

The future always starts with a revolution
Die Zukunft beginnt immer mit einer Revolution L'avenir commence toujours par une révolution

Whirlcare® Energy Saving Management System

SPAOPENER®
HIGHLY INSULATING ELECTRIC COVER LIFTER

HEAT ENERGY PUMP

UVZQ NATOR

VARIOUS
HYDROJET

TITANIUM
HEAT EXCHANGER

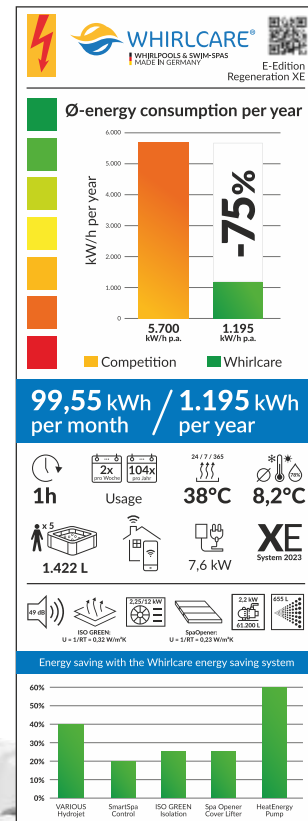
HYDRO
POWERPUMP

ISO GREEN
INSULATION

Skinoxyform®
HYDRO OXYGEN THERAPY

SMARTSPA
CONTROL

up to
75%
ENERGY
SAVING



99,55 kWh / p.Monat / Month / Mois
1.195 kWh / p.Jahr / Year / An

Whirlcare® XE Generation
ENERGY. HEALTH. TECHNOLOGY

**ENERGY SAVING.
HEALTH.
TECHNOLOGY.
SUSTAINABILITY.
FUTURE.**



The new generation of whirlpools & swim spas

Die neue Generation Whirlpools & Swim-Spas | La nouvelle génération de Whirlpools & Swim-Spas

What does XE stand for ?

The abbreviation XE stands for Exchange Efficiency.

"EXCHANGE" [for replace, change, convert]

"EFFICIENCY" [for effectiveness, performance, productivity]

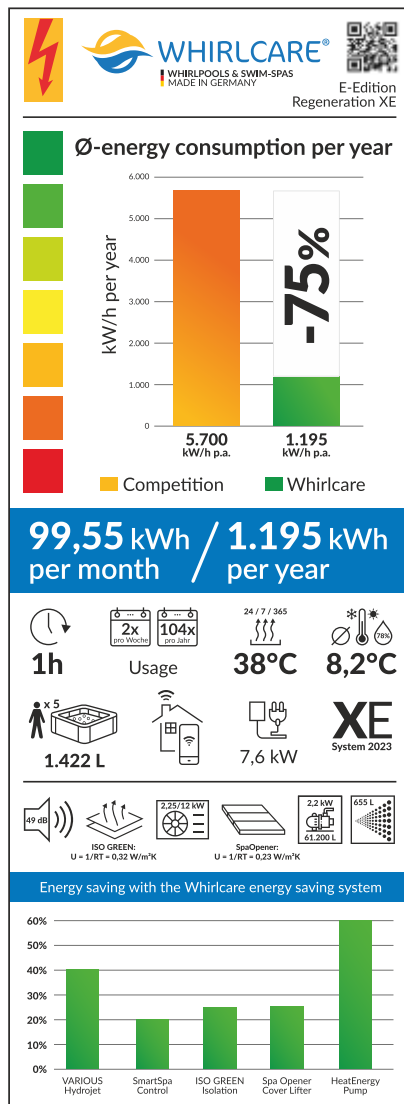
However, the multitude of literal translations always come to the same denominator. We transformed efficiency for the new generation of whirlpools & swim spas - Made in Germany.

The challenge was to rapidly reduce energy costs without neglecting the massage effect and health care. We more than succeeded. With the Whirlcare® XE models you save up to 75% energy compared to conventional whirlpools, with more performance.



