

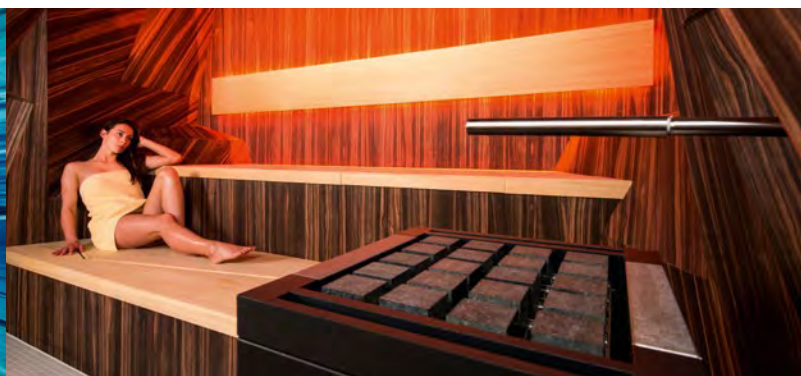
The better solution.



WDT
Werner Dosiertechnik

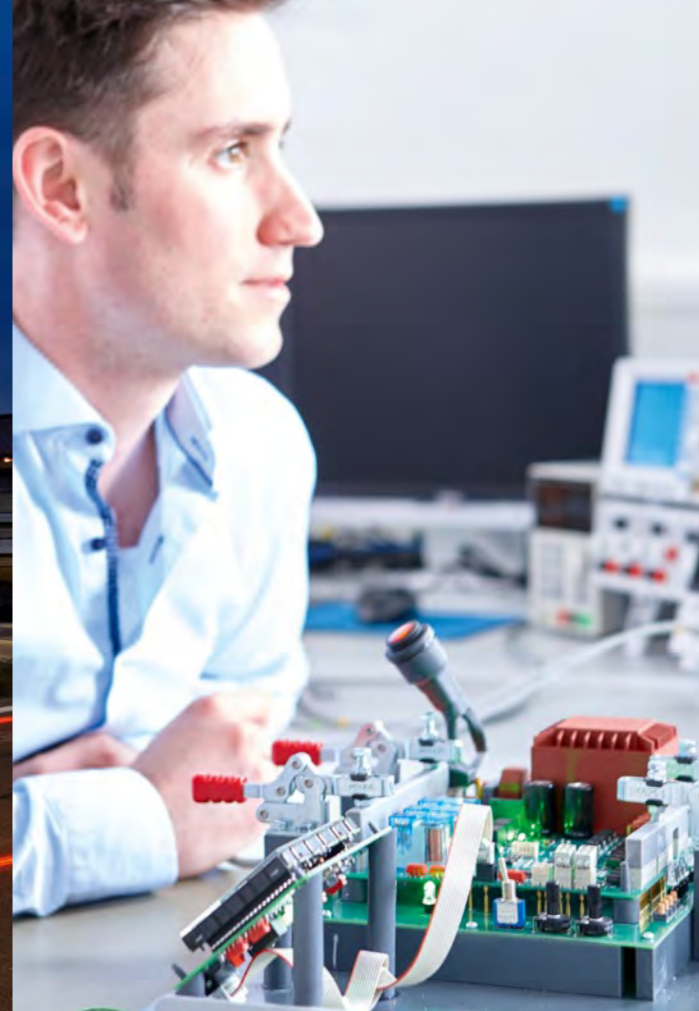
PRODUCT CATALOGUE

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

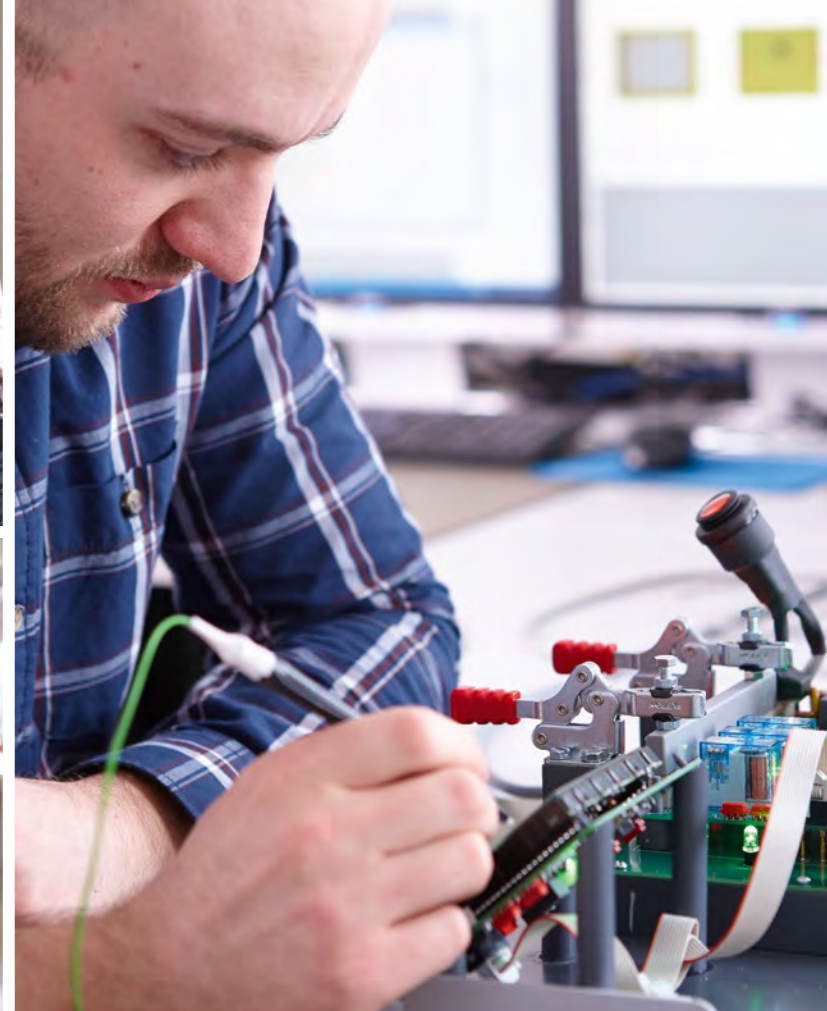
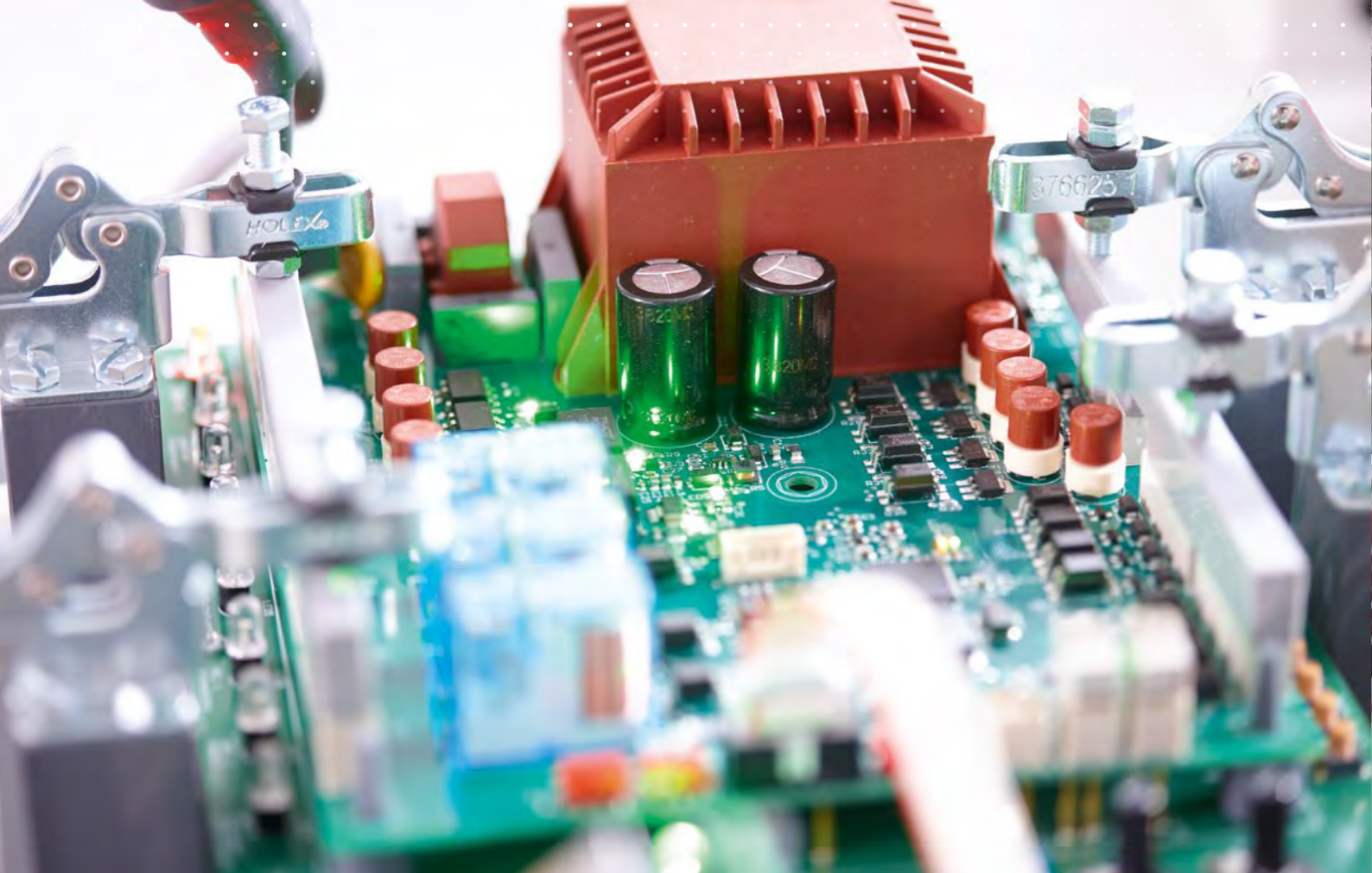
Quality has to be part of a company's mind set before it can be realised. Sophisticated product concepts and technical excellence guarantee highest functionality and quality level for all goods that we produce. From the individual unit to the serial product, we produce 100 % of our products at our factory 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.



