

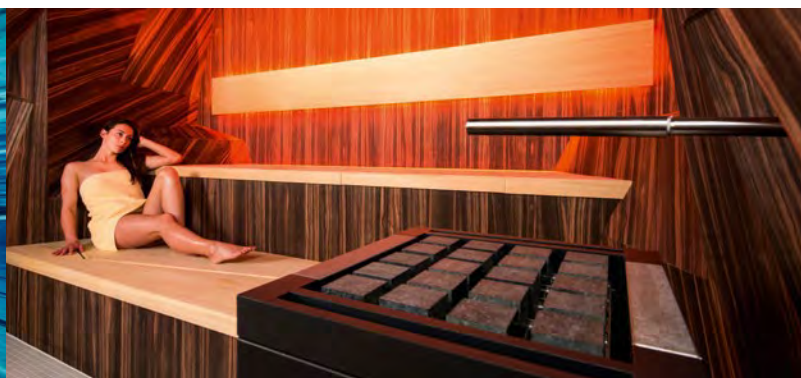
The better solution.



WDT
Werner Dosiertechnik

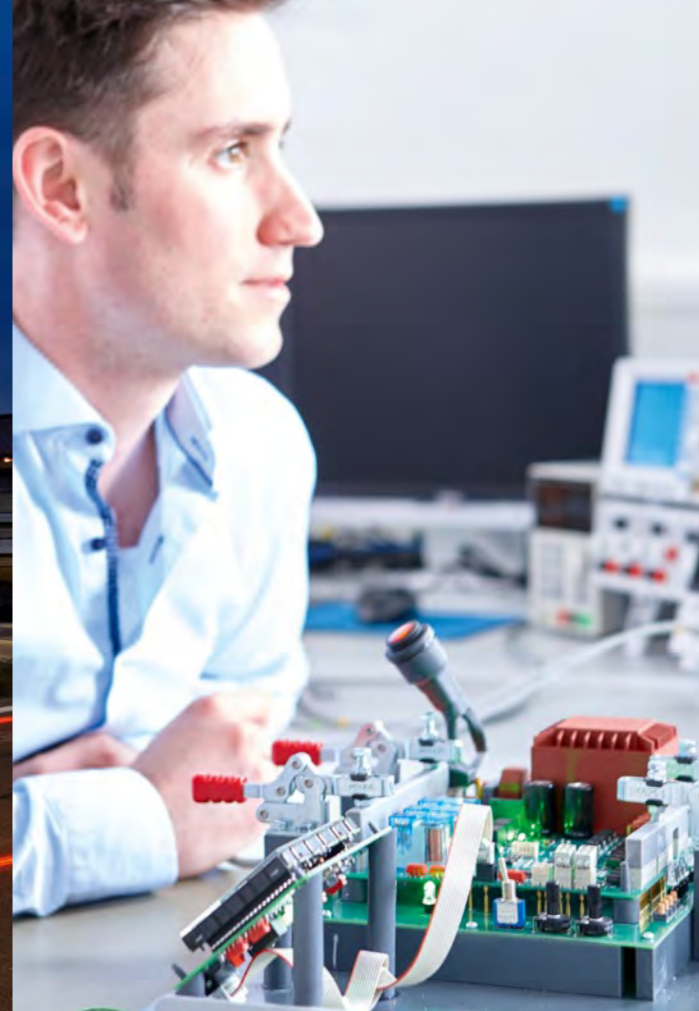
PRODUCT CATALOGUE

SWIMMING POOL | WELLNESS





WDT
Werner Dosiertchnik



The better solution.

Our company's philosophy is to have better solutions through dialogue and constructive discussion. The basis for the design of our measuring, controlling and dosing systems for swimming pools, wellness facilities and drinking/waste water treatment is our extensive know-how as well as a constant exchange of ideas with our partners. Our willingness to embrace change and our flexibility allow us to quickly react to constantly changing markets and customers' demands. This is the main reason for our continuous growth, our lasting partnerships and our worldwide success!

We export 75 % of all of our products. As a privately-owned and managed company we are able to provide our customers with superior quality products and support from well-qualified and motivated staff. WDT's team is the foundation of our success. Due to on-going professional development programmes and training, our 45 employees are always up-to-date with the latest technical developments. That's why they are able to provide solutions for your challenging projects. We work for a common positive future and we do this in a responsible and respectful way!

GERMAN QUALITY since 1986

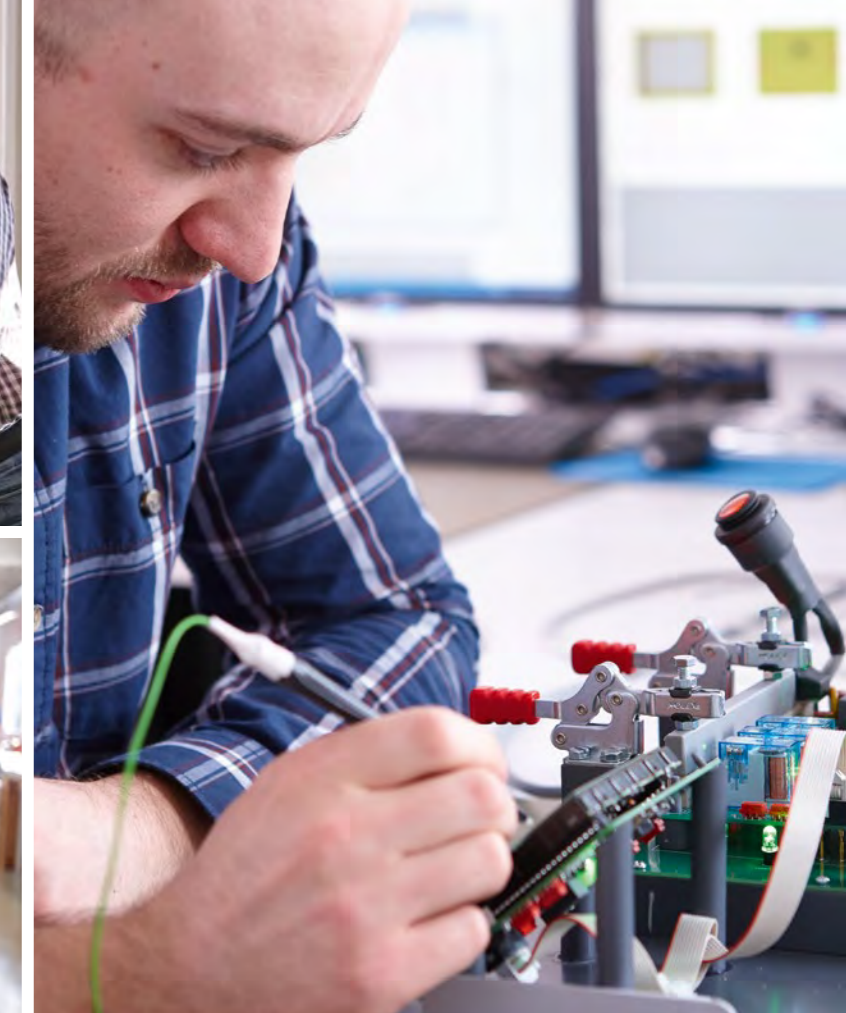
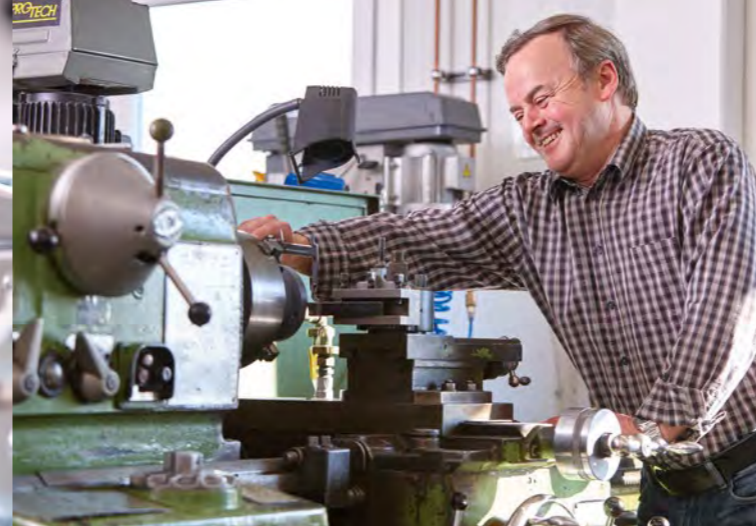
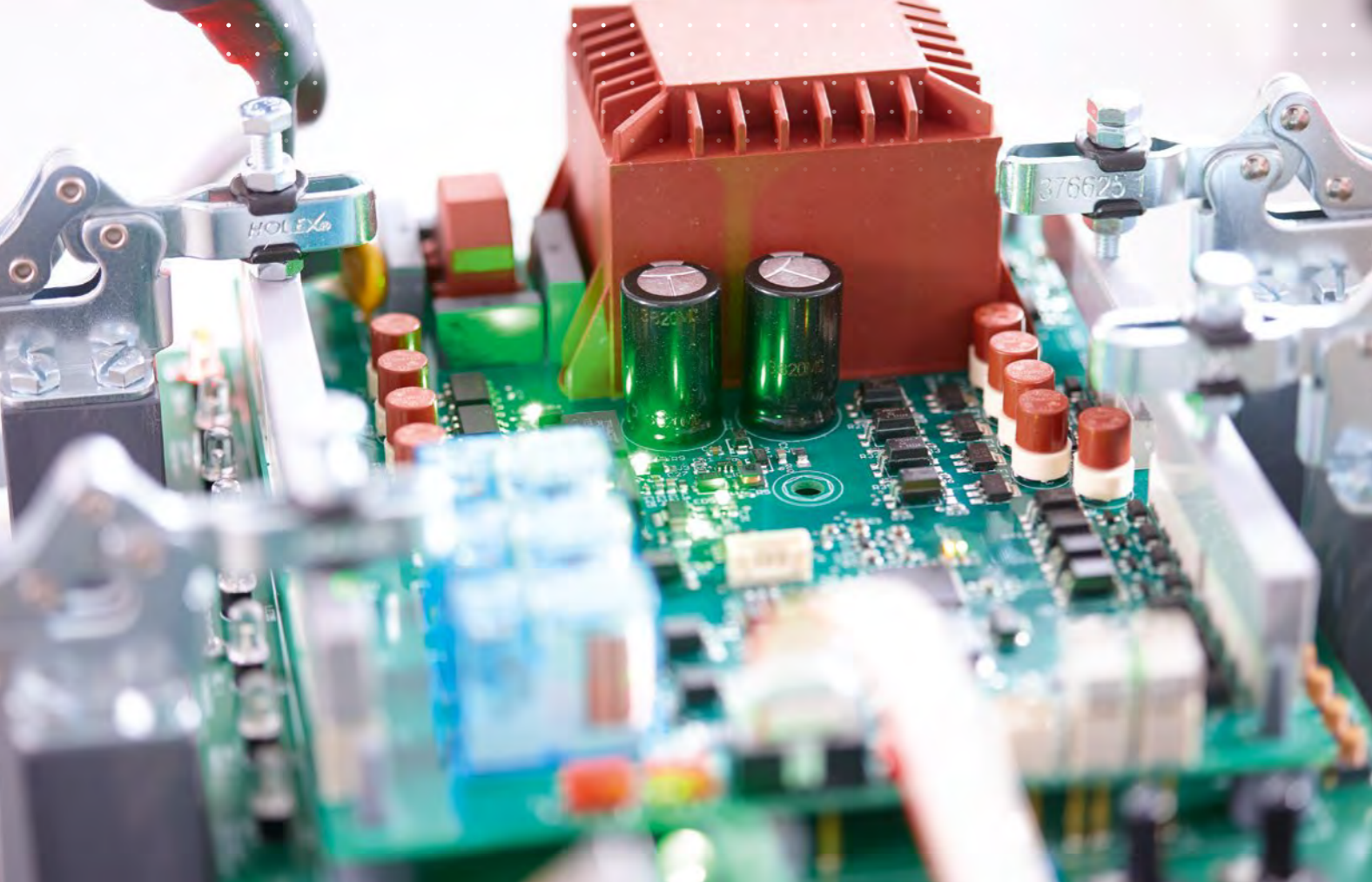
Quality has to be part of a company's mind set before it can be realised. Sophisticated product concepts and technical excellence guarantee highest functionality and quality level for all goods that we produce. From the individual unit to the serial product, we produce 100 % of our products at our factory in Wertingen, Germany. The components we have to buy are sourced under strict quality criteria from respected German and European manufacturers. Our high quality standard is a guarantee for a secure feeling and satisfaction of our customers.

