

# Wellness systems.

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Token fee € 3,50 / USD 6,00

Technology for all senses.

**TRAUTWEIN**



## APPLICATIONS.

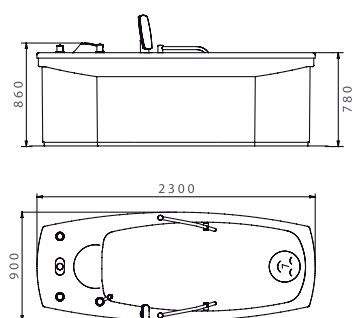
Bathing in our Hydroxeur® whirlpools is a treat for all your senses: up to 290 ergonomically arranged nozzles provide you with an unusually intensive and bubbly massage. Emulating the skills of an experienced therapist, the massage begins at the soles of your feet and makes it way up to your neck, continuing this pleasant full-body experience for the duration of the programme.

## EFFECTS.

- › Relieves tension.
- › Reduces cellulitis, rheumatism and arthritis.
- › Improves circulation.
- › Stimulates the lymphatic system.
- › Tautens the skin and connective tissue.
- › Has a slimming effect.

# Relaxation for all the senses.

Surround yourself with millions of the finest whirls of air and eddies, bathe in a rainbow of colourful lighting and breathe in the finest fragrances. Enjoy the gentle music and massage, and bid the stress of your day farewell. Pamper all your senses. Your regained sense of equilibrium will have a positive effect on every aspect of your life. The **Hydroxeur®** is your very own therapist and offers complete relaxation with its wide variety of functions.



Alpha cladding dimensions

Royal 600  
Atlantis 500  
Florida 300  
California 300

Additional information  
on page 15 A



Alpha cladding,  
two colours



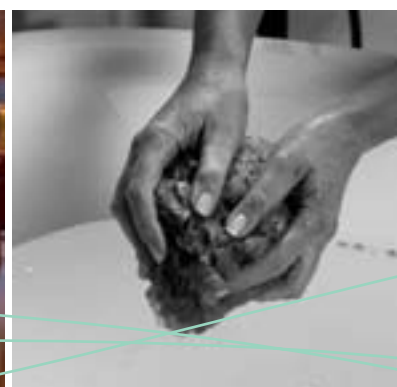
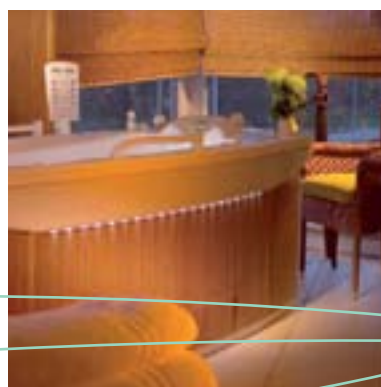
Alpha cladding,  
with bamboo



Alpha cladding,  
with stainless steel



Alpha cladding,  
with mosaic



## SAFETY.

Your safety is one of our greatest concerns, which is why we have equipped the Hydroxeur® accordingly: handles ensure a safe and relaxing bathing experience, and an adjustable tub shortener provides optimum support. An optional, integrated step also makes it easier to get in and out of the tub.

## DESIGN.

The Hydroxeur® is a quick-change artist: from design cladding in any colour of the Trautwein range to the illustrated variations, our baths will fit perfectly into your bathroom interior. Numerous design options are available. A ceramic version can also be integrated into the bathroom.



## HYGIENE

The Hydroxeur® principle involves air being injected directly into the water pipes. All the air and water nozzles are supplied by the same system, which means cleaning solutions and disinfectant are taken to hard-to-reach places. The automatic disinfecting programmes take care of hygiene, so you don't have to.

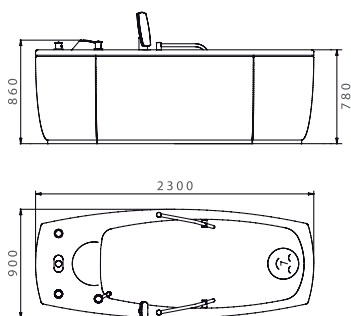
## FEATURES.

- › 60 to 290 water and air nozzles offer optimum pulsating vibration and jet massage.
- › Anatomical massages according to reflex zones. The nozzles are aimed towards the heart area.
- › Up to 8 water jet pumps for adding air.
- › Can be programmed for a customised massage.



# The Hydroxeur® principle.

Experience Trautwein's unadulterated philosophy. Our Hydroxeur® whirlpools make use of a unique function principle to mix fine bubbles into the water. Not only does this champagne effect result in a top-quality underwater massage, it also has a therapeutic effect that is one of a kind. For those who prefer the finer things in life, Trautwein offers the **Royal, Atlantis, Florida** and **California** Hydroxeur® whirlpools. For us, top quality wellness is not only about healthy benefits, it's also about technological features of the highest quality.



Omega cladding dimensions  
 Royal 600  
 Atlantis 500  
 Florida 300  
 California 300

Tiled  
 HYDROXEUR®

Additional information  
 on page 15 A



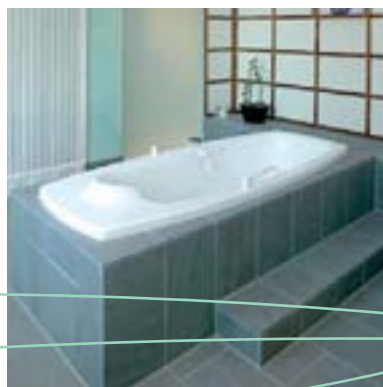
Control panel  
 ROYAL 600  
 ATLANTIS 500



Control panel  
 FLORIDA 300



Control panel  
 CALIFORNIA 300



## ACCESSORIES AND SPECIAL FEATURES.

- › Massage hose for manual massage.
- › Additional nozzles for an even more intensive massage.
- › Colourful lighting for the perfect wellness atmosphere.
- › Convenient automatic filling and emptying.
- › A soft, inflatable pillow comes as standard.