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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+



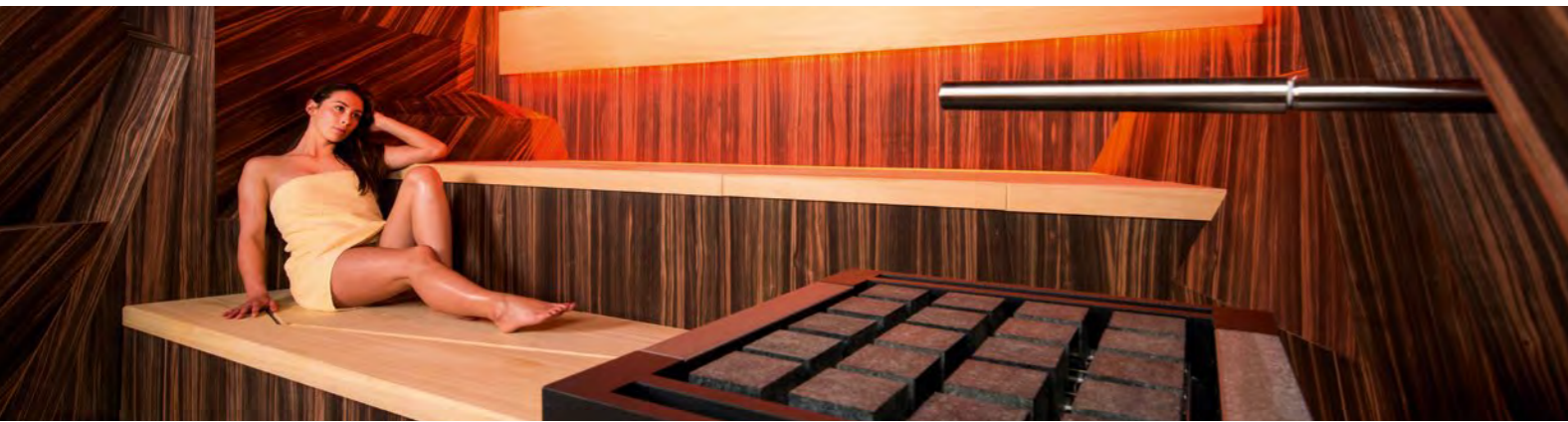
32 Dosing pumps & accessories – UNODOS / FLOCDOS

