

BINDER

DISCOVER OUR

RANGE OF PRODUCTS

Simply **MORE** for your pool.



Dear customers,
Swimming means exercise, relaxation and a better quality of life. With our products, we create the conditions that allow swimming pools to be used in even more ways. Innovative solutions, high quality and a commitment to the continuous development of our products have characterised **BINDER** since its foundation.

Today, customers and partners around the world rely on our turbine swimming systems. At the same time, we have remained true to our roots: as a family-run business based in Hamelin, we take a personal, reliable and passionate approach to developing products that prove their worth in everyday pool use.

Our aim is to offer you MORE options for the perfect swimming experience. To this end, we develop systems to suit different pool sizes, criteria and preferences – from compact retrofit models to bespoke designs. After all, every pool is different, and innovation only arises where people contribute their ideas, experiences and requirements.

Warm regards,

The Binder family

What makes our products stand out?

Innovative technology

Nature is the inspiration behind our turbine swimming systems. Swim as if in a river. The patented turbine technology generates a natural, wide current – both above and below the swimmer – which flows evenly around them. This is what sets our counter-current systems apart from traditional pump-based counter-current systems.

Made in Germany

Our systems are manufactured in Germany at our factory in Hamelin. You benefit from a high degree of vertical integration and ISO-certified production. We inspect every single system before it leaves our factory. We offer a 3-year warranty.

Energy efficiency and ease of use

Our turbine swimming systems are extremely energy-efficient and, unlike conventional systems, do not require a high-voltage power supply. The flow rate can be adjusted to suit individual preferences. They are incredibly easy to operate using the remote control provided, our BINDER24 app or the push-button control from inside the pool.



Our product highlights

HydroStar is the pioneer in the market for turbine-powered counter-current systems. Thanks to the wide range of power levels available, there's a counter-current system to suit everyone – from a leisurely swim to a challenging workout. **HydroStar** transforms swimming pools into a fantastic place for the whole family to enjoy!

LittleStarlet complements our product range as a compact and flexible turbine swimming system for new-build pools and retrofitting. With a flow rate of 180 m³/h, LittleStarlet is ideal for anyone looking to extend or modernise their pool, or upgrade an existing system.

Our premier class: **HydroStar** sets new standards with the **BGA600**. For those with particularly high expectations, the **BGA1200** dual-system is also available. Both models are ideal for high-performance swimmers who want to push themselves to their limits and beyond.

With **EasyStar**, you get a retrofit system that is just as powerful as HydroStar. It can be fitted in just a few simple steps.

HydroStar PRO adds more dynamism to Lazy Rivers and flow channels. This counter-current system, developed specifically for the public and commercial swimming pool sector, is suitable for water parks, spas, hotels and campsites, amongst other venues.

We would be happy to advise you in person

If you have any questions or are looking for a bespoke solution, our team will be happy to assist you personally. Together with our specialist retail partners, we develop concepts that are tailored to people, their needs and the specific circumstances.