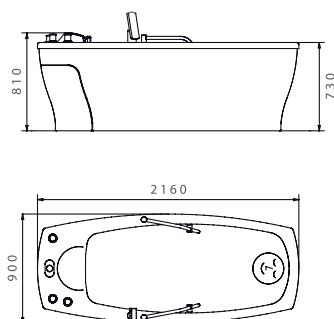


## TREATMENTS

With a Hydroxeur®, you can offer a wide variety of bath options, be it a detox treatment, aromatherapy or thalassotherapy, all of which the Hydroxeur® is best equipped to handle. It is also available with special fittings for thermal, mineral and seawater.

# Shorter models.

Due to their dimensions, the **Florida 100**, **California 100** and **Diane 100** Hydroxeur® whirlpools are perfect for smaller rooms and are also more affordable. Thanks to the Hydroxeur® principle, these whirlpools are high class and offer a unique way to unwind at the end of the day.



Dimensions  
Florida 100  
California 100  
Diane 100



Control panel  
FLORIDA 100



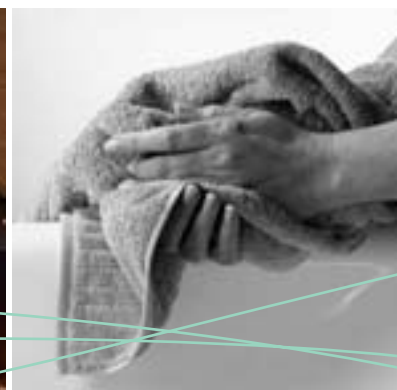
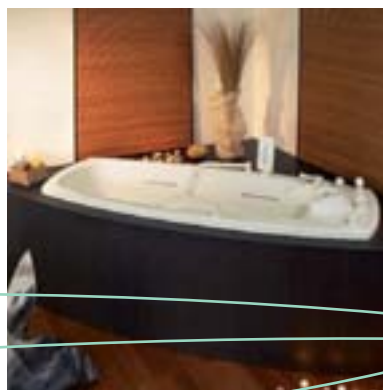
Control panel  
CALIFORNIA 100



Control panel  
DIANE 100

Tiled  
HYDROXEUR®

Additional information  
on page 15 A



## CONTROLS

- › Individually adjustable programmes.
- › Standard programmes.
- › Individual body zones can be turned on or off.
- › Customised treatment duration.
- › Constant massage using all nozzles.
- › Tub is filled, emptied and cleaned automatically.



## INTENSIVE BUBBLY MASSAGE.

The California Twin massages two bathers with 120 water and air jets. Colourful beams of light fill the water and create a pleasant atmosphere. The Hydroxeur® principle provides the perfect treatment, from fragrant aromatherapy to thalassotherapy.

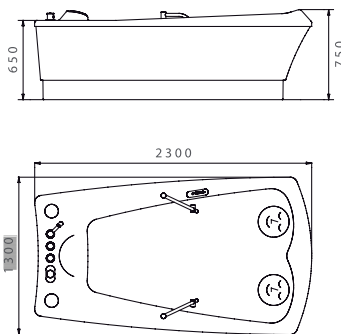
## RANGE OF APPLICATIONS.

The Hydroxeur® whirlpool is ideal for commercial use in spas and spa suites or for private use in upmarket homes. Because it is so easy to use, it is also suitable for use in hotel suites.



# Well-being for two.

The California Twin Hydroxeur® whirlpool is unique in that it has room for two people. It provides you with four types of wellness at once: colourful light therapy, water and air massage, sound wave massage and aromatherapy.



California Twin dimensions

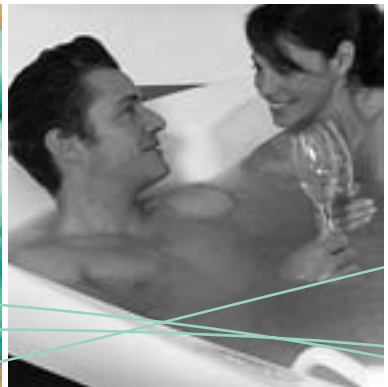
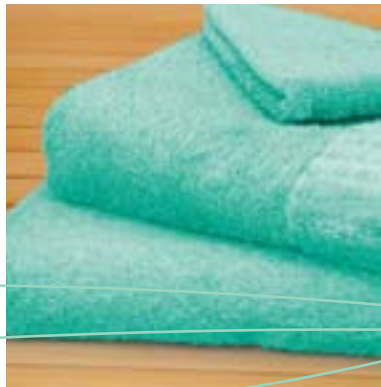


Plastic cladding  
Blue



Plastic cladding  
White

Additional information  
on page 15 A



## SOUND WAVE MASSAGE.

In addition to the standard massage functions, the California Twin pampers you with a sound wave massage. The tub acts as a loudspeaker, massaging you with sound waves and allowing you to listen to and feel the relaxing music.

## DESIGN.

The California Twin can be easily integrated into your bathroom, a hotel spa or a health farm: the tub can be built in or tiled completely or partially.