CERTIFICATION

Consistent and reproducible quality standards of our products as well as the continuous improvement of our transparent operating processes are important for us to secure the stability and continuity of our partnerships. For this reason we have introduced a quality management system and have been certified according to ISO 9001 since 2008. This system specifies the strategy and the goals of the company. Furthermore, it is the guideline for our daily work and therefore a fundamental part of our corporate culture.



WATCH OUR CORPORATE VIDEO ON YOUTUBE.



DEVELOPMENT

Competitive technological advancement relies on innovative ideas and further developments which offer the highest grade of functionality, reliability and safety. Whether standard or customized, our systems are developed from the first concept to the programming of the control software exclusively in our company. Whether the input for ideas comes from outside our company or within, we put them into reality by developing reliable, user-friendly products that ensure the best water quality and the well-being of guests in swimming pools and wellness facilities.

PRODUCTION





The primary prerequisite for a smooth production process is an optimized management of material which enables us to have short delivery times. Only qualified employees work in the fully manual production of our equipment. Every product that leaves our house – in total several thousand per year – is individually tested in our special testing facilities. From consultation, conception, planning, production and logistics, our 45 team members work with the fullest conviction and engagement for you during all stages of our cooperation.

SERVICE

A cooperative partnership also means for us to support our customer after our equipment has been installed. Our technicians gladly provide telephone support to answer your questions. You will get a quick, reliable and helpful information ten hours per day. Furthermore, we transfer our experience and know-how to you by giving product trainings for the installation, handling and maintenance of your new product.

Beside the frequent reliable functionality of our products we have put the focus in the development on a modern control concept and the design of the products during the last years. This strategy is the platform to expand our strong market position in times of a very dynamical technological change.

The following characteristics/possibilities are NEW:

-  User friendly optimization by the use of intuitive Touch systems.
-  Web visualisation by the use of smartphone, tablet or PC at units with 7" Touch.
-  Easily maintained by the clearer arrangement of the components.
-  Appealing product design. The look of a product is becoming more and more important for a buyers decision making.



DRINKING AND WASTE WATER

The WDT product division drinking and waste water

One challenge for the future of mankind is the economical and efficient handling of water. The careful treatment of this diminishing and valuable natural resource is becoming more and more important in the drinking and waste water industry. The effective disinfection and cleaning of the water plays an important role in this business.

Using our experience from dosing of granulate and powder for swimming pools, WDT developed and manufactured systems for the dosing of powdered carbon for the waste water treatment already in the mid-nineties. Nowadays we are able to offer economical and sophisticated dosing techniques for nearly every size of drinking and waste water plant in the municipal or industrial sector.

We are your reliable and professional partner in the following sectors:



Disinfection with chlorine granulate

- Dosing of chlorine granulate for the water disinfection



Powder dosing

- Dosing of activated carbon powder for the elimination of organic impurities from the raw water
- Dosing of lime powder for neutralization of waste water
- Dust-free dosing of diatomite for precoated filters



Dosing pumps

- Dosing of flocculent



You find details of our products for drinking and waste water treatment on our website.



SWIMMING POOL



12 Dosing of Calcium Hypochlorite & Dichlor – GRANUDOS

- 13 For single pools
- 16 For multiple pool complexes
- 20 With integrated Autocontrol systems
- 24 Accessories



26 Dosing of Activated Carbon Powder – PAKDOS

- 27 Up to max. 100m³/h circulation rate per cycle
- 28 From 100m³/h circulation rate per cycle



30 Dosing of Salt & Bicarbonate – SELDOS / HÄRTE+



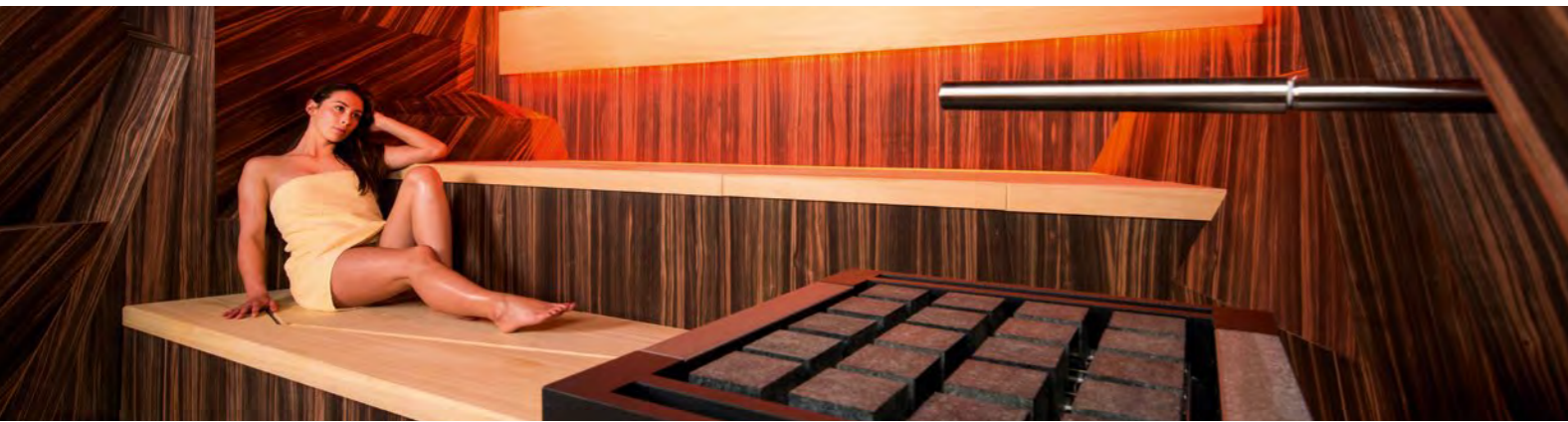
32 Dosing pumps & accessories – UNODOS / FLOCDOS