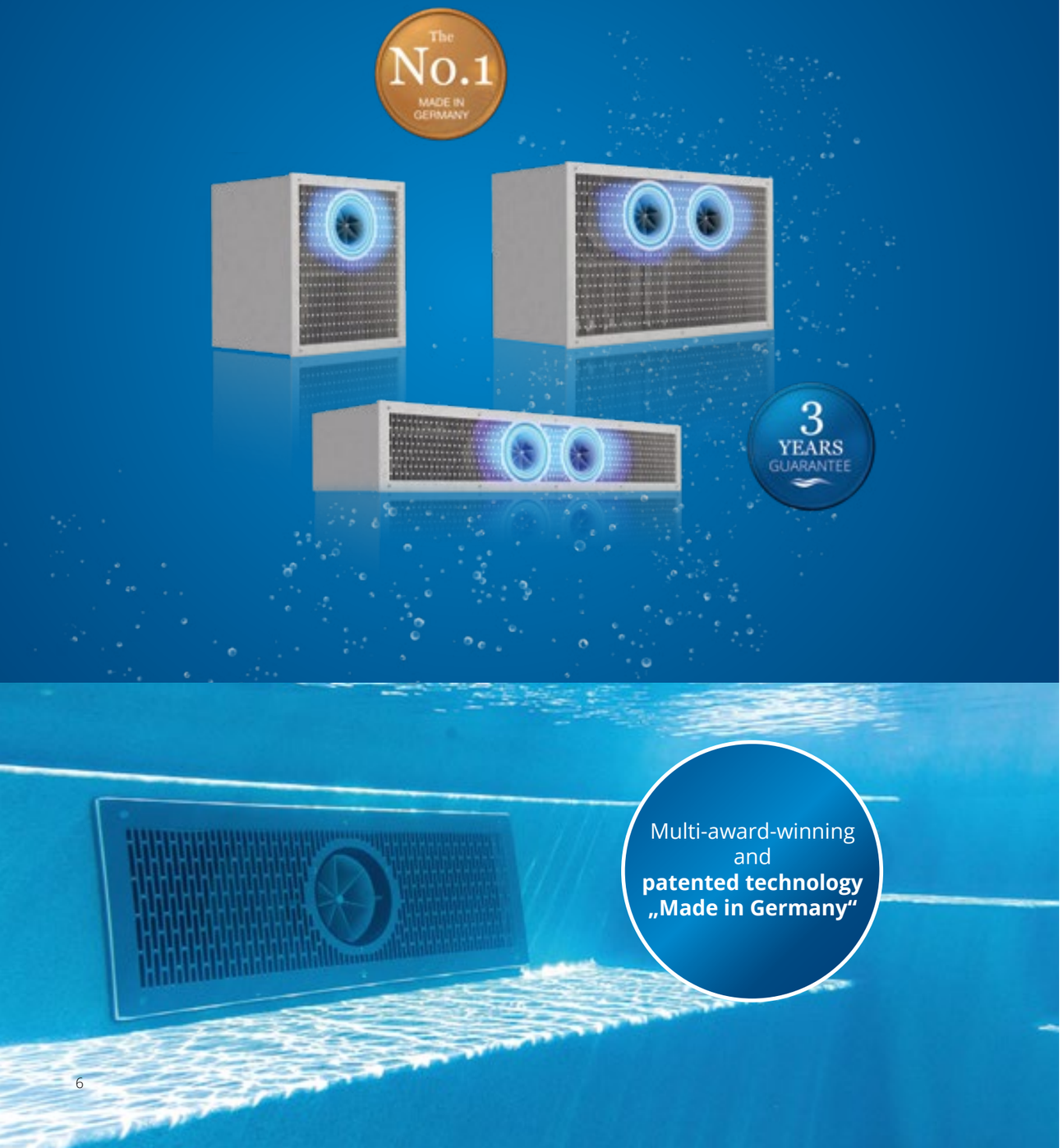






HydroStar®
Die Turbinenschwimmanlage

Get the **most** out of your pool...



BINDER
HydroStar®
Die Turbinenschwimmanlage

HydroStar turbine swimming system

The right system for every level

Whether you’re a recreational swimmer, a competitive swimmer or a wellness enthusiast – with HydroStar there’s something for everyone.







This is made possible by the patented turbine technology: its wide, powerful current creates a sensation of swimming as if in a river. The flow intensity can be adjusted at any time to suit your individual needs.

Would you like to train professionally? With the BINDER24 app, you can put together your own personalised training programme (see the section on the BINDER24 app).

Your benefits at a glance

- Easy installation by your specialist dealer
- No maintenance shaft or pipework required
- No high-voltage connection required
- Maintenance-free brushless DC motor
- Maintenance-free sliding bearing
- Control unit with current and temperature monitoring
- Maintenance-free turbine
- All components are made from V4A or high-quality plastic
- Requires significantly less space than pump-driven systems
- Operated via a wireless remote control, or optionally via a piezo button, BOB or via an app
- Winterproof and frost-resistant
- Three-year warranty


optimal swim training


no splashing water


energy-efficient operation


natural counter flow


low noise and vibration

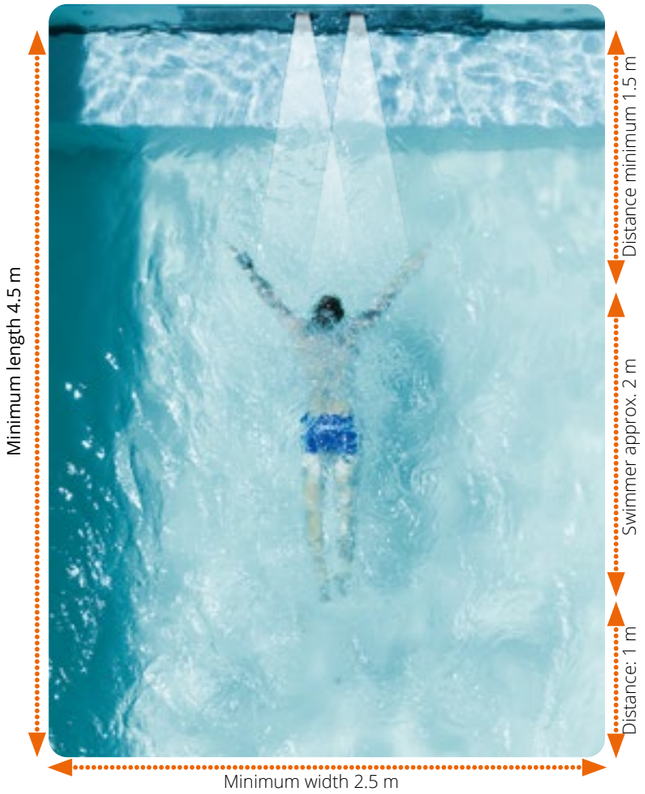

maintenance-free Turbine



BINDER
HydroStar®
Die Turbinenschwimmanlage

It is the flow that makes the difference

Bring that natural swimming experience into your home: HydroStar is suitable for any type of pool.
With individually adjustable current – to suit all needs. For young and old alike.



One or two turbines

HydroStar and EasyStar are available with either one or two turbines. As well as the power output, the difference lies in the type of flow: systems with two turbines produce a wider flow rate than a system with just one turbine. The flow offers even greater comfort and better guidance than that of a single turbine.

There is, however, no difference in buoyancy: the current keeps the swimmer balanced. Even less experienced swimmers can use high-performance systems without any problems, as the current intensity can be adjusted continuously.

The diagram shows the minimum size of the tank required for installing HydroStar.

With the EasyStar retrofit kit, the minimum length increases by 0.5 m.