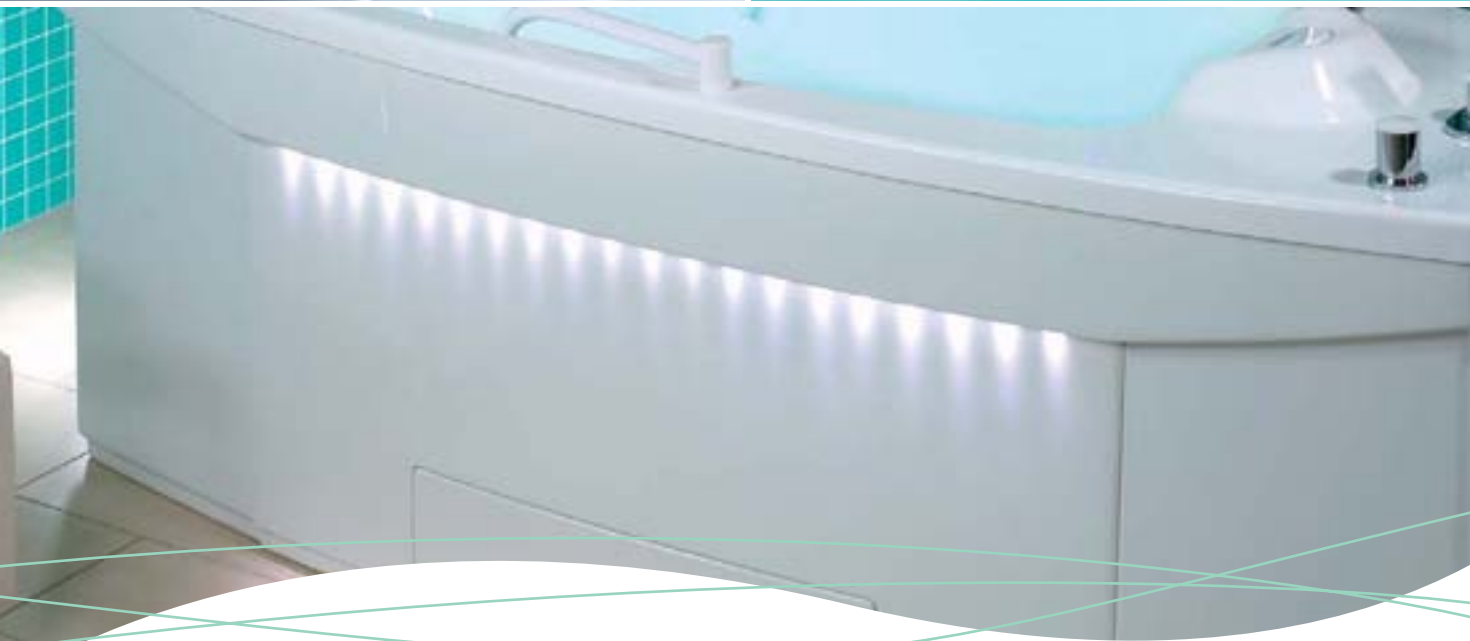
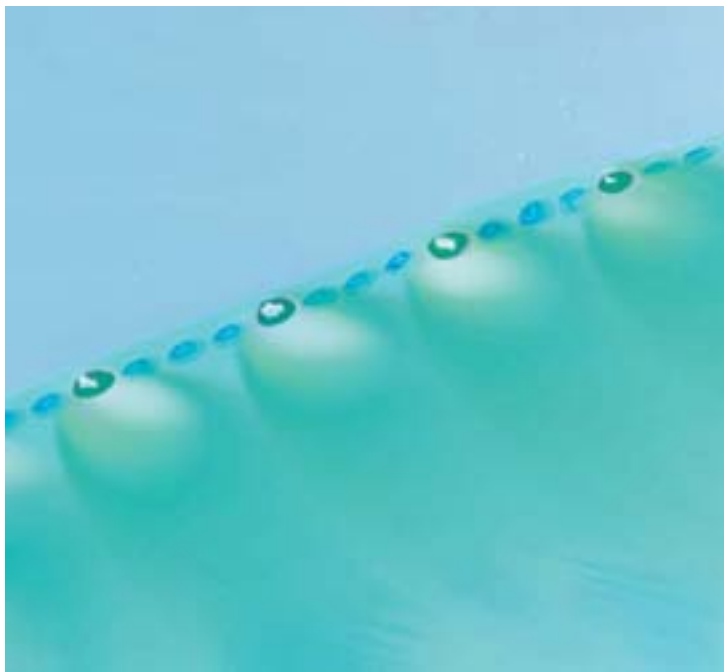
An especially attractive effect can also be achieved with the indirect cladding lighting.