- 33 Peristaltic pumps
- 35 Accessories



38 Autocontrol systems – POOLKLAR / CPR TOUCH

- 39 For private pools (pH/Redox)
- 41 For public pools (Cl/pH/Redox)
- 43 Single Channel Controller (Cl/pH/Redox)
- 45 Accessories



WELLNESS



48 Experience Showers

- 49 Control panels
- 64 Push button plates
- 66 Nozzles
- 68 LED RGB illumination
- 70 Sound module
- 72 Ceiling elements
- 74 Packages



82 Technique for steam rooms

- 83 Fragrance dosing for steam rooms – DUFTDOS
- 88 LED RGB illumination
- 92 Steam generators
- 94 Technique for Healing Clay Steam Bath
- 96 Steam Shower
- 97 Accessories



98 Technique for Saunas

- 99 Automatical sauna splash SAUNA-PLUS
- 100 LED RGB illumination



104 Nebulisation of brine solution – SOLDOS

- 105 For steam rooms
- 106 For dry rooms

WELLNESS



108 Foam for Hammam Massages



110 Foot bath sputtering system

- 111 Foot spa system
- 114 Basins



116 Room aromatization



120 Touch screen controllers

- 121 Remote control for steam rooms
- 123 Central control systems for Wellness areas



124 Fragrances, Brine solution, Foam agent

127 Associations

Keyword Index

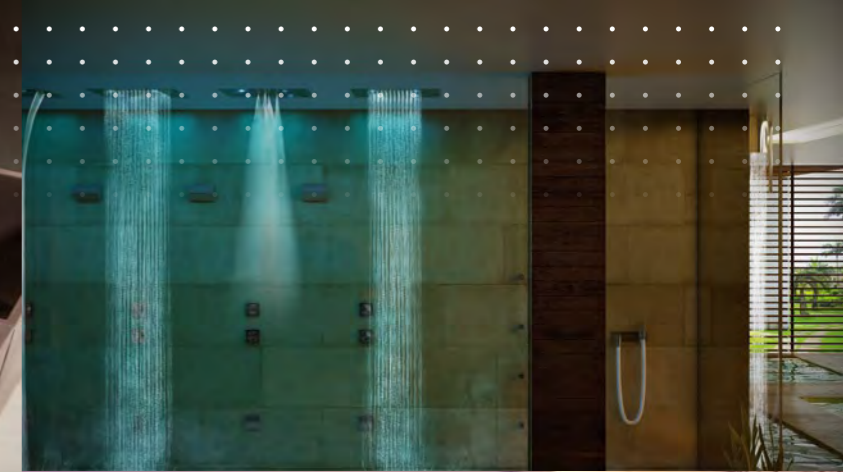
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WELLNESS



The better solution.



Relax, experience, regenerate. Due to the trend to improve the quality of life, the number of wellness & spa centers in the private and public sector has increased enormously over the last years. As a result, technical equipment for wellness facilities has become a main pillar of WDT's business activities.

Our product range for dosing, control and attraction systems is a compilation of ideas from all over the world which have inspired us. We are always ready for new challenges from our customers! Technical equipment for a perfect room climate, color light effects and beneficial

aroma experiences are only a small part of what we produce. Of course, all our products offer you the highest functionality and safety levels.

Our experiences and our know-how guarantee you professional consultation about the technical requirements and perfect service.



48 Experience Showers



82 Technique for steam rooms



98 Technique for Saunas



104 Nebulisation of brine solution



108 Foam for Hammam Massages



110 Foot bath sputtering system



116 Room aromatization



120 Touch screen controllers



124 Fragrances, Brine solution, Foam agent



Technique for steam rooms

A pleasant aroma and the perfect room climate are key factors for optimum pleasure in a steam room! We see ourselves as a one stop provider of technical equipment for steam rooms. Furthermore, WDT has acquired extensive knowledge about the construction and technical configuration of the cabinets.

Essential components of our scope of delivery are steam generators and fragrance pumps. You find a hygienic unobjectionable system for the nebulisation of brine solution for salt steam rooms in a separate chapter of this catalogue. Our LED illumination systems that are designed and produced especially for steam rooms round off the package with the special lighting effect your customers won't forget. Our product, Steam Shower, is a unique experience and has a similar effect as a sauna splash. With our system for "Healing Clay Steam Baths" all components of a healing clay treatment are controllable.

The conceptual design of the components is organized in kits that can individually be assembled. A simple, quick and trouble-free installation and operation is assured.

Page:

- 83 Fragrance dosing for steam rooms DUFTDOS
- 88 LED RGB illumination
- 92 Steam generators
- 94 Technique for Healing Clay Steam Bath
- 96 Steam Shower
- 97 Accessories

Fragrance pumps for the dosing of one aroma

17630-DUFTDOS-0-COMPACT

FUNCTION DESCRIPTION

Peristaltic dosing pump for the dosing of fragrances into the steam pipe of steam rooms. For external control with 230 VAC (e.g. by the steam generator or an external controller). The electrical connection of the pump must release the dosing only during the steam production.

SCOPE OF DELIVERY

- Peristaltic pump SA app. 3 l/h
- Dosing hose 3.2 x 1.6 Viton with hose holder 4 x 1
- Roller SA yellow
- Power supply cable with Euro plug
- Suction hose PE 4 x 1 - 1.5 m

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	6 W
Back pressure max.	app. 0.5 bar
Measures	W 65 mm x H 140 mm x D 85 mm
Weight	app. 0.6 kg

ACCESSORIES / OPTIONS

To be ordered separately:

- Dosing set consisting of: Dosing valve stainless steel 3/8" - 4 x 1 and 3 m dosing tube PTFE 4 x 1 - Part no. 12596
- Console with bottle 1.5 l - Part no. 13892
- Console for 10 l canister - Part no. 14391



Photo: with option console with bottle 1.5 l - Part. no. 13892





Fragrance pumps for the dosing of one aroma

16621-DUFTDOS-0-T

FUNCTION DESCRIPTION

Peristaltic dosing pump for the dosing of fragrances into the steam pipe of steam rooms. For external control with 230 VAC (e.g. by the steam generator or an external controller). The electrical connection of the pump must release the dosing only during the steam production.

SCOPE OF DELIVERY

- Peristaltic pump SA app. 3 l/h
- Dosing hose 3.2 x 1.6 Viton with hose holder 4 x 1
- Roller SA yellow
- Power supply cable with Euro plug
- Suction hose PE 4 x 1 - 1.5 m
- Test switch

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	6 W
Back pressure max.	app. 0.5 bar
Measures	W 80 mm x H 180 mm x D 140 mm
Weight	app. 0.6 kg

ACCESSORIES / OPTIONS

To be ordered separately:

- Dosing set consisting of: Dosing valve stainless steel 3/8" - 4 x 1 and 3 m dosing tube PTFE 4 x 1 - Part no. 12596
- Console with bottle 1,5 l - Part no. 13892
- Console for 10 l canister - Part no. 14391



Photo: with option console with bottle 1.5 l - Part. no. 13892



14168-DUFTDOS-DS

FUNCTION DESCRIPTION

Peristaltic dosing pump for the dosing of fragrances into the steam pipe of steam rooms. With intensity controller.

The dosing performance is adjusted by the pause time in between the injections by a rotary knob at the housing. The dosing time is set in the interior of the housing. The electrical connection of the pump must release the dosing only during the steam production. Dosing performance max. 3 l/h. Optionally the pump can be controlled by a push button from the steam room or by a non-volt control contact.