The Whirlcare® Energy-Management-System

Energy efficiency label A



75% ENERGY SAVING

A large number of energy-saving measures are required for maximum energy savings in a whirlpool or swim spa.

Unfortunately, the EU has not yet issued an energy label in our industry or defined the associated parameters. In the case of the current energy efficiency labels, it has at least been stipulated that for an energy efficiency label, status A is only achieved if the primary energy requirement is at least 60% lower than the average in the specified category.

Even individual energy-saving measures can contribute significantly to energy savings, but please note that the energy savings of e.g. two individual measures cannot simply be "added together", this requires separate calculations. Irrespective of this, the savings of individual measures were also determined and are given below.

The comparability and value determination was carried out at WCI Research & Development in the climate chamber. The following parameters were used as a basis: Climatic conditions of the Rottweil location with an annual average temperature of 8.2° Celsius and an average humidity of 78%. The water temperature of the whirlpool was set at 38° Celsius all year round.

It was assumed that the whirlpool was used twice a week for one hour and alternatively four times a week for half an hour, i.e. for 2 hours a week, with 5 people using the whirlpool and that all functions, pumps, hydro-massages and air-blowers were switched on and the water was kept at 38°C during use.

The test was carried out in the Vissmann climate chamber at WCI over a period of 60 days. In the Vissmann climate chamber it is possible to map all climatic conditions in terms of temperature and humidity, as well as UV radiation, and to carry out noise level measurements, while power consumption is measured digitally and the parameters are recorded using a data logger. The Whirlcare energy management system was tested with the following parameters.



Whirlcare® Regeneration, 1,422 litres

Whirlpool comparison model

Smart Spa Control, HeatEnergyPump® 12 KW performance (heat pump)

vs.

Gecko control with 3 KW Tube heating

70 pcs. Various-Hydrojets®, 12 pcs. Air Blower Air jets

vs.

70 pcs. CMP Jets, 12 pcs. Air Blower Air jets

2,2 KW HydroPowerPump®

vs.

2,2 KW Balboa Pump

Whirlcare® insulation ISOGREEN & SpaOpener® Cover

vs.

Standard insulation Styrofoam with aluminium foil & normal Styrofoam cover

3 persons detached house

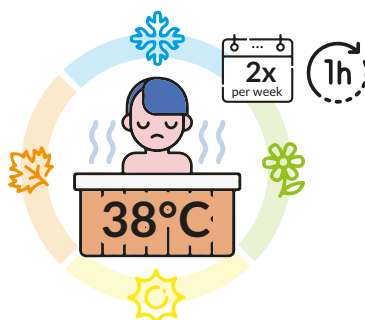


bis zu / up to / jusqu'à

€ 138*

pro Monat / per month / par mois

Conventional whirlpool

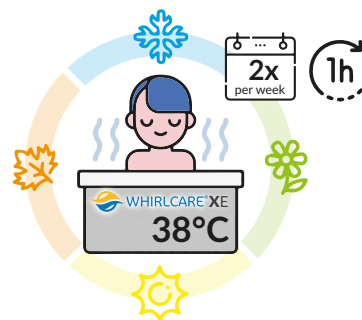


bis zu / up to / jusqu'à

€ 220*

pro Monat / per month / par mois

Whirlcare® XE



bis zu / up to / jusqu'à

€ 37*

pro Monat / per month / par mois

*assuming an average electricity price of 0.37€ per kW/h.

The effective energy consumption was recorded under the aforementioned parameters and uses. The effective proven electricity consumption over the test period of 60 days for the Whirlcare energy management system amounted to 199 KWh. Extrapolated to one year, this means an electricity consumption of 1,195 KWh, or 99.55 KWh per month. The whirlpool without the Whirlcare energy management system consumed 796.6 KWh of electricity in the same period. Extrapolated to a year, this means electricity consumption of 4,780 KWh or 398.33 KWh per month. The average electricity/energy consumption of conventional modern whirlpools without the Whirlcare energy management system is approx. 3,800 - 5,700 KWh for the same size, identical conditions of use as well as good insulation and the same climatic conditions, while poorly insulated whirlpools can even be over 7,000 KWh p.a..