- 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

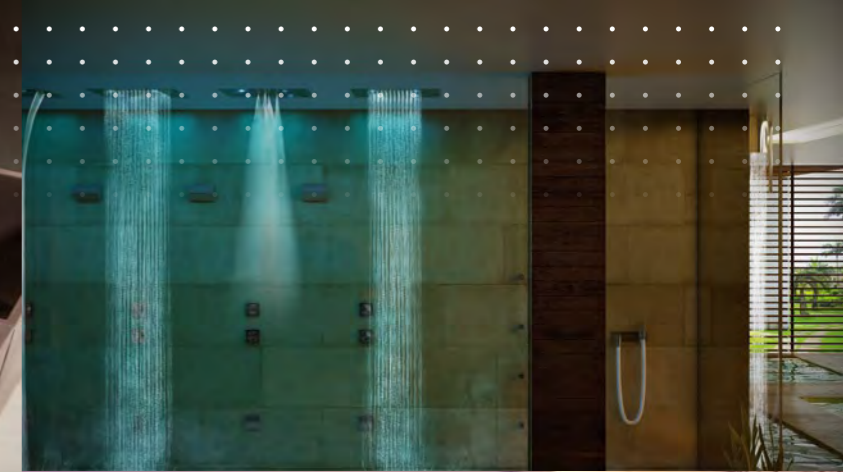
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WELLNESS



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



Experience Showers

Smell, sight, hearing and touch. Our product line, Experience Showers, activates all the senses of the user of a wellness shower. Aromatized rain showers with light and sound effects create a pleasant dream world for the user.

With the push of a button, a warm tropical rain patters down onto the shower guest. An exotic aroma fills the air. Birds tweeter and a warm light shines. Flashing lights and growling thunder fill the room. This is only one of many possible shower scenarios that is realizable with techniques from our product line, Experience Showers.

There are nearly no limits to the fantasy and the technical possibilities available. The conceptual design of the components is organized in kits that can individually be assembled. A simple, quick and trouble-free installation is guaranteed as all components such as the controller, thermo-mixer, solenoid valves, non-return valve, aroma pump and aroma reservoir are pre-installed on a mounting board.

Page:

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



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FOG SHOWER W2

FUNCTION DESCRIPTION

After the start of the programme by a button the light in the shower changes from white to a blue-green color change. A cold, refreshing fog with very fine droplets starts to spray and a minty, cooling aroma fills the air. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the fog and the sound are switching off. The endurance of the programme and the aroma intensity can be adjusted individually at the controller. As an option the tubing to the nozzles can be emptied automatically after the programme.

SCOPE OF DELIVERY

- The control panel Fog Shower W2 consists of:
- Supply with pre-filter and ball valve MS 1/2" female thread
 - Outlet with solenoid valve 1/2" and screwing 1/2"
 - Fragrance pump with fragrance reservoir and empty switch
 - Dosing valve for the injection of aroma into the water tube
 - Microprocessor controller EDS1 in housing
 - Completely tubed and pre-wired on PP board grey

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	100 W
Water supply	1/2" female thread
Measures	W 50 cm x H 65 cm x D 20 cm
Weight	app. 10 kg



TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 1/2"
- Needed pressure: 3 bar dynamic
- Water quantity: app. 12 l/min at the use of 2 Fog Nozzles
- Tubing to the nozzles
- Non-return according to DIN EN1717 in the supply
- Drain in the plants room

ACCESSORIES / OPTIONS

- To be ordered separately:
- Push button plate with bonnet for flush-mounting
 - Nozzles
 - Illumination
 - Sound module
 - Ceiling element / Function Plate
 - Emptying
 - Fragrance





TROPICAL RAIN W2

FUNCTION DESCRIPTION

After the start of the programme by a button the light in the shower changes from white to a red-green color change. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower and a fruity, lively aroma fills the air. You hear birds tweeting. After the end of the programme the illumination changes back to white, the rain and the sound are switching off. The endurance of the programme and the aroma intensity can be adjusted individually at the controller.