SCOPE OF DELIVERY

- Peristaltic pump SA app. 3 l/h
- Dosing hose 3.2 x 1.6 Viton with hose holder 4 x 1
- Roller SA yellow
- Power supply cable with Euro plug
- Suction hose PE 4 x 1 - 1.5 m
- Controller DS with rotary knob, installed in housing

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	6 W
Back pressure max.	app. 0,5 bar
Measures	W 80 mm x H 180 mm x D 140 mm
Weight	app. 0.6 kg

ACCESSORIES / OPTIONS

To be ordered separately:

- Dosing set consisting of: Dosing valve stainless steel 3/8" - 4 x 1 and 3 m dosing tube PTFE 4 x 1 - Part no. 12596
- Console with bottle 1.5 l - Part no.
- Console for 10 l canister - Part no. 14391





Fragrance dosing systems for the dosing of several aromas

13163-1-DUFTDOS VARIO W-4-UNPL-COMPACT

FUNCTION DESCRIPTION

Dosing system for the dosing of several fragrances into the steam pipe of steam rooms. The desired aroma is chosen by a pre-selector switch at the controller of the unit by the operator. After the setting of the aroma it is dosed in adjustable intervals. The dosing performance is adjusted by the pause time and the dosing time by rotary knobs at the housing. Operation only when steam is produced.

SCOPE OF DELIVERY

- 4 x Peristaltic pump SA app. 3 l/h with dosing hoses 3.2 x 1.6 V with hose holder 4 x 1 and suction hose (PE 0.8 m)
- Controller UNPL for pause- and dosing time
- 4 x Bottle à 1.5 l
- Console with the components pre-installed
- 4 x dosing valve stainless steel 3/8" - 4 x 1
- 4 x 3 m dosing tube PTFE 4 x 1

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	6 W
Back pressure max.	app. 0.5 bar
Measures	W 600 mm x H 500 mm x D 200 mm
Weight	app. 5 kg

ACCESSORIES / OPTIONS

- Available also for 2 or 3 aromas (on demand)



19694-DUFTDOS VARIO 4 T-SA-COMPACT

FUNCTION DESCRIPTION

Dosing system for the dosing of several fragrances into the steam pipe of steam rooms. The desired aroma is chosen by the user of the steam room by a push-button. The aroma intensity can be set individually for each aroma at the controller. During the dosing of the desired aroma the other aroma pumps are locked. After the lapse of the programme the dosing is locked for 3 minutes.

SCOPE OF DELIVERY

- 4 x Peristaltic pump SA app. 3 l/h with dosing hoses 3.2 x 1.6 V with hose holder 4 x 1 mm and suction hose (PE 0.8 m)
- Controller EDS1 installed in housing
- 4 x Bottle à 1.5 l
- Console with the components pre-installed
- 4 x Dosing valve stainless steel 3/8" - 4 x 1
- 4 x 3 m dosing tube PTFE 4 x 1

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	10 W
Back pressure max.	app. 0.5 bar
Measures	W 600 mm x H 500 mm x D 200 mm
Weight	app. 5 kg

ACCESSORIES / OPTIONS

To be ordered separately:

- Push button plate with bonnet for flush mounting
- Available also for 2 or 3 aromas (on demand)





LED RGB SPOTS AND MOUNTING SLEEVES

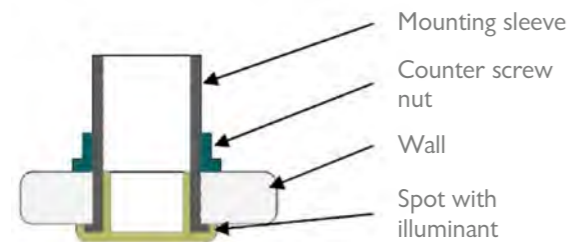
FUNCTION DESCRIPTION

The spots have been especially developed for the use in Wellness areas and steam rooms. The protection class is IP65 and they are operated with low voltage. Furthermore the light bulb can be exchanged easily when the spots are already installed and sealed in. The spots are available in RGB or warm white. An easy installation is ensured as the spots are prepared for plug and play.

SCOPE OF DELIVERY

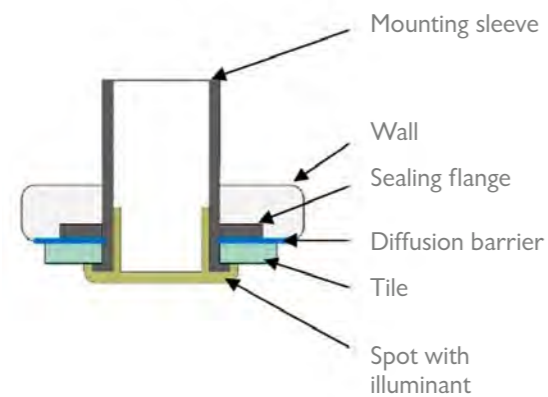
System for pre-coated, GFK or Aluminum surface:

- Spot LED-RGB 3 x 1 Watt multicolor IP65 stainless steel chrome plated or alu coated (color on demand), lense beamless
- Installation boring 42 mm
- Cover 60 mm outer diameter
- Mounting sleeve D 42 x 110 (40) mm with counter nut
- Incl. connection cable 20 cm JST



System for tiled surfaces:

- Spot LED-RGB 3 x 1 Watt multicolor IP65 stainless steel chrome plated or alu coated (color on demand), lense beamless
- Installation boring 42 mm
- Cover 60 mm outer diameter
- Mounting sleeve D 42 x 110 (40) mm with sealing flange
- Incl. connection cable 20 cm JST



TECHNICAL DATA

Control signal	350 mA constant current
Power supply	3 x 1 W
Light colors	Red - Green - Blue
Installation boring	42 mm
Weight	app. 0.25 kg
Installation depth	55 mm or 125 mm depending on mounting sleeve
Diameter of the cove	60 mm

ACCESSORIES / OPTIONS

- The spots are connected in serial. For the connection of the single spots there are extension cables available: 1.5 - 2.5 - 5.0 - 7.0 m.
- Also available in warm white with app. 2700 K

LED RGB CONTROLLER / TRANSFORMER FOR SPOTS

FUNCTION DESCRIPTION

Controller for LED RGB spots with an operation current of 350 mA. You can connect up to 10 pieces of 3 x 1 W spots to one RGB controller. The controller can realise 15 different light programmes in combination with the RGB spots for example: White, Red, Green, Blue, Red-Green color change, Blue-Green color change, Red-Green-Blue color change, Flashlights etc. The setting of the light programmes is done by a code switch. Optionally the light controller can be controlled externally by a four-digit digital code. The connected spotlights can be dimmed by a 2nd poti at the control housing.

If more than 10 spots are required the controller can be extended by „Slave“ module(s). These modules are then connected by a data BUS. This connection leads to synchronic color effects of the whole illumination.

SCOPE OF DELIVERY

- LED RGB control board installed in housing
- Code switch for the setting of the desired light programme
- Poti for the manual dimming of the connected spotlights
- 7 m cable from the controller to the 1st spot
- 1.5 m power supply cable with Euro plug



TECHNICAL DATA

Electrical supply	230 V/AC 50-60 Hz
Power supply	42 VA/0.4 A
Operation temperature range	0 to +50 °C
Weight	1.5 kg
Measures	W 13 cm x H 18 cm x D 9 cm

ACCESSORIES / OPTIONS

- Transformer for static colors only (Red - Green - Blue - Warm white)
- Controller with 700 mA
- Slave controller for external control/ color choice by a 4 digit HEX code





LINELIGHTS / LIGHT BATTENS

FUNCTION DESCRIPTION

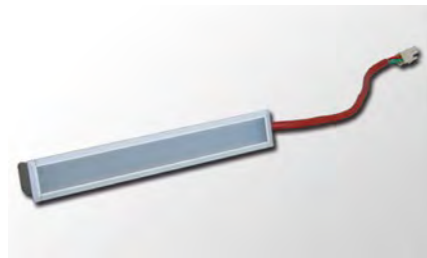
LED-RGB linelights with an operating voltage of 12 V/DC. Ideal for indirect illumination and illumination under the benches of steam rooms. Available with frame (for the installation in visible areas) and aluminum profile (for indirect illumination). Linelights are produced and tested according to order in the desired length.