This means that the Whirlcare® Energy Management System system achieves an overall energy saving of around **75% compared to the average** of the whirlpools on the market.

**THE FUTURE
ALWAYS BEGINS
WITH A
REVOLUTION.**



The Whirlcare® energy-saving system

The future always begins with a revolution



40%

Energy saving during whirling compared to conventional hydrojets or conventional pumps



25%

Energy saving compared to conventional Whirlpool Cover Covers



25%

Energy saving compared to conventional Styrofoam 3-fold insulation



60%

Energy saving compared to conventional 3 kW tube heaters



20%

Thanks to the AI and the innovative heating intervals, additional energy and costs of up to 20% compared to conventional whirlpool controls can be saved.

Each individual measure is a great step forward in itself and saves energy in percentage terms compared to conventionally used components. However, only with the Whirlcare energy management and system in its entirety can the maximum energy saving of up to 75% be achieved compared to other whirlpool and swim spa suppliers.

How do we come up with this?
Please scroll further

Topic insulation

The heat transfer coefficient, in short U-value

Basically, all-round thermal protection is required for every whirlpool or swim spa, as heating and keeping the water warm requires the most energy. For this reason, a great deal of importance is attached to the insulation of the tub body, the base tub, the side walls and of course the cover of the tub in all Whirlcare models.

The insulation property can only be measured by the U-value, the heat transfer coefficient. The U-value is given in watts per square metre and Kelvin $W/(m^2 \cdot K)$ by the respective manufacturer. The smaller the value, the better the thermal insulation. In addition, other important properties of the insulating material are required:

- Compressive strength
- Temperature resistance
- flame retardant
- Dimensional stability
- free from harmful substances
- 100% recyclability

Whirlcare ISOGREEN Rated value $0,32 W/m^2K$

In comparison, the actual U-value of other manufacturers could not be determined exactly due to a lack of information. Instead, the insulation is described by meaningless marketing slogans such as "triple insulation", "Scandinavian insulation" etc. Even rough calculations did not lead to a target-oriented result for a comparison, since very often cold bridges or defective designs would have led to an even worse result. In principle, however, the U-value of white polystyrene, even with aluminium foil, is worse than the grey ISO GREEN, which is provided with graphite particles to reflect infrared radiation. This applies to the insulation of the floor pan, the side panelling and the cover.



Styropor 50 mm
Heat transfer coefficient
 $U = 1/RT = 0,70 W/m^2K$



insulation wool 60 mm
Heat transfer coefficient
 $U = 1/RT = 0,60 W/m^2K$



wooden formwork 22 cm
Heat transfer coefficient
 $U = 1/RT = 0,53 W/m^2K$



perforated brick 55 cm
Heat transfer coefficient
 $U = 1/RT = 0,54 W/m^2K$



Isogreen 40 mm

Heat transfer coefficient

$$U = 1/RT = 0,32 W/m^2K$$



Topic heating

Heating the whirlpool water

In approx. 90% of all cases, the water in whirlpools is heated by an electric tubular heater, predominantly a 3 kW electric heater is used for this purpose, which is usually already permanently installed in the control housing, e.g. Balboa or Gecko (market share approx. 90%). The electric heater heats the water in the whirlpool and ensures a constant temperature of the water. As this is the most common type of water heating, it is currently regarded as the standard. Although the conversion of electricity into heat takes place completely with an efficiency of 100 percent, the consumption costs are correspondingly high. Alternatively, the whirlpool water can also be heated using a heat exchanger. The heat exchanger is connected to the existing central heating system of the house and the high capacity of the central heating system, e.g. 25 kW, is used to heat the whirlpool tub water via the heat exchanger. Although this has the advantage that the whirlpool water is heated much more quickly than by means of electric heating, the effective efficiency is usually only between 70 - 90% depending on the type of heating via the central heating system, even condensing boilers usually only achieve 99% efficiency.