# Hydroxeur® whirlpool models.

|                   |   | CONTROL PANEL |           |              |             |             |                |                |                 |
|-------------------|---|---------------|-----------|--------------|-------------|-------------|----------------|----------------|-----------------|
|                   |   | MODEL         | Royal 600 | Atlantis 500 | Florida 300 | Florida 100 | California 300 | California 100 | California Twin |
| MESSAGE           | Standard number of water/air nozzles  |               | 252       | 172          | 144         | 144         | 60             | 60             | 120             |
|                   | Number of water/air nozzles increased to (optional)                               |               |           | 230          | 172<br>290  | 172<br>290  |                |                |                 |
|                   | Number of zone groups treated   |               | 8         | 8            | 5           | 5           | 1              | 1              | 2               |
|                   | Number of body zones massaged   |               | 20        | 20           | 16          | 16          | 4              | 4              | 8               |
|                   | Added air with champagne effect powered by water jet pump (Hydroxeur® principle)  |               | ●         | ●            | ●           | ●           | ●              | ●              | ●               |
|                   | Added air warmed  |               | ●         | ●            | ●           | ●           | ●              | ●              | ●               |
|                   | Stomach massage feature   |               | +         | +            | +           | +           |                |                | +               |
|                   | Manual massage feature  |               | +         | +            | +           | +           |                |                | +               |
| FEATURES          | Stop/start button accessible to bather  |               | ●         | ●            | ●           | ●           | ●              | ●              | ●               |
|                   | Chrome-plated design fittings   |               | ●         | ●            | ●           | ●           | ●              | ●              | ●               |
|                   | Ergonomically shaped tub (220 litres)   |               | ●         | ●            | ●           | ●           | ●              |                | ●               |
|                   | Pump output, litres/minute  |               | 850       | 850          | 400         | 400         | 250            | 250            | 400             |
|                   | Power supply (other voltages on request)  | Volts<br>Hz   | 400<br>50 | 400<br>50    | 230<br>50   | 230<br>50   | 230<br>50      | 230<br>50      | 230<br>50       |
| CLADDING          | 1. Alpha cladding   |               | ●         | ●            | ●           |             | ●              |                |                 |
|                   | 2. Alpha cladding, two colours  |               | +         | +            | +           |             | +              |                |                 |
|                   | 3. Alpha cladding, with bamboo  |               | +         | +            | +           |             | +              |                |                 |
|                   | 4. Alpha cladding, with stainless steel   |               | +         | +            | +           |             | +              |                |                 |
|                   | 5. Omega cladding (not with 2, 3 or 4)  |               | +         | +            | +           |             | +              |                |                 |
|                   | 6. External lighting  |               | ●         | +            | +           |             | +              |                | +               |
|                   | 7. Tiling frame   |               | +         | +            | +           | +           | +              | +              | +               |
|                   | 8. Cladding in RAL colours (standard = white)                                     |               | +         | +            | +           | +           | +              | +              | +               |
| OPTIONAL FEATURES | Colourful lighting with 80 LEDs   |               | ●         | +            | +           | +           |                |                |                 |
|                   | Colourful lighting with 2 LED spotlights  |               |           |              |             |             | ●              | ●              | ●               |
|                   | Sound wave massage with music   |               |           |              |             |             | ●              | ●              | ●               |
|                   | Automatic tub filling   |               | ●         | +            | +           | +           | ●              | ●              | ●               |
|                   | Emergency call function   |               | +         | +            | +           | +           | +              | +              | +               |
|                   | Steps matching the cladding   |               | ●         | ●            | ●           | +           | ●              | +              | +               |
| HYGIENE           | Hygiene pack (chlorine granules, Adisan, Bayromed)                                |               | +         | +            | +           | +           | +              | +              | +               |
|                   | Automatic cleaning and disinfecting programme                                     |               | ●         | +            | +           | +           |                |                |                 |
|                   | Automatic disinfecting programme with chlorine according to the Austrian standard |               | +         | +            | +           |             |                |                |                 |
|                   | Automatic rinsing programme   |               | ●         | +            | +           | +           |                |                |                 |

Subject to technical changes      ● = standard      + = optional

# Hydroxeur® in detail.



## USE

- › An attractive, shell-shaped inlet fills the tub quietly and quickly.
- › A thermostat protects against scalding and guarantees the right water temperature. The rated output is 48 l/min.

## LIGHTING.

- › Flicker-free and pure, colourful underwater lighting: integrated, powerful LED colours light up the bathwater with alternating colours of the rainbow. This chromotherapy has a regenerating and revitalising effect.
- › The optional, indirect LED lighting on the cladding creates an atmospheric ambience.

# Physical Therapy.





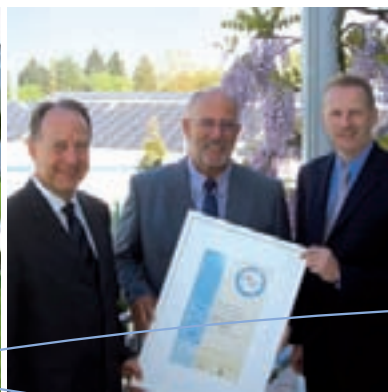
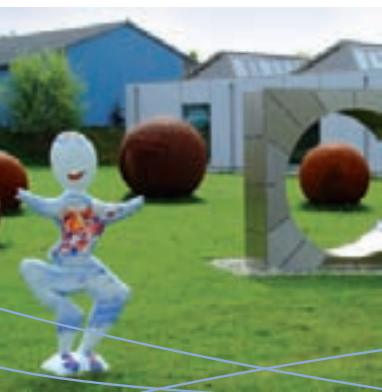
# Physical Therapy.

Physical therapy is an essential component of modern medical treatment. High quality equipment fulfilling medical requirements is necessary for successful competition on the therapeutic devices market. Modern and efficient solutions cover a great number of different forms of therapy.

Putting your trust in Trautwein is justified: we have been physical therapy equipment system specialists since 1928. Our products are perfected continuously, in close cooperation with professional therapists and doctors. A special development department ensures that our equipment always corresponds to the latest standards of technology and safety. Innovation, numerous patents, certification in compliance with the German Medical Product Law (MPG) and many customers all over the world speak for our high standard of quality.

Our equipment systems cover the whole range of physical therapy – from combination systems, partial baths to fango preparation systems. The technically perfected solutions by Trautwein guarantee pleasant and safe treatment for the patient and simple and easily understandable operation for the therapist.

Please visit [www.trautwein-gmbh.com](http://www.trautwein-gmbh.com) for current information and product innovations.



## ◀ 100% solar.

We accept responsibility for our environment: our 1,800m<sup>2</sup> solar power station produces far more than 100% of our total power requirement. Trautwein was even awarded an environmental prize by the WWF in 2000.

## THE WORLD RELIES ON TRAUTWEIN.





Especially as far as products for physical therapy, patient care and wellness are concerned. Our over 10,000 satisfied customers on every continent include clinics, care facilities, rehabilitation centres, therapeutic practices, homes for the elderly, hotels and private customers.