SCOPE OF DELIVERY

The linelights are available in 2 versions:

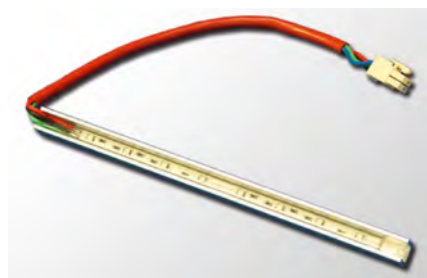
LED-RGB Linelight frame IP 64

- Equipped with SMD-RGB LEDs, sealed with transparent 2-component resin
- Aluminium profile: W = 30 x H = 32 x L = XX mm
- Cut-out: W = 24 x H = 32 x L = XX mm
- Temperature range: -20°C bis +60°C max.
- Incl. connection cable and plug
- Available lengths from 119 mm up to 3000 mm



LED-RGB Linelight Aluprofile IP 64

- Equipped with SMD-RGB LEDs, sealed with transparent 2-component resin
- Aluminium profile: B = 12 x H = 12 x L = XX mm
- Cut-out: W = 12 x H = 12 x L = XX mm
- Temperature range: -20°C bis +60°C max.
- Incl. connection cable and plug
- Available lengths from 119 mm up to 3000 mm



ACCESSORIES / OPTIONS

- Also available in warm white with app. 2700 K
- Extension cables incl. connector
- Y-cable 4-poles incl. connector

LED RGB CONTROLLER / TRANSFORMER FOR LINELIGHTS

FUNCTION DESCRIPTION

Controller for LED-RGB linelights with a working voltage of 12 V/DC (optionally 24 V/DC). You can connect up to app. 5 m of linelights (max. 105 W) to one controller. The controller can realise 15 different light programmes in combination with the RGB linelights: White, Red, Green, Blue, Red-Green color change, Blue-Green color change, Red- Green-Blue color change, Flashlights etc. The setting of the light programmes is done by a code switch at the housing. Optionally the light controller can be controlled externally by a four-digit digital code.

If more than 105 W are required the controller can be extended by an extension module.

SCOPE OF DELIVERY

- LED RGB control board installed in housing
- Code switch for the setting of the desired light programme
- 1.5 m power supply cable with Euro plug



TECHNICAL DATA

Electrical supply	230 V/AC 50-60 Hz
Power supply	150 VA/0,8 A
Operation temperature range	0 to +40 °C
Weight	2.8 kg
Measures	W 26 cm x H 22 cm x D 11 cm

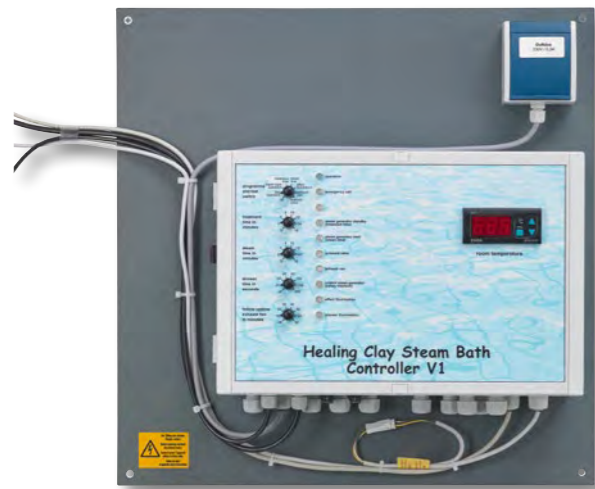
ACCESSORIES / OPTIONS

- Transformer for static colors only (Red - Green - Blue - Warm white)
- Slave controller for external control/ color choice by a 4 digit HEX code
- Controller for 24 V/DC linelights
- Controller for the synchronisation of spot- and linelights: 1 x output 12 V/DC respectively 24 V/DC for linelights/ 1 x output 350 mA for spotlights





TECHNIQUE FOR HEALING CLAY STEAM BATH



FUNCTION DESCRIPTION

The controller controls the complete treatment of a „Healing Clay Steam Bath“ and all necessary components: Steam generator, exhaust fan, aroma pump, illumination, optionally LED-RGB illumination and sound. The treatment is structured into three time steps. The duration of the time steps can be adjusted individually by pots at the control housing.

Treatment time:

The programme is activated by the start push-button on the outside of the cabinet. Then the room light is switched-off and the effect light (e.g. fiber optics or LED RGB illumination for light therapy) is switched-on. During this time the healing clay treatment (scrubbing and drying) is done.

Steam time:

Afterwards the steam generator is activated and starts to produce steam on full power. The cabinet is filled with steam and the dry healing clay on the body gets wet.

Shower time:

The illumination changes to red. A warm Drizzle Rain sprays on each guest from nozzles above the seats. This procedure is necessary for the pre-cleaning. The treatment stops after the shower. The effect light is switched-off, the room light and the exhaust fan are switched-on. The controller is ready for the next treatment.

There is the possibility to operate the controller only on steam room operation. In this operation mode the controller controls the cabinet like a normal steam room with steam production, exhaust fan and aroma dosing.

SCOPE OF DELIVERY

A complete package for a “Healing Clay Steam Bath” consists of the following components:

Microprocessor controller in housing:

- Digital thermostat inclusive temperature sensor PT100
- Pots for the adjustment of the single parameters (treatment-, steam-, shower time)
- Power socket for the connection of the aroma pump
- Completely pre-wired on PP board grey

Water part:



(Photo: water part 1/2“ for up to 3 seats/ nozzles)

- 2 x Supply (warm/cold) with pre-filter and ball valve female thread
- Thermo mixer JRG with non-return valves
- Solenoid valve(s) for the automatic shower
- Option: unit for thermal disinfection
- Completely tubed and pre-mounted on PP board grey

The dimensioning of the supplies of the water part and the number of solenoid valves complies with the number of seats/ nozzles in the cabinet!

Push button plate 1 fold

- with bonnet for flush mounting and name plate for the start of the programme

Drizzle Nozzle

- for the shower function. Quantity of nozzles complies with the no. of seats in the cabinet

LED - RGB illumination

- for steam rooms

Fragrance dosing pump

- DUFTDOS-DS

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	500 W
Control contact / -output for steam generator	non-volt contact
Measures	W 50 cm x H 50 cm x D 20 cm
Weight	app. 7.5 kg

Water part 1/2“ for up to 3 seats/nozzles

Water supply	2 x 1/2“ female thread
Outlet	1 x solenoid valve 1/2“
Measures/Weight	W 20 cm x H 60cm x D 13cm / 5 kg

Water part 3/4“ for up to 6 seats/nozzles

Water supply	2 x 3/4“ female thread
Outlet	1 x solenoid valve 3/4“
Measures/Weight	W 25 cm x H 65 cm x D 15 cm / 6 kg

Water part 1“ for up to 12 seats/nozzles

Water supply	2 x 1“ female thread
Outlet	2 x solenoid valve 3/4“
Measures/Weight	W 30 cm x H 70 cm x D 18 cm / 7.5 kg

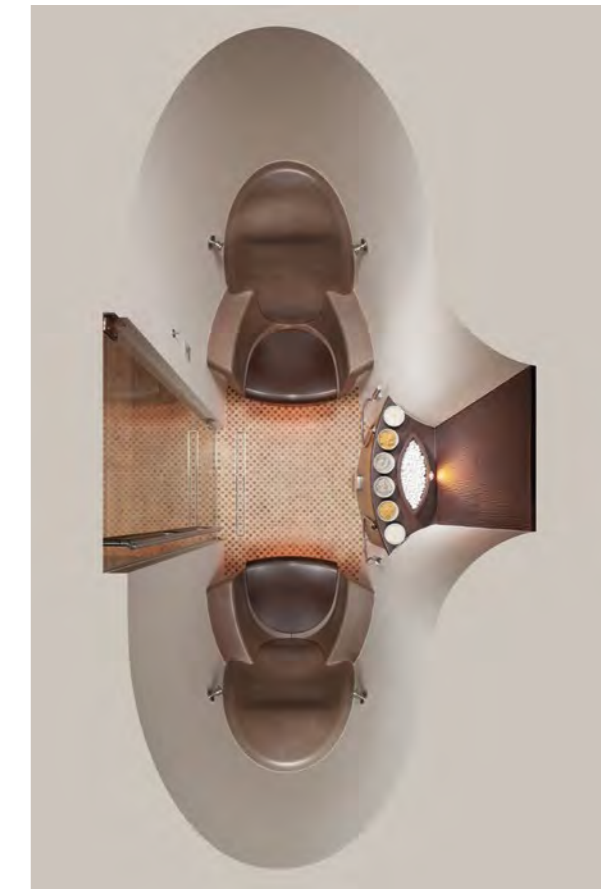
TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panels
- Power socket 230V/50 Hz
- Water connection cold according to no. of nozzles
- Water connection warm according to no. of nozzles
- Needed pressure: 3 bar dynamic
- Water quantity: 6 l/min per nozzles
- Tubing to the nozzles

ACCESSORIES / OPTIONS

To be ordered separately:

- Sound module
- 0 - 10 V control (see above)
- Unit for thermal disinfection
- Steam generator
- Exhaust fan





TECHNIQUE FOR STEAM SHOWER

FUNCTION DESCRIPTION

The Steam Shower is a pneumatic controller to blow air into a steam room. The air nozzles are installed over the seats in the room. The air presses down the hot air layers from the ceiling in the steam room onto the guest below. The unique impression the guest are getting here is comparable to the splash effect in a Finnish Sauna.