Although energy can be saved with solar water heating in the summer months, this is not sufficient to keep the whirlpool at the right temperature in the winter months and especially at night, so that heating must be provided with electricity again during these times. Direct water heating with gas or oil is not usually used, unless via a heat exchanger via the central heating system.

Depending on the design, a heat pump is much more efficient for heating the water. They usually achieve a COP of 1:4 or 1:5, or better. This means 1 kWh of expenditure, at least 4 kWh of additional benefit, or a benefit of 4 kW that heats the water, but for which you do not have to pay for electricity. A cheap air-source heat pump is generally not recommended, as it can freeze up from 3 °C and freeze even in winter. This would not be usable in the winter months and would have to be taken out of operation itself.

For this reason, an air heat pump should be used which also meets the climatic requirements of the whirlpool tub location and works at least down to minus 15°C or even minus 25°C. This air heat pump is currently available, although it is not completely freezing. This is currently the most efficient and sustainable type of heating for heating the whirlpool tub water, even if it is not entirely cheap.





The HeatEnergyPump® is an air source heat pump specifically designed for use in hot tubs and swim spas in different climates. With dual expansion valves (2xEEV) and cold climate compressors, these provide optimal adjustment of refrigerant flow to maximise COP in low ambient temperatures. These deliver an impressive COP value of over 2.0 at minus 15°C ambient temperature / 38°C water temperature. The HeatEnergyPump® operates in ambient temperatures from -30°C to +40°C. The higher the temperatures, the higher the COP. The higher the temperatures, the higher the efficiency and in summer the water in the whirlpool can also be cooled and thus adapted to requirements.

The HeatEnergyPump® has an output of 13 kW, (COP - A24°C / W27°C = 5.85), with a maximum input of 2.5 kWh. This also means that the actual heating times for heating the whirlpool water are considerably shorter than with conventional electric heaters with 3 kW. The COP value at plus degrees makes the HeatEnergyPump® more than 5 times more economical than an electric heater. During the development of the HeatEnergyPump®, care was taken to ensure that the sustainable R32 refrigerant with a low global warming potential factor (GWP) was used, as the currently still common R410A or R407C refrigerants may no longer be used after 2025.

In the climate chamber test, a standard whirlpool with electric tube heating 3.0 kW consumed an average of 4.80 kWh under identical conditions (to keep the water warm or to heat it up 96 minutes = 1.6 h x 3 kW = 4.80 kWh).

The HeatEnergyPump® with 12 kW power at only 2.5 kW use, came to a daily electricity consumption of just 1.0 kWh under the same conditions.

To keep the water warm or to heat it up, it needs 24 minutes = 0.4 h X 2.5 KW = 1.00 kWh. In total, this means only about 20 % of the electricity consumption compared to electric tube heating.

Topic Hydrojet Jets & Massage

Essential for health promotion and well-being

Hydro jets are largely responsible for the massage effect in a whirlpool. The massage water jet in the nozzle is accelerated by the addition of oxygen, thus intensifying the hydro-massage. In order to achieve a better effect on the muscular zones according to requirements, there is a large variety of different sizes and types of jets. The water jet and the corresponding strength, the swirling and the form of swirling, from spot to broad-surface radiation, from strong to pulsating are the major differences. Since a nozzle is only ideally suited for one function, different nozzle functions are installed in different sizes; these are determined and installed by the manufacturer and cannot be changed later, or only with great effort.



