for guidance only and AquaDania requires that the replacement be done after a measurement / test of the water or after a certain number of months of operation - eg. 6 months.

Example: Let's assume that WaterStillar Wall produces about 10 liters of drinking water per day under normal conditions. That is about 300 liters per month. If the feed water has dH 17, then the filter needs replacement every 2 months. If your dH is 6, change every 8 months, etc.

Water hardness (dH)	10" Standard cartridge
0-3	5.000L
4-6	2.500L
7-13	1.200L

Water hardness (dH)	10" Standard cartridge
14-20	750L
21-30	600L

The Wall app has a calendar built in, which based on cartridge type and DH settings tells you when it's time to change cartridge. If you use another softening filter, please do the same calculation and replace/ regenerate accordingly.

11.2 Activated carbon

You may need extra and specialized carbonfiltration for some rare VOC's. In these cases carbonfiltration before the feed water enters the steam boiler may be necessary. It is then simply installed between the feed water valve and the steam boiler.

Remember that carbon filters have a certain life span and need to be changed continuously. Let the app help you remember. Regardless of type, we recommend every 6 months.



11.3 Remineralization of drinking water

If you want minerals in your drinking water, the simplest way is to let the drinking water run through a mineral cartridge before it is tapped. There will be various available on the market and in the WaterStillar webshop.

Since the drinking water from Wall is not aggressive and is completely ph neutral, many minerals from mineral filters will not be moved as quickly into the drinking water as they will into filtered (RO) water. But little will it give and you may taste the difference in the water.

11.4 Pump and faucet

The drinking water tank in the WaterStillar Wall is fitted with a ½" nipple. Here you can drain your drinking water directly (via a simple ball valve) - or connect this outlet directly to a small drinking water faucet.

Wall is standard fitted with a small 24V pump that is powered by the PCB. This pump is activated by power on/off via a switch in the specially designed faucet. The faucet's push switch is spring loaded, so that you need to push the button to run the pump. In this way - if the water tank is empty - the pump will not be left running dry (and break).

The faucet's 2 wires are connected to the pcb

11.5 Coolers, bubbles and boilers

If you choose to connect your WaterStillar Wall to a fridge, a cooler, a co2 machine or boiling water unit - or a combination of those - the standard pump and faucet needs to be replaced by a stand alone pressure switch controlled pump with an external power supply.

12. Conformity

For product:

WaterStillar Wall (2020, generation 2)

This declaration states conformity with following European directives:

- LVD directive 2014/35/EU
- EMC directive 2014/30/EU
- ROHS directive 2011/65/EU
- PED directive 2014/68/EU
- Ecodesign directive 2009/125/EU
- Energy labelling regulation 2017/1369

The product is manufactured to the following harmonized EU standards:

- EN60335-1:2012, A11:2014 General requirements
- EN60355-2-21:2003 Particular requirements for storage water heaters
- EN 50440: Efficiency of domestic electrical storage water heaters and testing methods
- EN 62233: Measurement methods for electromagnetic fields of household appliances
- EN 55014-2: Electromagnetic compatibility
- EN61000-3-2 Electromagnetic compatibility (EMC) Part 3-2: Limits Limits for harmonic current emissions
- EN61000-3-3. Electromagnetic compatibility (EMC) Part 3-3: Limits Limitation of voltage changes, voltage fluctuations and flicker

13. Contact



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