## TOP QUALITY.

High quality materials are decisive for the durability of a product. This is why Trautwein tubs are made of reliable **sanitary acrylic** material and only quality fittings are used. The fully dyed easy-care material retains its hygienically smooth surface and brilliant shine for decades.

# Contents.



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## JUST TRY THEM OUT.

See the exceptional quality of our products for yourself. Visit our headquarters in Emmendingen (Baden-Württemberg, Germany) or one of our sales partners to take a look at products of the Trautwein range.

Please phone **Tel. +49 (0) 7641/46 77-30** for more information about a sales partner near you or if you would like to make an appointment.

## TECHNICAL DETAILS.

**Pre-assembly drawings and detailed technical descriptions** are provided in the main catalogue for all available equipment. Tub and covering material colours in the Trautwein range of colours are available at no extra charge.

# Underwater massage and combination systems.

Model Landshut UW GF 1800 AC



The underwater and combination systems **Landshut, Wörishofen, Boppard and Freiburg** are available equipped with various modules: underwater massage (UW), electro-galvanic control system for a galvanic bath called a 'Stanger' bath (GI or GF) and a dry CO<sub>2</sub> gas bath unit. The systems are compliant with the German Medical Products Law (MPG) and guarantee simple and convenient operation.

Quality fittings, a perfected electronic system and high-grade **acrylic tub material**, robust plastic coating and solid fabrication ensure outstanding durability.



- « Microprocessor-controlled electric element, type GF
- « Microprocessor-controlled electric element, type GI
- « Model Boppard, type UW GI 1800 AC
- « Model Freiburg, type UW GI CO<sub>2</sub> 2000 AC

## UNDERWATER MASSAGE UW.

- › Powerful plastic pump (200l/min) with dry operation protection, jet hose and various nozzles.
- › Massage pressure control with display, 0-5 bar.
- › Optional: whirlpool system with eight nozzles.

## DRY CO<sub>2</sub> GAS BATH.

- › Complete equipment including steam generator, warm air blower and exhaust.

## GALVANIC BATH GI OR GF.

- › Adjustable and completely removable stainless steel electrodes allow hygienic cleaning.
- › Optional: additional hang-in electrode for specific arm or leg treatment, special size electrodes.

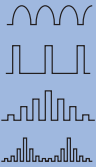
## ACCESSORIES.

- › Support handles for safe entry and exit, hand shower.
- › Optional: adjustable bath tub size reducer, positioning strap, adjustable head rest, tub access steps, emergency call.

# Great combination.

Many practical and intelligent details featured by Trautwein systems guarantee comfortable working conditions. Fast filling and emptying is ensured by an efficient 1 1/4" basin inlet pipe connection, with automatic filling facility on request, and a 2 1/2" outlet pipe connection.

Solutions for individual needs can be selected from the great number of models and sizes (bath tubs with two different internal dimensions of either 1,800 or 2,000mm for 600 or 800 litres are available). Tub and covering material are available in several colours from the specified colour range at no extra charge.

| Comparative performance of the two electro-galvanic control elements |  |  |
|--|--|--|
| Control/Type   | Microprocessor-controlled GI   | Microprocessor-controlled GF   |
| Technical equipment  | Digital display instruments, timer for duration of treatment   |  |
| Galvanic current   | 0-24 volt, max 2 ampere  | 0-24 volt, max 1.5 ampere  |
| Therapeutic action, indications e.g.                                 | Stimulating or soothing effect on the nerves, depending on polarity. Perfusion is promoted. Rheumatism, arthroses, arthralgia, vascular disorders, improved metabolism, vegetative dystonia, Sudeck's syndrome, iontophoresis.   |  |
| Additional types of electric current                                 | Pulsed current   | Faradaic current   |
| Therapeutic principle of action:                                     |  <ol style="list-style-type: none"> <li>1. Monophasic sinus half waves, 50Hz</li> <li>2. Square wave, 140Hz, pulse/pause ratio 2/5</li> <li>3. Slow square wave threshold current, i.e. 50Hz square waves, with 0.5Hz sinus waves superimposed</li> <li>4. Rapid square wave threshold current, i.e. 50Hz square waves, with 2Hz sinus waves superimposed</li> </ol> <p>Fast relief for all kinds of painful conditions, stimulation current on muscles, electrical gymnastics for muscle contraction and for muscle strengthening.</p> | Stimulation current only for improvement of subjective sensitivity since max 10% stimulation current is delivered as ripple voltage. |
| indications e.g.:  | Muscular pain, vegetative disorders, post-injury, oedema reabsorption, 'detonification' of hypertonic and contracted musculature, stimulation current massage without continuous tonic   |  |

## HYGIENE.

The hygienic condition of massage and combination systems has to be impeccable. Sterility can be achieved by addition of **BAYROMED®** Active Oxygen. Rinsing with **ADISAN WS** is recommended for removal of any fatty residues or other contamination.

| Equipment options  | Electro-galvanic control GF | Electro-galvanic control GI | Underwater massage UW | Carbonic acid dry CO <sub>2</sub> gas bath | 600l volume | 800l volume |
|--------------------|-----------------------------|-----------------------------|-----------------------|--|-------------|-------------|
| Landshut 1800 AC   | X                           |                             | X                     |  | X           |             |
| Wörishofen 1800 AC |                             | X                           | X                     | X  | X           |             |
| Boppard 1800 AC    |                             | X                           | X                     |  | X           |             |
| Boppard 2000 AC    |                             | X                           | X                     |  |             | X           |
| Freiburg 2000 AC   |                             | X                           | X                     | X  |             | X           |



# Medical tubs.

Wörishofen M 1840 AC with CO<sub>2</sub> withdrawal set



Oxygen, carbon dioxide or air bubble baths can be administered in the **medical tubs** by Trautwein. They can also be used for baths with all sorts of additives or e.g. mud and salt water baths. The tub structure is made of high quality **acrylic material** making it easy to clean, kind to the skin and practical. The models Wörishofen, München and Sylt can be equipped with an adjustable tub size reducer and support handles for maximum safety.