SCOPE OF DELIVERY

- The control panel Tropical Rain W2 consists of:
- 2 x Supply with pre-filter and ball valve MS 1/2" female thread
 - Thermo mixer JRG 1/2" with non-return valves
 - Outlet with solenoid valve 1/2" and screwing 1/2"
 - Emptying for the tube to the nozzle
 - Fragrance pump with fragrance reservoir and empty switch
 - Dosing valve for the injection of aroma into the water tube
 - Microprocessor controller EDS1 in housing
 - Completely tubed and pre-wired on PP board grey

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	100 W
Water supply	2 x 1/2" female thread
Measures	W 50 cm x H 65 cm x D 20 cm
Weight	app. 11 kg



TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 1/2"
- Water connection warm 1/2"
- Needed pressure: 3 bar dynamic
- Water quantity: app. 40 l/min at the use of 2 Rain Nozzles
- Tubing to the nozzles
- 2 x Non-return according to DIN EN1717 in the supplies
- Drain in the plants room

ACCESSORIES / OPTIONS

- To be ordered separately:
- Push button plate with bonnet for flush-mounting
 - Nozzles
 - Illumination
 - Sound module
 - Ceiling element / Function Plate
 - Fragrance

FRAGRANCE SHOWER ESB-11

FUNCTION DESCRIPTION

System for the aromatization of shower water with solenoid diaphragm pump and dosing unit. The aromatization starts automatically together with the water of the shower (as an option it can be started by a push button or by an external non-volt contact). The dosing performance is adjustable from 1 - 15 ml/min. If the fragrance reservoir gets empty, the pump switches off. The connection to the water tubing can be easily done by the incl. dosing unit.

SCOPE OF DELIVERY

- The Fragrance Shower-ESB11 consists of:
- Fragrance pump with fragrance reservoir
 - Dosing valve for the injection of aroma into the water tube
 - 3 m dosing tube PTFE
 - Empty switch
 - Pressure switch for the start of the pump in dosing unit
 - Controller/ transformer NT24b in housing with test switch
 - Completely pre-wired on PP board grey

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	30 W
max. back pressure	app. 5 bar
Measures	W 25 cm x H 50 cm x D 20 cm
Weight	app. 4,5 kg



TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Electrical supply 230 V
- Non-return according to DIN EN1717 in the supply

ACCESSORIES / OPTIONS

- Push button plate with bonnet for flush-mounting
- Aromatization by non-volt control contact
- Fragrance





EVENT SHOWER W3

FUNCTION DESCRIPTION

The Event Shower W3 is ideal for a Kneipp cooling effect from the legs in direction of the heart by side nozzles. After the start of the programme by a button the light in the shower changes from white to blue. The lowest pair of side nozzles (level of the legs) starts to spray cold water. After an adjustable time the middle pair of nozzles (level of the hips) follows and after the same time again the upper pair of nozzles (level of the upper part of the body). The pairs of nozzles can work together or separately from each other. After the end of the programme the illumination changes back to white and the nozzles are switching off.

SCOPE OF DELIVERY

- Supply with pre-filter and ball valve MS 3/4" female thread
- 3 x Outlet with solenoid valve 1/2" and screwing 1/2"
- Microprocessor controller EDS1 in housing
- Completely tubed and pre-wired on PP board grey

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	100 W
Water supply	3/4" female thread
Measures	W 50 cm x H 50 cm x D 20 cm
Weight	app. 7 kg



TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 3/4"
- Needed pressure: 3 bar dynamic
- Water quantity: 56 l/min at the use of 6 WDT Side Nozzles
- Tubing to the nozzles

ACCESSORIES / OPTIONS

- To be ordered separately:
- Push button plate with bonnet for flush-mounting
 - Nozzles
 - Illumination
 - Sound module

EVENT SHOWER WK4 HOT/COLD CHANGE SHOWER

FUNCTION DESCRIPTION

The Event Shower WK4 is ideal for a Kneipp hot-cold change shower from the legs in direction of the heart by side nozzles. After the start of the programme by a button the light in the shower changes from white to blue. The lowest pair of side nozzles at the level of the legs starts to spray cold water. After an adjustable time the pair of nozzles at the level of the hips follows, then the pair of nozzles at the level of the stomach followed by a pair at the level of the shoulders. Now the temperature changes from cold to warm water, the light changes to red and the 4 pairs of nozzles work in the opposite direction. After the end of the programme the illumination changes back to white and the nozzles are switching off.