The requirements for an improvement of existing nozzles were very high. On the one hand, it was to be a nozzle that combines different types of massage, so that different types of massage are available for each muscular zone that is irradiated, in order to achieve an even better massage effect and health promotion. At the same time, the new VARIOUS nozzles should contribute significantly to energy savings, as the previous nozzles require a relatively large amount of energy due to the necessary water flow by means of pump motors. Together with a spin-off company of the Fraunhofer Institute and doctors, WCI Research & Development for Whirlcare has succeeded in revolutionising hydro massage after around 3.5 years of development.

One of the special features is that several different massage functions have been combined in one nozzle. Four different types of massage in different strengths ensure that all important muscular zones can receive a hydro massage, which also meets the health requirements of doctors and physiotherapists. Through the development, it was also achieved that the VARIOUS hydrojets require a significantly lower water flow than conventional jets.

The approximately 60% lower water flow rate required, without reducing the massage effect or strength, ensures considerable energy savings. At the same time, it was possible to do without moving parts or ball bearings in the nozzle, which makes the VARIOUS Hydrojets much more durable and also less sensitive to limescale or water contamination. The VARIOUS Hydrojets also do not need an additional oxygen supply, but get the necessary oxygen for the acceleration of the water jet directly from the water itself. Each VARIOUS Hydrojet has four different massage modes, which can be changed by simply turning it. In addition, each VARIOUS Hydrojet can individually change the strength in the middle of the nozzle by simply turning the Whirlcare logo.

**A Jet that you don't have
cannot massage you.**

A type of massage that you don't have can't help you!

Normal Hydrojets vs. VARIOUS Hydrojets®

The following data are calculated average values.
Example of a whirlpool with a total of 60 jets

Pcs / No. of jets	Type	Use
38 Pcs	2 inch	Neck, shoulder, leg and foot massage
10 Pcs	3 inch	back massage
12 Pcs	4 inch	back massage
60 Pcs Total		

Determine the water flow rate in litres per hour to ensure full functionality.

Higher pressure (bar) does not bring any significant advantages for hydromassage.

At lower pressures (bar), the massage massage is either no longer possible, or no longer available, as each nozzle requires an individually water flow in order to be able to carry out the assigned task.

E.g. dual rotor nozzle, no longer rotates if the pressure is too low or the water flow rate is too low.

Test at pump output approx. 1.9 bar	Water flow litres/hour of conventional jets e.g. CMP, Balboa, Watwerway, etc.	Water flow litres/h Whirlcare VARIOUS Hydro Jet nozzles
Size 2 inch	1.378 litres/h flow rate	613 litres/h flow rate
Size 3 inch	1.890 litres/h flow rate	637 litres/h flow rate
Size 4 inch	2.215 litres/h flow rate	655 litres/h flow rate

Required water flow for a conventional whirlpool with 60 jets

Nozzles CMP, Balboa, Waterway etc.	pieces/number	litres / h / flow rate per jet	Litres / h / flow rate Total
2 inch	38 pcs.	1.378 litres / h flow rate	52.364 litres / h flow rate
3 inch	10 pcs.	1.890 litres / h flow rate	18.900 litres / h flow rate
4 inch	12 pcs.	2.215 litres / h flow rate	26.580 litres / h flow rate
	60 pcs.		97.844 litres / h flow rate

Required water flow for a Whirlcare® whirlpool with 60 jets

Whirlcare VARIOUS Hydro Jet nozzles	piece/number	litres / h / flow rate per nozzle	litres / h / flow Total
2 inch	38 pcs.	613 litres / h flow rate	23.294 litres / h flow rate
3 inch	10 pcs.	637 litres / h flow rate	6.370 litres / h flow rate
4 inch	12 pcs.	655 litres / h flow rate	7.860 litres / h flow rate
	60 pcs.		37.524 litres / h flow rate