SCOPE OF DELIVERY

A complete package for a Steam Shower consists of the following components:

Control panel consisting of:

- Microprocessor controller in housing
- Potis for the adjustment of the single parameters
- Power socket for the connection of the compressor
- Completely tubed and pre-wired on PP board grey
- Ball valve 1/2"
- Pneumatic pressure gauge with water separator
- Connection compressed air-buffer tank
- Connection compressed air-compressor
- Solenoid valve(s) complies with the number of nozzles/ seats

Stainless steel pressure tank

- 20 l, pre-mounted on the backside of the PP board

Oil-free diaphragm compressor

- 230V/50 Hz (60 Hz)
- performance 49 l/min at 5 bar
- drive power 0.45 kW
- pressure tank 10 l
- control valve 1/8" normally open
- measurements 360 (w) x 390 (l) x 420 (h) mm
- weight: 17 kg
- Sound: 58 dB(A)



Push button plate 1-fold

- with bonnet for flush mounting and name plate for the start of the programme. Quantity of buttons complies with the no. of seats in the cabinet

Drizzle Nozzle

- for the air blast function. Quantity of nozzles complies with the no. of seats in the cabinet



TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	550 W (incl. 450 W compressor)

Control panel 1- and 2-fold

Measures/Weight	W 50 cm x H 50 cm x D 45 cm / 7.5 kg
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Control panel 3- and 4-fold

Measures/Weight	W 65 cm x H 50 cm x D 45 cm / 8 kg
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TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panels
- Power socket 230V/50 Hz
- Air tubes to the nozzles (according to the no. of seats in the cabinet)
- Temperature range in plants room: +5 to +40 °C
- Humidity in plants room: max. 80% rel. Hum.
- Due to the noise emission of the compressor we recommend to do a noise damping installation

DOSING SET FOR FRAGRANCE DOSING

Dosing set art-no. 12596 consisting of non-return valve (dosing valve VA 3/8" - 4 x 1) stainless steel and dosing tube (3 m tube PTFE 4 x 1) for a safe connection of the aroma pump with the steam tube. The non-return valve eases necessary maintenance of the pump, as the steam generator does not have to be switched-off in this case.



PUSH BUTTON FOR STEAM ROOMS

Function description

The push button has been especially developed for the use in Wellness areas and steam rooms. The protection class is IP65. Furthermore the button can be exchanged easily when the unit is already installed and sealed in. The button is available with blue or red ring illumination or without illumination.

Scope of delivery

- Piezo push button with or without LED-ring illumination 24 V/DC
- Cover stainless steel chrome plated 60 mm outer diameter
- Installation boring 42 mm
- 7 m cable

System for tiled surfaces:

- Mounting sleeve D 42 x 110 (40) mm with sealing flange

System for pre-coated, GFK or Aluminum surface:

- Mounting sleeve D 42 x 110 (40) mm with counter nut



CONSOLES FOR AROMA PUMPS/-CANISTERS

Consoles to take an aroma pump and an aroma canister/-bottle. The consoles are available for canisters up to 10 l in two different versions:

Console with wide neck bottle 1,5 l

Part no. 13892 (see photo):

Measures H 470 mm x W 195 mm x D 160 mm

Console for 10 l canisters (canister excl.)

Part no. 14391:

Measures H 600 mm x W 235 mm x D 240 mm



STEAM NOZZLE - STEAM INLET LD

Steam inlet for the mixing and inserting of steam and fresh air into the steam room. For a dense steam appearance and a lower temperature of the inserted steam:

- Mixing tube made of stainless steel V4A with connections for fresh air and steam
- Diameter 110 mm, Installation length 280 mm
- Cover made of stainless steel V4A 130 x 130 mm with fixation screws





Foam for Hammam Massages

Oriental pleasure. The Hammam is an important part of the Islamic bathing and body culture. It is also well-known under the name “Turkish bath” or “Oriental bath”. Washing is a fundamental ritual in the Hammam. For this purpose a cotton bag is soaped by the Hammam master, then filled with air by swinging it round. The foam is stripped off the textile and rubbed onto the body for the massage.

We adapted this procedure for the development of our product, FOAMDOS. As in the traditional method, a pleasant smelling foam is generated by water, air and soap but automatically on demand. The foam can be put onto the body by a hand shower. The massage is done either by the guests themselves or by a masseur.

The system was originally designed for installation under a massage table. The design is therefore very compact. The unit is easy to install and maintain.

FOAMDOS

FUNCTION DESCRIPTION

The FOAMDOS produces foam for Hammam massages by the three components water, air and foam agent. Furthermore a shower function with warm water is integrated. The dosing quantity of the foam agent, the water flow and so the consistency of the foam is adjustable individually at the controller. Both functions are started by a push-button.

SCOPE OF DELIVERY

- Microprocessor controller UNPL in housing
- Diaphragm air pump 7006 AC
- Supply with pre-filter and ball valve MS ½” female thread
- Non-return according to DIN EN1717
- Pressure gauge
- Flow regulator
- 2 x solenoid valve 3/8”
- Foam generator
- Peristaltic dosing pump SA
- Suction lance d 12 420 mm
- 2 x dosing valve for foam agent and air
- 3 m hose PVC 12 x 1.5 transparent for the outlet of the foam
- Push-button plate 2-fold
- Completely tubed and pre-wired on PP board grey

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	100 W
Water supply	½” female thread
Measures	W 50 cm x H 50 cm x D 25 cm
Weight	app. 10 kg



TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Thermo mixer/Water supply mixed water ½”
- Needed pressure: 2 bar dynamic
- Water quantity: app. 10 l/min
- Drain in the plants room
- Foam outlet: hand shower or wall outlet with bowl

ACCESSORIES / OPTIONS

- Thermo mixer
- Hand Shower for the foam outlet





Foot bath sputtering system

Keeping healthy according to the famous German pastor, Kneipp. Taking alternating hot and cold water foot bathes is an approved therapy method. It has been proven that stress levels can be reduced by alternating cold and warm water. Foot bathes also improve the cardiovascular system. The "Guidelines for the building of Saunas" by the association "Deutscher Sauna-Bund e.V." recommends the use of foot bathes in connection with taking a sauna.

With WDT's system you can alternatively enjoy warm or cold foot bathes. After the automatic filling, air is blown into the basin to pleasantly stimulate the foot reflex zones. Due to an integrated disinfection concept the system is totally hygienic and can be used by several persons one after the other without hesitation.

In addition to the technical equipment package, we also offer attractively designed foot bathes made of stainless steel, Corian® or ceramics.

Page:
109 Foot spa system
111 Basins

FOOT BATH SPUTTERING SYSTEM FOR 1 BASIN

FUNCTION DESCRIPTION

The programme is activated by a push-button. The guest has the choice between a cold or warm water treatment. After pressing the button the filling of the basin starts. It stops when an adjustable water level is reached. Then the bubbling starts automatically for a programmable time. After the lapse of this time the bubbling stops and a dwell time follows. Afterwards the basin is emptied automatically. During the dwell time the bubbling can be restarted before the emptying. During the filling procedure a chlorine solution is dosed to disinfect the whole system (drain-, air piping and basin) and the feet of the user.