- « Model Wörishofen  
M 2130 AC with CO<sub>2</sub>  
withdrawal set
- « Compressed air, oxygen  
and CO<sub>2</sub> withdrawal set

## SPECIAL EQUIPMENT.

- › Compressed air withdrawal set, type L.
- › Oxygen withdrawal set, type O<sub>2</sub>.
- › CO<sub>2</sub> withdrawal set, type CO<sub>2</sub>.
- › Emergency call signal facility.
- › 2 1/2" outlet pipe connection.
- › Support handles for safe entry and exit.
- › Fittings for mineral water and seawater.

## ACCESSORIES.

- › Tub access steps, adjustable tub size reducer.
- › Air and oxygen bubble mat.

## TECHNICAL DETAILS.

- › 1 1/4" tub inlet pipe connection,  
1 1/2" tub outlet pipe connection.
- › Hand shower for cleaning the tub.
- › Colours included in the specified colour  
range at no extra charges.

# Universal application.

Medical tubs are available in various sizes and designs, e.g. with or without covering or fittings. They can also be used as **raised bath tubs** in hospital wards and can be integrated in the existing facilities by fitting them with tiles.

| Medical tubs                                    |                    |                    |                    |
|---|--------------------|--------------------|--------------------|
| Type  | M 1840 AC          | RD 1700 AC         | M 2130 AC          |
| External  | 1840 x 850 x 680mm | 1700 x 800 x 680mm | 2130 x 830 x 680mm |
| Volume  | 250l               | 200l               | 220l               |
| Filling & showering unit, 1", concealed         | Model Wörishofen   | Model Wörishofen   | Model Wörishofen   |
| Filling & showering unit, 1/2", surface-mounted | Model Sylt         | Model Sylt         | –                  |
| Tub depth                                       | 490mm              | 430mm              | 440mm              |

Carbonic acid impregnation device >

Air bubble mat >>

Oil dispersion nozzle >



## OIL DISPERSION NOZZLE.

Addition of aromatic bath oils can turn a bath into a true feast for the senses. The oil dispersion nozzle allows millions of droplets of high quality oil to be bound to the bath water from where they can be taken up by the skin. For a silky-soft, velvety skin.

## AVAILABLE MEDIA SUPPLY.

Various media supplying equipment is available for Trautwein tubs. This allows the tubs to be used for different forms of treatment.

- > CO<sub>2</sub> impregnation device, type 25 for 2 tubs.
- > CO<sub>2</sub> impregnation device, type 50 for up to 5 tubs.
- > CO<sub>2</sub> and O<sub>2</sub> reduction unit.

# Butterfly-shaped tubs.

Model Ergoform SUW 2100 K



The **butterfly-shaped tub** by Trautwein with a holding capacity of 1,100 litres is ideal for administration of underwater exercises and massages. Its special shape allows plenty of space for sweeping gymnastic exercises for the arms and legs. In addition to underwater massage, the butterfly-shaped tub can also be used for galvanic baths by means of a mobile electrical unit GF or GI (see the table on page 5 for more details).



- « Head rest and exercise bar
- « Fittings

- « Tub size reducer for combination systems and butterfly-shaped tubs

## DETAILS AND ACCESSORIES.

- › Comfortably warm plastic tub structure.
- › User-friendly high quality fittings.
- › Three support handles for safe entry and exit, hand shower.
- › Optional: adjustable tub size reducer, positioning strap, adjustable head rest, tub access steps, emergency call, automatic filling facility, support handle and exercise bar.
- › See page 5 for information regarding hygiene.

## UNDERWATER MASSAGE UW.

- › Powerful plastic pump (200l/min) with dry operation protection, jet hose and various nozzles.
- › Massage pressure control with display, 0-5 bar.

## GALVANIC BATH.

- › Mobile electrical unit equipped with either GI or GF control. Two plastic side elements, complete with electrodes, contact bolts and connecting plugs, for hanging on the tub edge are available.

# Four cell baths.

The treatment options in a four cell bath are numerous: **galvanic baths, equipped with 4 pulsed currents as a standard feature**, are possible as well as Kneipp-style alternating hot and cold water baths or rising temperature baths. Baths with therapeutic alternating temperature jets can be administered automatically with the accessory equipment WBS. A stationary, height-adjustable swivel chair allows the patient to be lifted or lowered as required.

Model Wörishofen GI-VZ WBS



Microprocessor-controlled >  
electrical element GI-VZ  
Electronic control for >>  
contrast bath treatment, WBS

Stationary, height-adjustable >  
swivel chair (500mm lifting  
distance, 150kg max load,  
360° swivel motion)



## GALVANIC BATHS GI-VZ.

- > Microprocessor-control GI-VZ for single and multiple cell treatment (see GI column in table on page 5).

## KNEIPP-STYLE CONTRAST BATHS.

- > The cells are filled with water of differing temperatures. Kneipp therapy involves immersing the arms and legs in the water. Manually regulated rising temperature baths can also be administered.

## CONTRAST BATH TREATMENT WBS (OPTION).

- > Digital indication of warm and cold treatment periods.
- > Digital indication of the number of alternating treatments.
- > Touch pad for easy operation.
- > Service-friendly integration in control panel.
- > Low water consumption due to spraying nozzles.
- Pleasant and comfortable treatment.