Type	BGA160	BGA215	BGA275	BGA320	BGA430	BGA550	BGA600	BGA1200
Supply voltage [VAC]	230	230	230	230	230	230	230	230
Connection current [A]	6	8	8	12	16	16	16	2 x 16
Power consumption [W]	1350	1500	1700	2700	3000	3400	3400	2 x 3400
Motor (BLDC) Anzahl	1 piece	1 piece	1 piece	2 pieces	2 pieces	2 pieces	1 piece	2 pieces
Rated voltage [VDC]	24	24	24	24	24	24	24	24
Flow rate [m³/h]	50 - 160	65 - 215	80 - 275	100 - 320	130 - 430	160 - 550	160 - 600	160 - 1200
Speed [m/s]	1,0 - 2,5	1,0 - 3,2	1,0 - 3,2	1,0 - 2,5	1,0 - 3,2	1,0 - 3,2	1,0 - 3,2	1,0 - 3,2
Diving depth [m]	0,2 - 1,0	0,2 - 1,0	0,2 - 1,0	0,2 - 1,0	0,2 - 1,0	0,2 - 1,0	0,2 - 1,0	0,2 - 1,0

HydroStar®
Die Turbinenschwimmanlage

The **premier class** for your pool

ENDURANCE TRAINING

FOR PROFESSIONALS



BINDER
HydroStar®
Die Turbinenschwimmanlage

BGA600 and BGA1200

Are you looking for a challenge?
Then we'll push you to your limits ...

The HydroStar BGA600 is our largest single turbine, with a flow rate of 600 m³/h. For those looking for an even greater challenge, we also offer this turbine as a twin-unit system with a flow rate of 1,200 m³/h.

The most powerful counter-current system on the market!

What does 600 m³/h mean?

HydroStar moves 600 m³ of water in one hour. A pool measuring 3 x 6 x 1.5 m has a volume of 27 m³. At full capacity, all the water flows through the turbine once within 2 minutes 30 seconds. Circulation pumps take around 6-8 hours to move this volume of water!

This is what sets the BGA600 and BGA1200 apart from the rest of our product range

The outlet opening on the BGA600 and BGA1200 has a diameter of 25 cm. On our BGA160 and BGA215 turbines, it is 15 cm, whilst on the BGA275 the outlet opening is 18 cm.

The flow is considerably wider due to the larger outlet opening and envelops the swimmer's body even more effectively. Although the flow is stronger, it feels gentler.

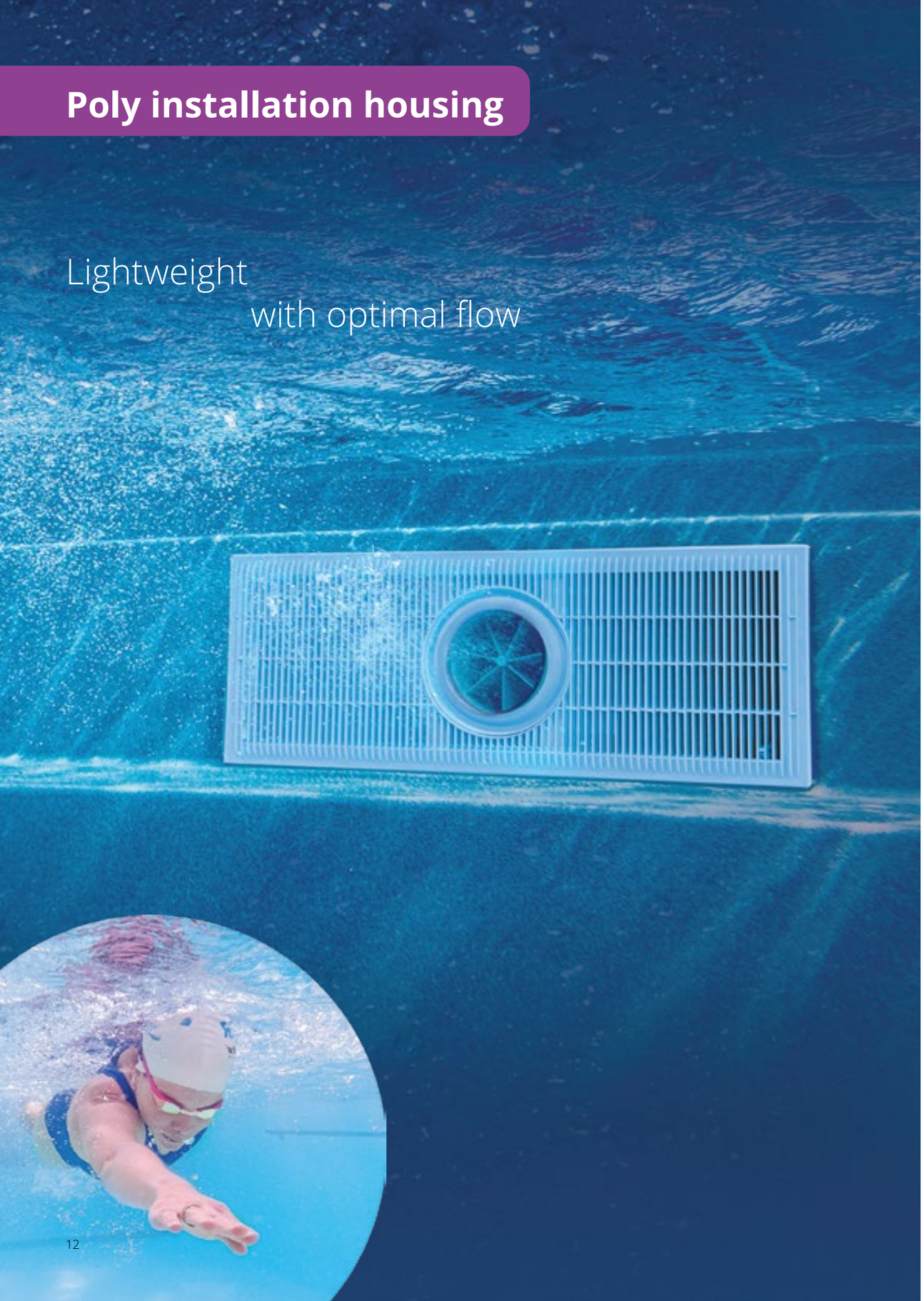
If you want to win, there's no holding back!