Required number of pumps due to the required flow rate

2.2 kW / 3.0 HP pump capacity with jets used accordingly

Comparison 2.2 KW = 3.0 HP (hp) single - stage Manufacturer	Flow rate in litres at 1.9 bar (27.55 psi)	Pump flow rate	Flow rate in litres at 1.9 bar (27.55 psi)	Number of pumps required with conventional nozzles 97,844 L/h	Number of pumps required with Various Hydro Jet nozzles 37,524 L/h
LX pump	38.100 litres / h	62,25 %	38.100 litres / h	3	1
Gecko	38.611 litres / h	63,08 %	38.611 litres / h	3	1
Balboa	48.000 litres / h	78,43 %	48.000 litres / h	2	1
Waterway	53.611 litres / h	87,59 %	53.611 litres / h	2	1
Hydro Power Pump	61.200 litres / h	100,00%	61.200 litres / h	2	1



By using a HydroPowerPump + 28% more power, and the VARIOUS Hydrojets - 63% more water flow, it is possible to save energy compared to conventional nozzles or pumps.
required water flow, it is possible to save energy compared to conventional jets or pumps, and thus thus using more massage jets for physical well-being by using less energy.

The underwater massage revolution

Die Massage-Revolution unter Wasser | La révolution du massage sous l'eau



4 times the hydromassage
4 times the application possibilities
4 times the number of massage options
4 times the health care

- Individually adjustable.
- Infinitely adjustable.
- No moving parts.
- Longer service life.
- Insensitive to limescale.





An individually adjustable massage head

Ein individuell verstellbarer Massagekopf | Une tête de massage réglable individuellement

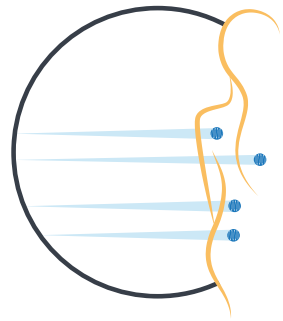
HEALTH



Start setting

The decelerator

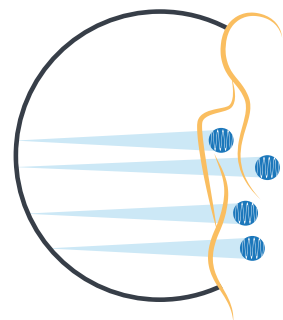
The point massage focuses on a selected point on your body. It is comparable to a 1-finger pressure massage and activates your muscle and reflex zones. The massage jet loosens the muscles and feels pleasant. The start setting helps to reactivate tired and overworked parts of the body and stimulate the circulation for even blood flow.



Area setting

The tension reliever

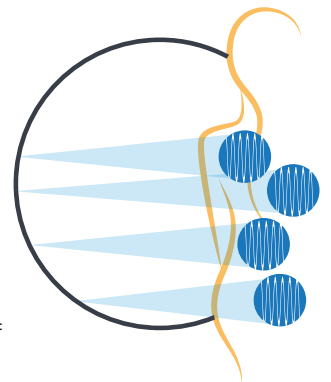
The almost 60 degree wide beam angle massages a complete area of your selected reflex zone response system, similar to a 3-finger massage. This stimulates your muscles and releases muscular tension and nerve pathways. The absolute feel-good setting for your Whirlcare® massage experience.



Volume setting

The regenerator

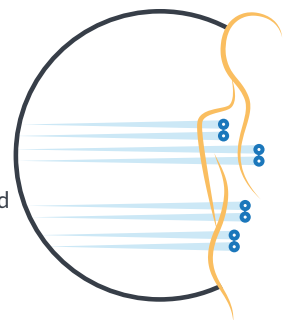
The regenerator works the complete volume of the tissue and muscle area in the selected area. With its up to 90° angular spread, this setting is comparable to a palm massage. This massage lets you relax completely, soothes the muscle tissue and provides stress relief, relief and is balm for body, mind and soul.



Double-pulse setting

The muscle activator

The strongest water jet of the Various Hydrojet! With its pulsating and powerful effect along your individual body pathways, it feels like a local pressure point massage. The muscle activator releases energy blockages and reduces pain or listlessness. By selecting your trigger points, you can thus relieve your individual discomfort and promote health.