SCOPE OF DELIVERY

Controller consisting of:

- Microprocessor controller in housing
- Potis for the adjustment of the single parameters (Bubbling time, dwell time...)
- Pressure switch and pressure measuring device for the regulation of the water level
- Completely pre-wired on PP board grey

Water part consisting of:

- 2 x Supply (warm/cold) with pre-filter and ball valve 3/4" female thread
- Thermo mixer JRG 3/4" with non-return valves
- 2 x outlet with solenoid valve 3/4" and screwing for the filling
- Completely tubed on PP board grey

Push-button plate 2 fold

with bonnet for flush mounting and name plates for the start of the programme

Peristaltic pump

with console and bottle 1.5 l for the disinfection incl. dosing tube and dosing valve

Side channel vacuum blower

0.20kW 230 V - 50 HZ, IP55 for bubbling effect

Motor-ball valve

2-ways PVC DN32 PTFE/EPM 230 VAC D40 S6 max. 3.5 bar for the automatical drainage of the basin



TECHNICAL DATA

Controller

Electrical supply	230 V/AC 50 Hz
Power supply	max. 300 W
Measures	W 35 cm x H 35 cm x D 15 cm
Weight	2 kg

Water Part

Water supply	2 x 3/4" female thread
Outlet to the basin	2 x solenoid valve 3/4"
Measures	W 41 cm x H 44 cm x D 15 cm
Weight	8 kg

Water consumption according to basin dimensions

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panels
- Power socket 230 V
- Water connection cold 3/4"
- Water connection warm 3/4"
- Needed pressure: 3 bar dynamic
- Water quantity: according to basin dimensions
- Tubing to water outlet DN20
- Drainage tube DN40
- Air tube DN25
- Basin with false floor

ACCESSORIES / OPTIONS

- LED RGB illumination for the basin
- Basin with false floor made of stainless steel, ceramics or Corian® on demand



FOOT BATH BUBBLING SYSTEM FOR 2 BASINS

FUNCTION DESCRIPTION

The programme is activated by a push-button. The guest has the choice between a cold or warm water treatment. After pressing the button the filling of the basin starts. It stops when an adjustable water level is reached. Then the bubbling starts automatically for a programmable time. After the lapse of this time the bubbling stops and a dwell time follows. Afterwards the basin is emptied automatically. During the dwell time the bubbling can be restarted before the emptying. During the filling procedure a chlorine solution is dosed to disinfect the whole system (drain-, air piping and basin) and the feet of the user. Both basins can be operated independent from each other.

SCOPE OF DELIVERY

Controller consisting of:

- 2 x Microprocessor controller in housing
- Potis for the adjustment of the single parameters (Bubbling time, dwell time...)
- 2 x Pressure switch and 2 x pressure measuring device for the regulation of the water level
- Completely pre-wired on PP board grey

Water part consisting of:

- 2 x Supply (warm/cold) with pre-filter and ball valve 1" female thread
- Thermo mixer JRG 1" with non-return valves
- 4 x outlet with solenoid valve 3/4" and screwing for the filling
- Completely tubed on PP board grey

2 x Push-button plate 2 fold

with bonnet for flush mounting and name plates for the start of the programme

2 x Peristaltic pump

with console and bottle 1.5 l for the disinfection incl. dosing tube and dosing valve

2 x Side channel vacuum blower

0.20 kW 230 V - 50 HZ, IP55 for bubbling effect

2 x Motor-ball valve

2-ways PVC DN32 PTFE/EPM 230 VAC D40 S6 max. 3.5 bar for the automatic drainage of the basin



TECHNICAL DATA

Controller

Electrical supply	230 V/AC 50 Hz
Power supply	max. 600 W
Measures	W 50 cm x H 40 cm x D 15 cm
Weight	4 kg

Water Part

Water supply	2 x 1" female thread
Outlet to the 2 basins	4 x solenoid valve 3/4"
Measures	W 50 cm x H 50 cm x D 15 cm
Weight	10 kg

Water consumption according to basin dimensions

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panels
- Power socket 230 V
- Water connection cold 1"
- Water connection warm 1"
- Needed pressure: 3 bar dynamic
- Water quantity: according to basins dimensions
- Tubing to water outlet 2 x DN20
- Drainage tube 2 x DN40
- Air tube 2 x DN25
- 2 x Basin with false floor

ACCESSORIES / OPTIONS

- LED RGB illumination for the basins
- Basins with false floor made of stainless steel, ceramics or Corian® on demand





FOOT BASIN MADE OF CERAMICS

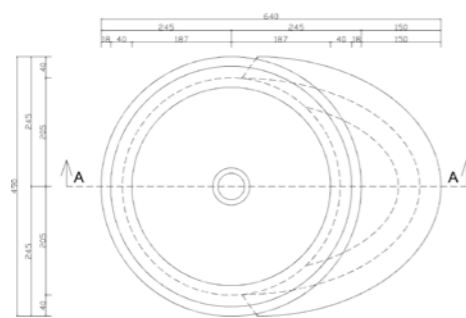
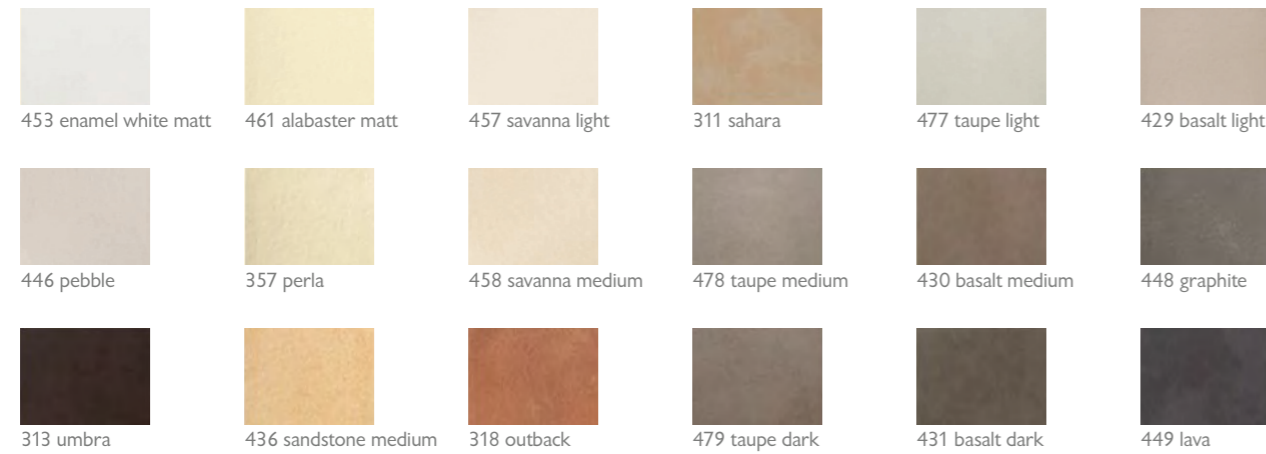


The foot basins made of ceramics have been developed together with the company Sommerhuber especially for the foot bath bubbling system and are available round or square shaped.

The basins are casted in one piece and glazed from the interior and from the outside. A false, maintainable floor made of Corian® is installed by WDT in the basin to realise the bubbling function. The glazing of the ceramics and the color of the floor are tuned to each other.

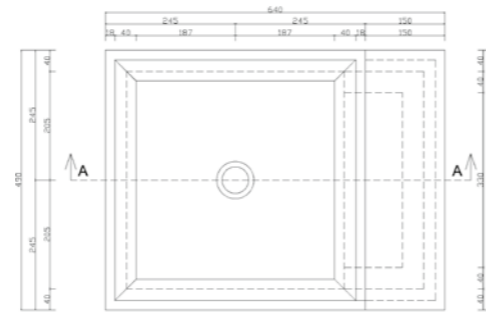
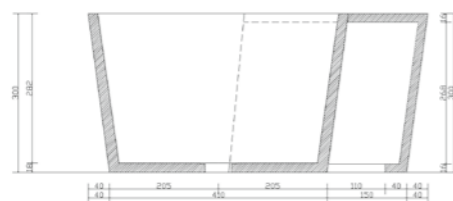
An additional part made of ceramics is available for the installation of the faucets (provided by the client or by WDT) and the buttons for the start of the programmes. The basins with additional part are available for single as well as for double foot bath sputtering systems.

Glazes Spa Ceramics



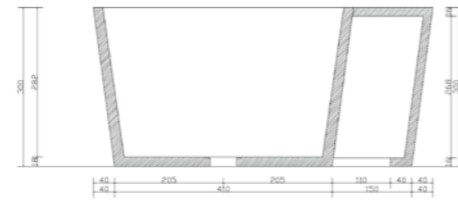
Floor-Plan

Cut 1-1



Floor-Plan

Cut 1-1



FOOT BASIN MADE OF CORIAN®



The foot basins made of Corian® have been developed especially for the foot bath bubbling system. They are available in many different shapes (e.g. rectangular, round, half-round) and colors. Nonporous and stain-resistant, Corian® is easy to clean, making it an ideal surface for wellness & spa.

A false floor made of Corian® is installed by WDT in the basin to realise the bubbling function.

The faucets (provided by the client or by WDT) can be integrated by a boring into the basin or we can provide a cover frame made of Corian®. The buttons for the start of the programmes are in general installed next to the basin. The basins can either stand-alone or be installed in a way, that the outside is tiled. It is also imaginable to tile the inside.

A small overview of the colors:



You find further colors on: www.wdt-dosing.com



Fragrances, Brine solution, Foam agent

Holistic concepts are the latest trend in wellness and spa facilities. All senses are activated in harmony at the same time (smell, sight, hearing and touch). The human perception of aroma is multisensual. This means that one sense is never perceived in isolation from the other senses. That's why warm water for example is associated with warm colors like red or yellow. The compatible aroma is fruity and strong. Therefore, it is important to have the right aromatization technique and fragrance.