HydroStar prepares you perfectly for competitions, as our counter-current system allows you to train your strength, technique and endurance all at once. You can also use the BINDER24 app to create personalised training plans. The ideal conditions for coming out on top!



Poly installation housing

Lightweight
with optimal flow



BINDER
HydroStar®
Die Turbinenschwimmanlage

Polypropylene installation housing for wall installation

The poly installation housing is flat, but can accommodate the turbine variants of the BGA160, BGA215 and BGA275 single-unit systems.

Easy installation

Thanks to its clever design and the high-quality polypropylene plastic, the Poly installation housing for wall installation is 60 per cent lighter than a stainless steel shaft. This makes it even easier to install.

Corrosion-resistant

Provided the water parameters are optimal, the fact that it contains no metal makes it significantly less sensitive to low pH levels or excessive salt dosing.

Stainless steel

As with all our installation housings for wall installation, we also fit the Poly installation housing for wall installation with a cover grille to safeguard the floats. For those who prefer a classic look:
The Poly installation housing for wall installation is also available with a stainless steel cover grille.



Find out
MORE here!

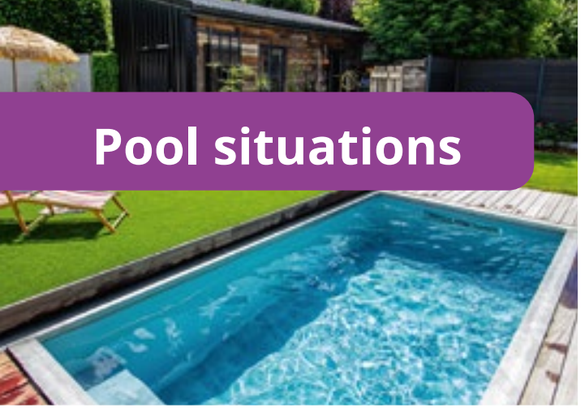
Aerodynamically optimised shape

Both the installation housing for wall installation and the cover grille are designed to ensure optimum airflow.



Cover grille with click-fit mechanism

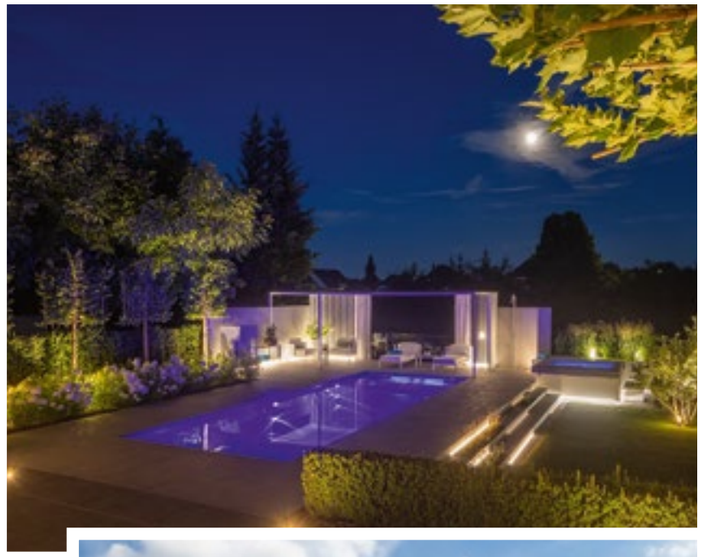
The plastic cover grille can be clicked into place on the installation housing for wall installation using a click-fit system and removed again.



Pool situations











BINDER

Designed for different types of pool

As individual as your pool

Whether for new builds, refurbishments or retrofits: BINDER's patented turbine swimming systems offer the right solution for almost any pool situation. A range of installation housing variants is available for HydroStar, tailored to the pool type, material and installation conditions. For pools where no installation housing for wall installation is provided, EasyStar and LittleStarlet complement the range as flexible suspended solutions.

Installation options

With the following types of installation housing, you'll find the right solution for almost any pool.

Shaft type 1 – for standard installation scenarios

- **Concrete pool with a liner**
  Installation housing for wall installation set in concrete within a recess.
- **Stainless steel basin**
  Installation housing for wall installation welded into the cut-out or bolted on from the rear.
- **One-piece bath**
  Installation housing for wall installation. Factory-made basin, delivered in one piece.