SCOPE OF DELIVERY

- 2 x Supply with pre-filter and ball valve MS 1/2" female thread
- Thermo mixer JRG 1/2" with non-return valves
- 4 x Outlet with solenoid valve 1/2" and screwing 1/2"
- 2 x solenoid valve 1/2" for cold-warm change
- Microprocessor controller EDS1 in housing
- Completely tubed and pre-wired on PP board grey

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	100 W
Water supply	2 x 1/2" female thread
Measures	W 65 cm x H 50 cm x D 20 cm
Weight	app. 10 kg



TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 1/2"
- Water connection warm 1/2"
- Needed pressure: 3 bar dynamic
- Water quantity: 72 l/min at the use of 8 WDT Side Nozzles
- Tubing to the nozzles

ACCESSORIES / OPTIONS

- To be ordered separately:
- Push button plate with bonnet for flush-mounting
 - Nozzles
 - Illumination
 - Sound module





NIAGARA RAIN SED1-2K

FUNCTION DESCRIPTION

Programme 1: Tropical Rain

After the start of the programme by a button the light in the shower changes from white to red. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower. You hear birds tweeting. After the end of the programme the illumination changes back to white, the rain and the sound are switching off.

Programme 2: Fog Shower

After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing fog with very fine droplets starts to spray. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.

Programme 3: Niagara Rain

The programme starts with the cold, refreshing Fog Shower and blue light. In a distance you hear the sound of waves and sea. In the following the warm Tropical Rain with big, smooth drops increases the water volume and works together with the Fog. The illumination in the shower changes to a red-green color change. In the last step of the programme the warm Tropical Rain stops and programme finishes with the cold Fog and a blue-green color change. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.

SCOPE OF DELIVERY

- 2 x Supply with pre-filter and ball valve MS 1/2" female thread
- Thermo mixer JRG 1/2" with non-return valves
- 2 x Outlet with solenoid valve 1/2" and screwing 1/2"
- Microprocessor controller EDS1 in housing
- Completely tubed and pre-wired on PP board grey



TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	100 W
Water supply	2 x 1/2" female thread
Measures	W 50 cm x H 65 cm x D 20 cm
Weight	app. 7 kg

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 1/2"
- Water connection warm 1/2"
- Needed pressure: 3 bar dynamic
- Water quantity: app. 50 l/min at the use of 2 Rain- and 2 Fog Nozzles

ACCESSORIES / OPTIONS

To be ordered separately:

- Push button plate with bonnet for flush-mounting
- Nozzles
- Illumination
- Sound module
- Ceiling element / Function plate

NIAGARA RAIN SED1-3K

FUNCTION DESCRIPTION

Programme 1: Tropical Rain

After the start of the programme by a button the light in the shower changes from white to red. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the rain and the sound are switching off.

Programme 2: Fog Shower

After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing fog with very fine droplets starts to spray. You hear the sound of an alpine creek. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.

Programme 3: Side Nozzles

After the start of the programme by a button the light in the shower changes from white to green. Warm Side Nozzles are massaging the guest in the shower. You hear birds tweeting. After the end of the programme the illumination changes back to white, the nozzles and the sound are switching off.

Programme 4: Niagara Rain

The programme starts with warm Side Nozzles and green light. You hear birds tweeting. In the following the warm Tropical Rain with big, smooth drops increases the water volume and works together with the Side Nozzles. You hear a thunderstorm coming and you see flashlights. In the final programme step the thunderstorm is finishing. The Tropical Rain stops and the Cold Fog is spraying together with the warm Side Nozzles. The illumination in the shower changes to a blue-green color change and you hear birds tweeting again. After the end of the programme the illumination changes back to white, the fog, the side nozzles and the sound are switching off.

SCOPE OF DELIVERY

- 2 x Supply with pre-filter and ball valve MS 3/4" female thread
- Thermo mixer JRG 3/4" with non-return valves
- 2 x Outlet with solenoid valve 1/2" and screwing 1/2"
- 1 x Outlet with solenoid valve 3/4" and screwing 3/4"
- Microprocessor controller EDS1 in housing
- Completely tubed and pre-wired on PP board grey



Optionally you can use Drizzle- instead of Side Nozzles for programme 3 and 4.

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	100 W
Water supply	2 x 3/4" female thread
Measures	W 50 cm x H 65 cm x D 20 cm
Weight	app. 8 kg

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 3/4"
- Water connection warm 3/4"
- Needed pressure: 3 bar dynamic
- Water quantity: app. 70 l/min at the use of 2 Rain- /2 Fog and 6 WDT Side Nozzles
- Tubing to the nozzles

ACCESSORIES / OPTIONS

To be ordered separately:

- Push button plate with bonnet for flush-mounting
- Nozzles
- Illumination
- Sound module
- Ceiling element / Function plate





CARIBBEAN STORM SED2

FUNCTION DESCRIPTION

Programme 1: Tropical Rain with aroma

After the start of the programme by a button the light in the shower changes from white to red. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower. A fruity, lively aroma fills the air. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the Tropical Rain with aroma and the sound are switching off.