Cover topic

Greatest heat loss at the water surface

Due to the physical property that heat rises upwards, every whirlpool and SwimSpa has the greatest heat loss at the water surface. For this reason, an insulating cover belongs to every whirlpool or SwimSpa. The cover is usually made of polystyrene, which is sealed in a film and covered with artificial leather. Due to the size of whirlpools, which is usually at least 2 x 2 metres, it is necessary to divide the cover in the middle and thus make it foldable. The centre fold and divider is also one of the biggest weak points in terms of energy with high heat loss. As the cover is not only very large, but also weighs on average approx. 30 -35 kg, the cover is very unwieldy.

Alone or without additional aids, the cover is very difficult to open or close. The cover also leaves a lot to be desired in terms of aesthetics or design, they all look the same. This is certainly also the reason why whirlpools are always shown without a cover in all the pictures.



WCI Research and Development has taken on the problems of the market. After around 2.5 years of development, now the solution. A fully automatic, electric cover with the best insulation on the market. Convenient and easy to operate at the touch of a button or via a mobile phone app. Open and close on your own, without any effort. At the same time, it closes tightly around the edge of the whirlpool tub and ensures that no more heat escapes to the outside. Unlike previous covers, the SpaOpener is divided into three parts, which means that the individual parts are so small that the SpaOpener can be placed directly behind the whirlpool tub without it protruding above the whirlpool tub when open and impairing the view.

Thanks to the modern design and the anthracite-coloured cover, the SpaOpener matches all modern whirlpools. The motors and gears used are so powerful that the SpaOpener opens and closes with a force of 1,500 Newton metres. Ice, snow or other dirt cannot harm the SpaOpener. The SpaOpener can be loaded with up to 150 kg on the surface and is also secured against unauthorised use. (child safety lock). Due to the structure and the embedded insulation, the SpaOpener has exceptional insulating properties with a U-value of 0.23. The SpaOpener thus contributes significantly to energy saving.



Safety, energy efficiency, design and Ease of use in one

- Easy to use
- High temperature resistance (from -20° to +60° Celsius)
- Outstanding U-value of 0.23 W/m²K
- Ecologically and energetically trend-setting
- No wear of the cover
- Special insulating rubber seal
- Environmentally friendly made of recycled PE plastic material
- Loadable up to 150kg
- Integrated lock and safety catch
- No screwing to the whirlpool tub required
- No visual obstruction (SpaOpener moves completely under the top edge of the whirlpool tub)
- Different model sizes - suitable for every Whirlcare®

**This is how you control
your well-being!**



Control topic

The brain of your whirlpool or swim spa

The market is dominated by Balboa and Gecko controls, which have a market share of about 90 %. The mode of operation is basically identical for both manufacturers. Both have the same electric tube heater in the control unit housing with 2 or 3 KW, depending on the model. The model used in each case depends on the number of pumps used and the level of comfort.



For the first time in the area of whirlpool control, the Smart Spa Control also uses AI, which means that the control learns from the user behaviour (frequency of use and times and specifically prefers the secondary tariff times for the heating) and adjusts itself accordingly.

It is also able to take into account different electricity tariffs to save costs.

Even the built-in 5 KW tube heating system uses other heating cycles in the electricity saving tariff of the electricity provider.

In addition, the Smart-Spa-Control offers an interface and integration of the heat pump or other alternative heating sources. The condition directly on the control panel, via mobile phone app or the internet to voice control from Alexa to Google Assistant additionally underlines the comfort.