Note:
When designing one-piece baths made of GRP or polypropylene, particular attention must be paid to wall slopes and perimeter steps.

Shaft type 2 – specifically designed for tiled concrete basins

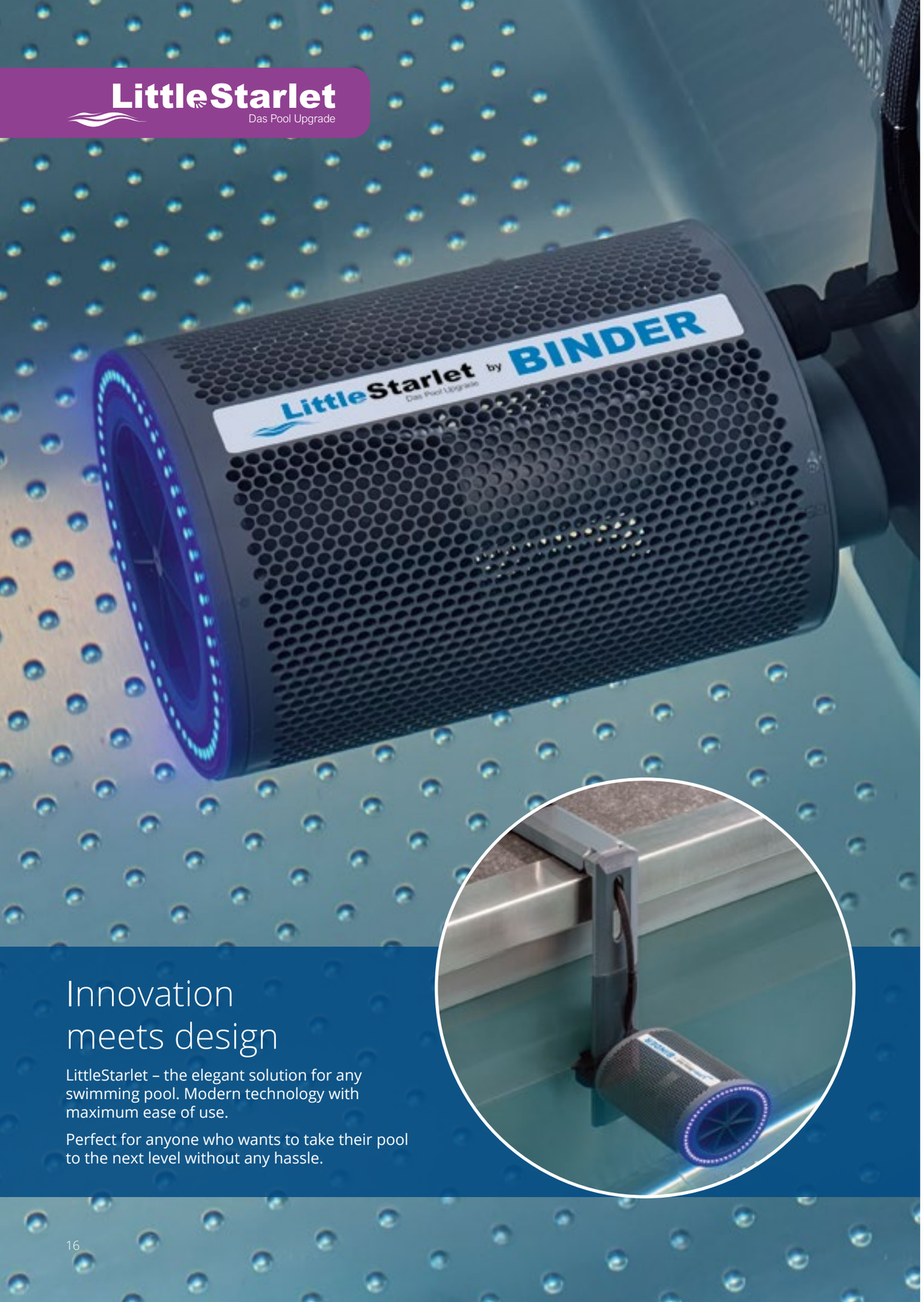
- **Concrete pool with a tiled lining**
  Special 50 mm high tile flange to act as a water stop at the front edge of the shaft.

Shaft type 3 – for sophisticated exposed concrete solutions

- **concrete pool**
  Special 50 mm high tile flange to act as a water stop, positioned 120 mm from the front edge of the shaft.

An alternative for pools without an installation housing for wall installation

For pools where no installation housing for wall installation is provided, or where retrofitting needs to be particularly straightforward, EasyStar and LittleStarlet offer **practical and high-performance suspended solutions** for swimming in your own pool.



Innovation meets design

LittleStarlet – the elegant solution for any swimming pool. Modern technology with maximum ease of use.

Perfect for anyone who wants to take their pool to the next level without any hassle.

BINDER
LittleStarlet
Das Pool Upgrade

LittleStarlet

The stylish turbine swimming system for new and existing pools

Swimming fun at the very highest level – even in the smallest of spaces!

With the LittleStarlet turbine swimming system, you can transform any pool into a real swimming paradise. Thanks to its extremely compact dimensions (Ø 25 cm x approx. 40 cm), LittleStarlet is the perfect solution for anyone who does not want to compromise on a powerful counter-flow system. Even in small pools or confined spaces, the system can be retrofitted easily and flexibly – even on a step!