Depending on the application, a suitable carrier medium for the fragrance has to be used to aromatize a room. In steam rooms and experience showers, the fragrance is injected directly in the steam or water tube. In the sauna, fragrance is mixed with water and splashed onto the hot stones. The fragrances that we offer are mixtures of natural and nature identical etheric oils and aromas. To make them dissolvable in water we use solutisers that are also used in the food and cosmetic industry. For each fragrance we provide a corresponding material safety data sheet.

Brine solution is used to create a salty sea climate for wellness applications. Our brine solution is delivered sterile in special air sealed bags (Poltainers) with an expiry date.

The product line is rounded off by pleasant smelling foam agent for Hammam massages. The available scents are rose and hayflower.



FRAGRANCES FOR STEAM ROOMS

Fragrances for steam rooms, deliverable in 1 l - 3 l - 5 l - 10 l canisters.



FRAGRANCES FOR SAUNA

Fragrances for saunas, deliverable in 1 l - 3 l - 5 l - 10 l canisters.



FRAGRANCES FOR EXPERIENCE SHOWERS

Fragrances for showers, deliverable in 1 l - 3 l - 5 l - 10 l canisters.



FRAGRANCES FOR ROOM AROMATIZATION

Fragrances for room aromatization, deliverable in 1 l bottles or 50 ml refill pack.

Here a small choice of our fragrances - others on demand:

	Fragrances for Steam Rooms	Fragrances for Sauna	Fragrances for Experience Showers	Fragrances for Room Aromatization
Exotic				
Orange				•
Orange-Tangerine	•	•		
Lemon				•
Papaya				•
Ceylon Mango	•			
Passion Fruit				•
Tropica/Passion Fruit			•	
Ice Lime	•			
Exotic Dream				•
Apple		•		
Bourbon Vanille	•	•		•
Mexico Lemon Grass	•			•
Slibowitz		•		
Lime		•		
Sumatra Orange			•	
Floral				
West-Indian-Rose	•	•		
Provence Lavender	•	•		
Sommer Grassland				•
Minty				
Alaska Mint	•	•		
Euka-Mint				•
Eucalyptus Menthole	•	•		
Ice-Mint/Arctic Sea			•	
Polaric Night			•	
Green				
Noble Fir/Spruce Needle	•	•		
Mountain Pine	•	•		
Eucalyptus				•
China Eucalyptus	•	•		
Finnish Birch tree		•		
Siberian Ice Steppe			•	
Aromatic				
Herbs of the Alps	•	•		•
French Melissa	•	•		
Camomile	•			•
Oriental	•			•
Toscana Herbal Garden	•			
Woody				
Sandle Wood				•





BRINE SOLUTION



Sterile, 5% brine solution for the nebulisation with SOLDOS to create a salty sea climate in the room.

Filled in Politainers (air sealed bag) to prevent the contamination of the brine solution with germs of the ambient air.

SCOPE OF DELIVERY

6 pieces of „Politainers“ filled with 5% brine solution, packed in carton.

Part no.	Description
17669	6 x 1 l brine solution incl. disinfection tabs
17667	6 x 5 l brine solution incl. disinfection tabs

FOAM AGENT



Foam agent for Hammam massages with FOAMDOS.

SCOPE OF DELIVERY

Part No.	Description
15455	Foam agent - Rose 10 l pH-neutral for sensitive skin with rose and coco oil
18347	Foam agent - Hey Flower 10 l pH-neutral for sensitive skin

ASSOCIATIONS



Bundesverband Schwimmbad & Wellness e.V. (bsw)



Deutscher Sauna-Bund e.V.



Deutsche Gesellschaft für das Badewesen e.V.



Österreichisches Sauna Forum



Bundesverband Deutscher Schwimmmeister e.V.



Hydrothermal SPA Forum

KEYWORD INDEX

Description	Page	Description	Page	Description	Page
13163-1-DUFTDOS Vario W-4-UNPL-Compact	86	Fragrances for room aromatisation	125	Package: Caribbean Storm SeD2	
13267-AEROM POWER	117	Fragrances for Sauna	125	with ceiling element	77
13349-1-DUFTDOSAK3-W-UNPL	118	Fragrances for Steam Rooms	125	Package: Caribbean Storm SeD2	
14168-DUFTDOS-DS	85	GRANUDOS 10-CPR Touch XL	20	with chromed ceiling element	78
16621-DUFTDOS-0-T	84	GRANUDOS 10-S4	13	Package: Fog Shower with ceiling element	74
17108-DUFTDOS-AK1-0	117	GRANUDOS 15-PR	22	Package: Fog Shower without ceiling element	74
17630-DUFTDOS-0-Compact	83	GRANUDOS 45/100-CPR Touch XL	21	Package: Niagara Rain SeD1-3K	
18876-1-DUFTDOS-AK1-UNPL	118	GRANUDOS 45/100-PB-V62	18	with ceiling element	75
19694-DUFTDOS Vario 4 T-Sa-Compact	87	GRANUDOS 45/100-Plus-V70-Touch	16	Package: Niagara Rain SeD1-3K	
22190-DUFTDOSAK4-T-EDS1	119	GRANUDOS 45/100-PR	23	without ceiling element	75
Atlantic Ocean RA1	61	GRANUDOS 45/100-S4	14	Package: Tropica SeD6	
Bonnet for flush mounting of push button plates	65	Humidor loudspeaker	71	with ceiling element	76
Brine solution	126	HYGROMATIK CompactLine	92	Package: Tropical Thunder RA2	
Buffer tank for GRANUDOS-PB	19	HYGROMATIK HeatherLine	93	with ceiling element	81
Caribbean Storm SeD2	56	HYPODOS 200/300	15	Package: Tropical Thunder RA2	
Ceiling element PVC	72	Injection valve 1SK	35	without ceiling element	80
Ceiling element with backlighting	72	Injection valve 2SK	35	Remote Control	
Central control systems for Wellness areas	123	LED RGB Controller	69	for external steam generators	122
Chlorine Control	43	LED RGB Controller/Transformer for linelights	91	Remote Control	
Chrome plated ceiling element	73	LED RGB Controller/Transformer for linelights	103	for Hygromatik steam generators	121
Consoles for aroma pumps/-canisters	97	LED RGB Controller/Transformer for Spots	89	Safety tubs	37
Container GR 150	25	LED RGB Controller/Transformer for Spots	101	Sauna-Plus 8	99
Cover screens for nozzles	67	LED RGB Spots and mounting sleeves	68	SELDOS / HÄRTE+	31
CPR-COMPACT 3000	42	LED RGB Spots and mounting sleeves	88	Siberian Night SeD4	58
CPR Touch XL-2S	41	LED RGB Spots and mounting sleeves	100	Side Nozzle	67
Deaerator & Pulse Damper	37	Linelights / Light Battens	90	SOLDOS SL-V3	106
Dosing set for fragrance dosing	97	Linelights / Light Battens	102	SOLDOS-V3	105
Drizzle Nozzle	66	Midnight Rain SeD3	57	SOLFOG – Brine mist maker	107
Drum lifter	24	MP3 Player	70	Splash	67
Drum lifting trolley	24	Name plates for push button	65	Steam nozzle - steam inlet LD	97
Event Shower W3	52	Niagara Rain SeD1-2K	54	String Nozzle	66
Event Shower WK4 hot/cold change shower	53	Niagara Rain SeD1-3K	55	Suction lance	36
Feed system for GRANUDOS-Plus	17	PAKDOS mini-100-200-300-500	27	Switch-Over Automatic	36
FLOCOS+	34	PAKDOS 60	28	Technique for Healing Clay Steam Bath	94
Foam agent	126	PH/REDOX-COMPACT	44	Technique for Steam Shower	96
FOAMDOS	109	Polar Flash SeD5	59	Tele indication 10" Shower	45
Fog Nozzle	66	POOLKLAR Touch XL-V2	39	Tropica SeD6	60
Fog Shower W2	49	POOL-PR 2S	40	Tropical Nozzle	66
Foot basin made of ceramics	114	Push button for steam rooms	97	Tropical Rain W2	50
Foot basin made of Corian®	115	Push button plates alu-dibond with illumination	64	Tropical Thunder RA2	62
Foot bath sputtering system for 1 basin	111	Push button plates alu-dibond without illumination	64	UNODOS+	33
Foot bath sputtering system for 2 basins	112	Package: Atlantic Ocean RA1		Water Fun ID1	63
Fragrance Shower ESB-11	51	with ceiling element	79	Wide Jet Nozzle	67
Fragrances for Experience Showers	125				



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