Artificial intelligence and the innovative heating heating intervals can save additional energy and costs of -20% compared to conventional whirlpool controls. can be saved

Further components of the XE generation

Water Quality, Health & Sustainability



UVZONATOR



The UV light can break the molecular bonds within the DNA of microorganisms and produce thymic dimers in their DNA, rendering them harmless and thus preventing growth and reproduction. This ultraviolet water purification renders organic pollutants harmless as the water passes through the treatment chamber and thus the UV light. The light deactivates the microorganisms in the process. Viruses, bacteria, microorganisms and also the COVID-19 virus are destroyed. The combination of UV light and ozonator in our Whirlcare® whirlpools means that even Corona doesn't stand a chance. The additional water disinfection reliably kills germs, viruses and bacteria and thus reduces the need for water care products such as chlorine, active oxygen, bromine or biological-based additives. The ozone system provides natural disinfection of the water and pipe systems. Ozone is an unstable molecule consisting of 3 oxygen atoms and is one of the most effective antibacterial agents: on contact with water-wetted substances, it transfers its third atom to this material.



Skinoxyform®

HYDRO OXYGEN THERAPY

Millions of tiny oxygen bubbles caress your body while you lie relaxed in the Whirlcare®. The micro-bubbles penetrate deep into the skin, eliminate impurities and supply it with natural moisture. The production of collagen, responsible for strength, structure and firmness, is boosted. You feel refreshed and balanced. Skinoxyform®, the innovative hydrooxygen application from Whirlcare®, increases the oxygen content in the water by more than 70 per cent. This can stimulate metabolism, improve cell growth and deep hydration of the skin, even reduce lines and wrinkles. A classic air bubble created by an airjet is about 50 to 100 times larger. Thanks to their small size, the bubbles burst in the water and not on the surface and keep the heat evenly in the Whirlcare® whirlpool.

HYDR POWERPUMP



Installed in all Whirlcare® whirlpools! The HydroPowerPump® Massage & Circulation. Unlike many manufacturers, Whirlcare® does not use a two-stage pump system, but instead uses a separate energy-saving circulation pump for water circulation, regardless of the total number of pumps. In this way, the full pump power for the hydromassage is retained and the circulation pump only takes care of the tasks of filtering and cleaning the Whirlcare® whirlpool water. Each pump stands on rubber buffers for sustainably lower vibration and higher sound insulation. There are always so-called shut-off valves in front of and behind each HydroPowerPump®, which make it easy to replace the pump - without having to change the whirlpool tub water.

More detailed information about these components
you will find in the general catalogue "The next Level"

The best way to predict
the future is by helping
to shape it.





The Whirlcare® Headquarters

Home, drive, future

The declared goal of becoming one of the most sustainable and modern production facilities in the industry in Europe and around the world has been completed. The construction phase of another production hall and a separate central warehouse with a total of approx. 8,000m², as well as approx. 80 new parking spaces for the employees, has been completed. In the course of this, production is already almost climate-neutral with predominantly own electricity generation on the roofs and the exclusive use of recyclable and sustainable materials, thus taking climate and environmental protection into account. Now the second construction phase has been completed specifically for the production in industry standard 4.0 of free-standing swimming pools with counter-current system, Swim-Spas for short. This means that the steadily increasing demand in this market segment can be optimally met. The adjacent central warehouse will then ensure that customers no longer have to wait weeks or months for their goods!

Whirlcare® Industries clearly distinguishes itself from competitors from the Far East or overseas! The new building not only serves to expand existing production processes, but also to significantly optimise the process by separating the whirlpools and swim spas! This step has now been successfully taken. Whirlcare® Industries and Spas United Group GmbH have contributed to the added value of the districts in the Quellenland and the regional economy. In this company, energy, digitalisation, innovation and industry standard 4.0 and, above all, sustainability are top priorities.

Driverless transport systems, digital networking of the various intersections and sustainable energy-saving modifications ensure a sustainable process flow and guarantee quality **made in Germany!**

The home of Whirlcare®.
One of the largest and most modern
whirlpool and swim spa production facilities
worldwide

We don't just talk about the future, we help to develop it. with it in the long term. Health and premium whirlpools and Swim Spas Made in Germany on an area of approx. 61,000m².

Aerial view from / Aerial view from 30th August 2021





This brochure was given to you by

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The Whirlcare® sustainability strategy is geared towards the