Innovation meets design

LittleStarlet is not just atechnical highlight, it is also visually striking: the completely redesigned housing incorporates a modern LED ring directly at the outlet. This allows you to add stylish touches to your pool whilst enjoying a particularly pleasant swimming experience.

Mounting bracket UniMount

For existing pools or newly built ones, the mounting bracket UniMount allows an installation on the edge of the pool in just a few steps.



Technical highlights

- Flow rate up to 180 m³/h
- Compact design (Ø 25 cm x approx. 40 cm)
- Quiet operation
- Easy to control via the BINDER24 app
- LED ring for atmospheric lighting effects

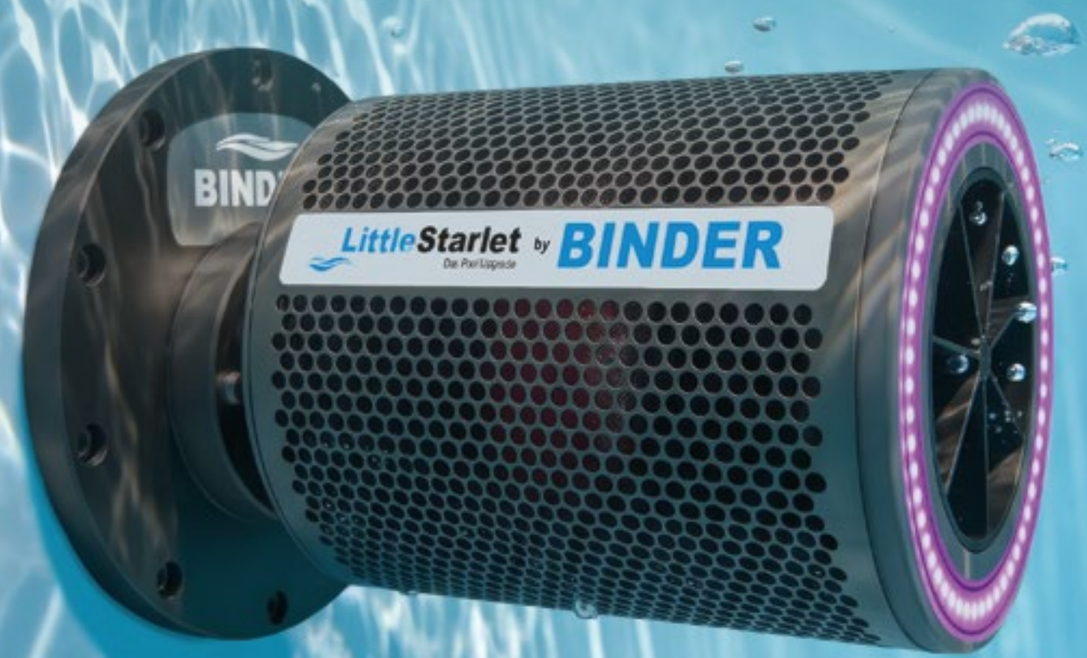
Benefits at a glance

- Easy installation
- Intuitive operation
- Individually adjustable water flow for exercise or relaxation
- High-quality, durable workmanship
- An elegant, timeless look
- Comfortable swimming fun
- Effective training

LittleStarlet – for comfortable **swimming fun** and effective **trainings**

LittleStarlet
Das Pool Upgrade

Turbine power instead of a pump **quickly reconfigured**



AI MODIFIED

LittleStarlet

**Your upgrade
for even more swimming fun.**

BINDER
LittleStarlet
Das Pool Upgrade

Pump off. Turbine on.

A quick upgrade to LittleStarlet thanks to the WallMount mounting plate

Are you unhappy with your old counter-current system?

With the WallMount mounting plate, you can easily replace your old pump-based counter-current system with a LittleStarlet.

The built-in housing of your existing system, which is firmly fixed to the pool wall, remains completely intact; there is no need for any labour-intensive dismantling or structural alterations to the pool. The WallMount mounting plate is screwed directly onto the existing housing and forms the basis for the secure attachment of the new LittleStarlet counter-current system.

In future, the flow will be handled by the new, high-performance turbine.







WallMount mounting plate

- Easy replacement thanks to installation directly onto the existing system
- Without any alterations to the pool
- Corrosion-free PVC
- Suitable for various pump systems. Please feel free to contact us.

EasyStar®
Die Nachrüstanlage

Easy to fit. Pure joy of life!

Hang it up, screw it in place, lay the cables, fit the control unit, and let the fun begin.



EasyStar
BGA160/215/275



EasyStar
BGA320/430/550



PLUS X AWARD
2024 | Achieved for:
High Quality
Design
Ease of Use
Functionality
Ergonomics
www.plusxaward.com

You can find technical product information on our website.

AI GENERATED

BINDER
EasyStar® Die Nachrüstanlage

Can be retrofitted at any time

EasyStar – the more for each pool...

For anyone who already has a swimming pool, BINDER offers the elegant EasyStar retrofit system. It has the same functions and performance as the HydroStar. Available with a light grey or traffic white casing.

Swimming endlessly

Would you like to swim endlessly without having to turn all the time? EasyStar makes this possible and offers the ideal solution for every level of fitness. Just as with HydroStar, you can easily put together your own personalised training programme for EasyStar in the BINDER24 app.