# Partial baths.

Pedi-Jet and Mani-Jet



**Mani-Jet** and **Pedi-Jet** are hydrotherapy systems for administration of an intensive underwater massage to the extremities with an intermittent water/air mixture by means of 34 nozzles. The powerful circulating water pump (250l/min) has a dry operation protection and an integrated water jet pump for addition of air. Easy operation is ensured by a digital time switch, a 1/2" thermostat for filling and an air regulation valve.

Patients can be bathed in a sitting position using the hip bath model **Nürnberg**. An integrated lifting mechanism allows the patient to be placed in the tub and taken out again easily. The hip bath is also available without lifter as the model called **Standard**.

- « Hip bath Nürnberg, type S-HS-AC with integrated lift system
- « Hip bath Standard, type S-WA-AC
- « Seat with bidet function for hip bath (option)

## TECHNICAL DETAILS.

- › Colours included in the specified colour range available at no extra charge.
- › Tubs made of seamless deep-drawn acrylic glass.
- › Outer polyester covering.
- › Hygiene information for Mani- and Pedi-Jet, see page 5.

## LIFT MECHANISM FEATURES.

- › Easy lifting out (up to 150kg) by means of the lifting system.
- › Safety due to a currentless air-based control system.
- › Good perfusion of the legs and relaxed sitting due to swing-out leg rest.
- › Easy to clean and disinfect on account of smooth surfaces.
- › Opening in seat for treatment and cleaning of the genital area.

# Partial baths.

Easy and pleasant treatment of individual body parts is possible using Trautwein **partial baths**. Contrast arm and foot baths are used for Kneipp-style treatment, Hauff-style arm and foot baths are available for rising temperature baths.

**Free-standing and wall-mounted shower consoles** in various designs are available for different water qualities.

Free-standing shower console, type DSK.

Water application support structure and protective shield



- Contrast foot bath >
- Model Kneipp, type WF-WA-K
- Electronic control element WB >>
- Contrast arm bath >
- Model Kneipp, type WA-WA-K



## TECHNICAL DETAILS.

- > Colours included in the specified colour range are available at no extra charge.
- > Shower equipment is available in various designs: surface-mounted or flush-mounted, free-standing or wall-mounted versions, with or without 1" contrast shower facility and for various water qualities.

## SPECIAL ACCESSORIES.

The contrast foot bath model Kneipp can be supplied equipped with a contrast bath control system type WBS for automatic contrast baths. See page 9 for a photograph and description. Detailed descriptions, information about sizes and arrangement of fittings are provided in our technical catalogue.

# Fango-paraffin preparation equipment.

FANGO combination



An enormous number of **fango-paraffin preparation systems** by Trautwein have proven themselves in thermal therapy facilities all over the world. Trautwein provides the right size of stirrers, warming cabinets and individual fango preparation equipment for every need. Special sizes and L- or U-shaped arrangements are also available.



- « Stirrer AR 70 with base cabinet FW 5070 E
- « Stainless steel cleaning product

- « The operating element can be mounted at the front or side of the stirrer

## FANGO COMBINATIONS.

Various fango components can be combined as required: warming cabinets FW 4060 and FW 5070, fully electronically controlled stirrers AR and ER as well as work surfaces, sinks, fango disposal trolley, shelves and base cabinets – from simple preparation devices to complete fango ‘kitchens’. Individually designed and quickly installed.

## TECHNICAL DETAILS.

- › The stirrer blade can be removed from the vessel for cleaning very easily.
- › Intermittent stirrer heating avoids overheating the fango material, making it usable for a longer period of time.
- › Service-friendly technology: the complete control unit is easily detachable from the equipment.
- › A defective control system can be exchanged by the customer avoiding any extra service charge.

# Fango made to measure.

| Technical Specifications: Fully electronically controlled stirrers for fango-paraffin preparation |    |   |           |     |  |           |     |
|---|----|---|-----------|-----|--|-----------|-----|
| Technical specifications  |    | Type AR   |           |     | Type ER  |           |     |
|   |    | 50  | 70        | 100 | 50   | 70        | 100 |
| Nominal volume  | L  | 50  | 70        | 100 | 50   | 70        | 100 |
| Usable volume   | kg | 63  | 85        | 125 | 63   | 85        | 125 |
| Measurements L x W  | mm | 530 x 530   | 630 x 630 |     | 530 x 530  | 630 x 630 |     |
| Height  | mm | 645   | 765       |     | 645  | 765       |     |
| Nominal diameter of withdrawal valve  | mm | 50  |           |     |  |           |     |
| Thermal power of heating system   |    | 3kW – maintenance-free industrial heating plates  |           |     |  |           |     |
| Period of guarantee of heating + withdrawal valve   |    | 5 years   |           |     |  |           |     |
| Driving motor   | W  | 180   |           |     |  |           |     |
| Type of geared motor  |    | Hollow shaft- worm drive gear unit, flexibly mounted  |           |     |  |           |     |
| Stirrer agitation type  |    | Counterflow mixing blades   |           |     |  |           |     |
| Electrical connection (standard),<br>alternative connective subject to extra charge <1>           |    | 400V Three-Phase Current 3.18kW 6.8A – CEE plug 16A<br>230V Alternating Current 3.18kW 14.5A – two-pin grounded<br>‘Shuko’ plug (not AR 100 and ER 100) |           |     |  |           |     |
| Covering material   |    | Design rolled stainless steel sheet   |           |     |  |           |     |
| Vessel construction (material)  |    | Thick-walled aluminium<br>with mineral wool insulation  |           |     | Double-walled stainless steel pressure<br>vessel. Vessel bottom made of V4A<br>with maintenance-free heat transfer<br>oil filling and mineral wool insulation. |           |     |
| Average energy consumption per kg<br>fango paraffin including sterilisation                       |    | 105 Watt  |           |     | 80 Watt  |           |     |
| Additional power consumption of AR types compared to ER types                                     |    | +31%  |           |     | –  |           |     |
| Safety mechanisms   |    | • Maximum limiter, break-proof<br>• Covered switch<br>• Warning facility for fango temperatures above 80°C  |           |     |  |           |     |
| Inspection  |    | German Technical Inspection Agency, TÜV – Südwest,<br>according to VDE 0700 Part 1 (EN 60 335-1)  |           |     |  |           |     |