Quick and easy installation by your specialist retailer

We make it as easy as possible for specialist retailers to install our EasyStar retrofit system. Whether EasyStar is to be fitted in a pool with a skimmer or an overflow, our mounting bracket guarantees a quick installation. Even with simple above-ground pools!

Six performance levels

Whether for play, fun, relaxation or intensive training: the retrofit system is available in six performance levels with flow rates ranging from 160 to 550 m³ per hour – customised solutions with a flow rate of up to 600 m³ per hour are also possible. Please feel free to contact us!





A current just like in nature



Localised stress in conventional counter-current systems.



Wide and uniform upper and lower airflow thanks to BINDER's patented turbine technology.

BINDER24 app

The video about the app

See all the features
in a short film:



BINDER24 APP

Your personalised training programme

App control as standard

Since May 2026, all +System installations have been fitted with app control as standard. Older installations can receive an app upgrade on request.

Easily regulate the flow rate

With the BINDER24 app, you can easily control the flow rate of HydroStar, EasyStar and LittleStarlet via your smartphone or tablet and adjust it to suit your individual needs.

Apple users

The app also works with an Apple Watch. To use it, you will need an Apple mobile device with the app installed (iPhone or iPad). Installation on the Watch either takes place automatically or can be carried out manually on the mobile device. To operate the turbine swimming systems, the mobile device must be paired with the Watch and the app must be running on the device.

Lighting

Our atmospheric LED lighting systems can also be controlled using the app.

Personalised training programme

Create your very own personalised training programme – quickly and easily.

1. Use the ‘Minute’ and ‘Second’ buttons to set the desired timer duration.
2. Use the slider to set the intensity.
3. Tap ‘Add’ to add the level to the training programme (individual levels can be changed later by tapping on the level).
4. The ‘warm-up’ adds a 30-second stage with 0% intensity to the start of your programme, to allow you to prepare for your workout during this time.
5. Finish by clicking ‘Save’.

The app is available for Android and iOS on the Google Play Store and the App Store respectively.

Download for Android

Download IOS

Download and install the app
The BINDER24 app is available on the Google Play Store and the App Store. It can be used on all mobile devices.

Connecting to the turbine swimming system
The system controller and the mobile device must be connected to the same network.

Switch on
Launch the app and make the most of the various settings, or create your own personalised training programmes.

Lighting

For moments full of atmosphere

AI GENERATED



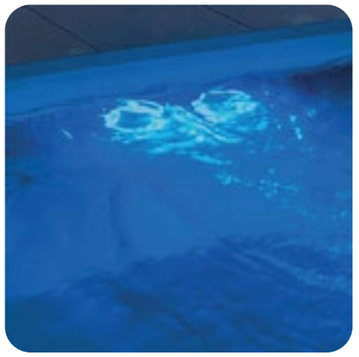
LED light ring

Do you dream of a MORE atmospheric pool?

Then we have just the thing for you! How about, for example, our ambiente LED for the installation housing for wall installation? Or the stylish LED light ring for the turbine? Whichever you choose, both systems bathe the pool in atmospheric coloured light and create a wonderfully relaxing atmosphere. You can control them easily using the remote control or via the BINDER24 app.

LED light ring for a varied play of colours

The LED light ring around the outlet creates an atmospheric ambience and makes it easier to find your way whilst swimming. Its unique design has even won an award: the German Design Award 2022 in the ‘Excellent Product Design – Lighting’ category.



- For HydroStar and LittleStarlet
- RGB colour mode with colour change
- Colour shades > 6,000 RGB mixed colours
- Luminous flux, mixed colour: max. 365 lm, 10.5 watts
- Controlled via remote control and the BINDER24 app
- Voltage 24 V DC
- Dimmable
- Protection class IP68
- Includes a 10 m cable, extendable to a maximum of 30 m using a 4-core cable (min. 1 mm² or larger)



Ambiente LED lighting adds stylish touches to your pool

The ambiente LED illuminates the turbine shaft from within, with varying intensities and a range of colour modes. It is available for both flat and standard installation housings for wall installation, as well as for single and double turbines.



- For HydroStar
- RGB colour mode with colour change
- Colour shades > 6,000 RGB mixed colours
- Short LED 850 lm, 22 watts; long LED 1700 lm, 43 watts*
- Controlled via remote control and the BINDER24 app
- Voltage 24 V DC
- Dimmable
- Protection class IP 68
- Includes a 30 m cable (cannot be extended)

*depending on the size of the installation housing for wall installation



Piezo

Flow rate at the touch of a button

How much fun would you like to have in the pool today?

With our handy piezo button, you can quickly and easily adjust the power of the turbines directly in the pool: ON / OFF and stronger / weaker flow





The piezo is available in a range of designs, ensuring it blends in perfectly with your pool.



All models are installed in the pool wall below the water's surface and have an IP68 protection rating.

BOB

A stunning play of colours with BOB –

the unique illuminated optical control panel

Everything at a glance

With BOB, we combine elegant design with functionality of the highest standard. Operating the counter-current system has never been so enjoyable. The illuminated control panel uses small LEDs to display the set flow rate.

Simple

With BOB, the system can be operated directly from the pool. The LED display shows the set flow rate.

Safe

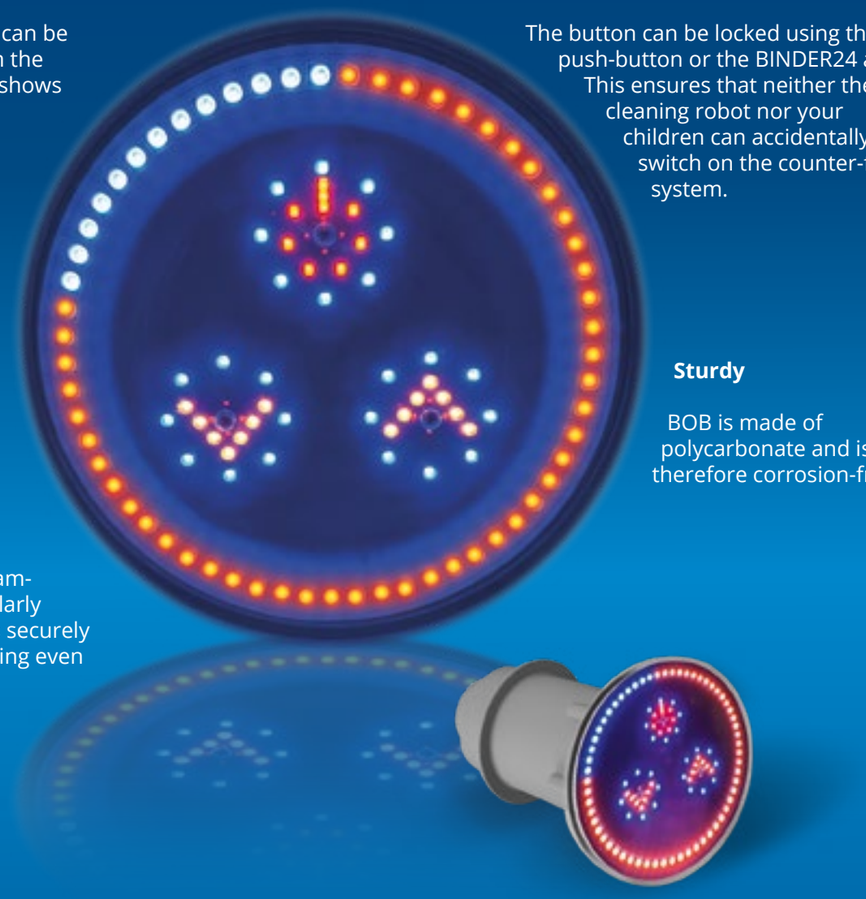
The button can be locked using the push-button or the BINDER24 app. This ensures that neither the cleaning robot nor your children can accidentally switch on the counter-flow system.

Dynamic

All visual settings are synchronised directly with the BINDER24 app.

Clever

The push-button's seamless surface is particularly hard-wearing and sits securely in the mounting housing even without screws.



Sturdy

BOB is made of polycarbonate and is therefore corrosion-free.

HydroStar®*PRO*
Die Turbinenschwimmanlage

Just go
with the flow ...

... in the perfect
Lazy River.

BINDER
HydroStar®*PRO*
Die Turbinenschwimmanlage

Lazy River

The benefits of our turbine technology for artificial Lazy Rivers

Professional and customised

Lazy Rivers are designed to suit individual requirements. Much of the work is bespoke. To achieve optimum flow with HydroStar *PRO*, the cover grilles and outlet openings are customised at the factory. Depending on the course of the river, installing one unit **every 8 to 10 metres** is sufficient.



More energy-efficient and continuous operation

Artificial Lazy Rivers created with HydroStar PRO do not compete with other water attractions. Furthermore, one of their greatest advantages is the significantly lower energy consumption.

Easy installation and minimal assembly required

1. Cut an installation housing for wall installation into the pool wall
2. Install the turbine in the installation housing for wall installation
3. Connect it to the electronics

The turbine swimming system is very compact: apart from the installation housing for wall installation and the control unit, no further installation components are required. The control cabinet requires a well-ventilated, dry room. The structural work involved is considerably greater with conventional systems.

Frost-resistant and low-maintenance

Unlike conventional systems, this low-maintenance turbine swimming system does not need to be dismantled in winter!



The advantages of turbine technology are particularly evident in artificial river landscapes.

- **Electricity price: €0.4 per kWh**
- **15 kW pump vs. 1 kW turbine**
- **Daily operating time: 10 hours**
- **After 100 days of operation**

PUMP COSTS:
0.4 x 15 x 10 x 100 = €6,000

TURBINE COSTS:
0,4 x 1 x 10 x 100 = €400

The electricity costs of the turbine are 1/15 of those of the pumping system.

Trial swimming



Experience our unique
turbine swimming system
up close!

BINDER

Sign up for
trial swimming!

Immerse yourself, exercise your body, relax your mind. Feel a sense of lightness and spaciousness; let the current glide over your skin.

BINDER offers endless swimming fun thanks to innovative technology and top quality – made in Germany!

Experience for yourself the **natural-feeling current** of the turbine swimming system.

Book an appointment now:

optimal swim training

natural counter flow

maintenance-free turbine

easy to retrofit

energy-efficient operation

My own notes

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BINDER GmbH & Co. KG, Eike-Kerstein-Straße 4, 31789 Hameln, Germany
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Printed by: werbewerk.media, Zum Hasseldahle 2, 31789 Hameln, Germany



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Still not sure?
Book a trial swimming session!