<1> Note: For technical reasons, 230V stirrers are louder than stirrers with 400V three-phase motors

Microprocessor-controlled  
Warming cabinets FW

| Technical Specifications: Warming cabinets |     |                   |                   |  |
|--|-----|-------------------|-------------------|--|
| Type                                       |     | FW 4060 E         | FW 5070 E         |  |
| Width                                      | mm  | 650               | 900               |  |
| Depth                                      | mm  | 720               | 720               |  |
| Height                                     | mm  | 820               | 820               |  |
| Trays                                      | mm  | 14                | 14                |  |
| W x D                                      | mm  | 400 x 600         | 400 x 600         |  |
| Electrical connection                      |     | 1845W, 230V, 50Hz | 1845W, 230V, 50Hz |  |
| Power consumption                          | kWh | 0,12              | 0,12              |  |



## MICROPROCESSOR-CONTROLLED STIRRER.

- › Easy and convenient operation.
- › Operating temperature range of 55-80°C.
- › Time-controlled stirring 1-99 minutes.
- › Sterilisation with specific programme.
- › Energy-saving weekend and holiday programme for up to max 10 days.
- › Preparation of fango material with appropriate care by means of intelligent technology.

## MICROPROCESSOR-CONTROLLED CABINET.

- › High precision due to digital temperature control.
- › Individual switch-on and switch-off facility without programme change using automatic/manual key.
- › Additional energy-saving option by integrated weekend time switch with individual setting.
- › Energy saving of up to 4,000kWh over 10 years.



# Adhesion pack system.



Trautwein offers a simple solution for single application packs that is more economical and environmentally-friendly as compared to all other conventional methods: the **adhesion pack system (APS)**. A special foil is used to which a thin layer of the therapeutically active material adheres. The energy for the treatment is provided by a heat transfer medium.



- ◀ Moor mud, medicinal mud or natural fango is mixed with water and stirred according to the instructions. Warming is not required.
- ◀ The paste is put on a tray. The APS foil is placed on the material with the sticky side down. Up to 120 packs can be produced with one stirrer volume.
- ◀ A thin layer of the pack material adheres to the foil when this is pulled off. Permeable material ensures direct contact of the material of the pack with the body without any undesirable contamination.

## ADVANTAGES OF APS.

- › From 8 applications per day: lower costs as compared to ready-made single application packs
- › Packs can be disposed of as domestic refuse, lowering disposal costs as well as less energy consumption due to environmentally-friendly materials
- › Less pack material and easy handling
- › Less space requirement for storage of necessary stocks
- › Slow ascend effect for pleasant treatment
- › Moor mud, medicinal mud or natural fango can be used depending on the supplier
- › The efficiency of APS packs is supported by scientific evidence.

# Water baths.

| Technical Specifications: Equipment for preparation of heat transfer media |  |  |   |                                       |
|--|--|--|---|---------------------------------------|
| Equipment type   | APS 18   | WB 30 / WB 30 digital  | WB 60   | WB 66                                 |
| Heat transfer  | By air   | By water   | By water  | By water                              |
| No of heat transfer media units  | 18 units, size 1   | 15 units, size 1   | 2 x 15 units, size 1  | 24 units, size 1                      |
| Dimensions in mm   | W 800 x H 475 x D 460<br>if door is open D 860   | W 360 x H 280 x D 560<br>W 360 x H 378 x D 560   | W 750 x H 280 x D 610   | W 750 x H 345 x D 610                 |
| Positioning of the heat transfer media                                     | Lying down, sorted, good overview.   | Can only be stacked on top of each other.  | Good overview by restacking from one bath to the other. Both vessels can be operated independently from each other. | Good overview possible by restacking. |
| Volume   | 9 x 40 x 60cm  | 32 litres  | 2x 32 litres  | 66 litres                             |
| Handling   | No scalding possible, heat transfer media can be handled by hand.  | Tongs required for removal.<br>Scalding hazard due to approx 60°C hot water.   |   |                                       |
| Miscellaneous  | Stainless steel equipment with detachable front door, insulated on all sides.  | Desktop model with seamless, deep-drawn stainless steel vessel, no crack corrosion, insulated on 5 sides, outer stainless steel covering, lid with hinge and condensate return made of stainless steel, bottom insert with spacers, discharge tap. |   |                                       |
| Control  | Microprocessor-control information, see below.   | Thermostat selector 30-110°C, operation control light.<br>Only WB 30 digital: LED indicator from 20 to 95°C +/- 1°C with touch pad.  |   |                                       |
| Dimensions in mm   | W 800 x H 690 x D 460  | W 360 x H 650 x D 560  | W 750 x H 650 x D 590   | W 750 x H 650 x D 590                 |
| Material   | Steel tube welded construction, plastic-coated, with 4 castors, two of these with locks.<br>1 intermediate stainless steel bottom. |  |   |                                       |

APS 18



WB 30



WB 30 digital



WB 60



WB 66



## MICROPROCESSOR-CONTROLLED APS 18.

- › Easy, clear operation.
- › ON- and OFF-switch with control light.
- › Digital indication of temperature, time and day-of-the-week.
- › High precision due to digital temperature control.

- › Additional energy-saving option by integrated weekend time switch with individual setting.
- › Individual switch-on and switch-off facility without programme change using automatic/manual key.

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