Programme 2: Fog Shower

After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing fog with very fine droplets starts to spray. You hear the sound of an alpine creek. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.

Programme 3: Side Nozzles

After the start of the programme by a button the light in the shower changes from white to green. Warm Side Nozzles are massaging the guest in the shower. You hear birds tweeting. After the end of the programme the illumination changes back to white, the nozzles and the sound are switching off.

Programme 4: Caribbean Storm

The programme starts with warm Side Nozzles and green light. You hear birds tweeting. In the following the warm Tropical Rain with big, smooth drops increases the water volume and works together with the Side Nozzles. A fruity, lively aroma fills the air. You hear a thunderstorm coming and you see flashlights. In the final programme step the thunderstorm is finishing. The Tropical Rain stops and the Cold Fog is spraying together with the warm Side Nozzles. The illumination in the shower changes to a blue-green color change and you hear birds tweeting again. After the end of the programme the illumination changes back to white, the fog, the side nozzles and the sound are switching off.

Optionally you can use Drizzle- instead of Side Nozzles for programme 3 and 4.

SCOPE OF DELIVERY

- 2 x Supply with pre-filter and ball valve MS 3/4" female thread
- Thermo mixer JRG 3/4" with non-return valves
- 2 x Outlet with solenoid valve 1/2" and screwing 1/2"



- 1 x Outlet with solenoid valve 3/4" and screwing 3/4"
- Emptying for the tube to the aromatized nozzle
- Fragrance pump with fragrance reservoir and empty switch
- Dosing valve for the injection of aroma into the water tube
- Non-return according to DIN EN1717
- Microprocessor controller EDS1 in housing
- Completely tubed and pre-wired on PP board grey

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	100 W
Water supply	2 x 3/4" female thread
Measures	W 75 cm x H 75 cm x D 20 cm
Weight	app. 15 kg

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 3/4"
- Water connection warm 3/4"
- Needed pressure: 3 bar dynamic
- Water quantity: app. 70 l/min at the use of 2 Rain- /2 Fog and 6 WDT Side Nozzles
- Tubing to the nozzles
- Drain in the plants room

ACCESSORIES / OPTIONS

- To be ordered separately:
- Push button plate with bonnet for flush-mounting
 - Nozzles
 - Illumination
 - Sound module
 - Ceiling element / Function Plate
 - Fragrance

MIDNIGHT RAIN SED3

FUNCTION DESCRIPTION

Programme 1: Fog Shower with aroma

After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing fog with very fine droplets starts to spray and a minty, cooling aroma fills the air. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.

Programme 2: Tropical Rain

After the start of the programme by a button the light in the shower changes from white to red. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower. You hear birds tweeting. After the end of the programme the illumination changes back to white, the rain and the sound are switching off.

Programme 3: Side Nozzles

After the start of the programme by a button the light in the shower changes from white to green. Side Nozzles are massaging the guest in the shower. You hear the sound of an alpine creek. After the end of the programme the illumination changes back to white, the nozzles and the sound are switching off.

Programme 4: Midnight Rain

The programme starts with warm Side Nozzles and green light. You hear the sound of an alpine creek. In the following the cold refreshing Fog is added and works together with the Side Nozzles. A minty, refreshing aroma fills the air. The illumination in the shower changes to a blue-green color change. In the final programme step the Fog Shower stops. The warm Side Nozzles are spraying together with the warm Tropical Rain. The illumination in the shower changes to a red-green-blue color change. After the end of the programme the illumination changes back to white, the Side Nozzles, the Tropical Rain and the sound are switching off.

Optionally you can use Drizzle- instead of Side Nozzles for programme 3 and 4.

SCOPE OF DELIVERY

- 2 x Supply with pre-filter and ball valve MS 3/4" female thread
- Thermo mixer JRG 3/4" with non-return valves
- 2 x Outlet with solenoid valve 1/2" and screwing 1/2"



- 1 x Outlet with solenoid valve 3/4" and screwing 3/4"
- Emptying for the tube to the aromatized nozzle
- Fragrance pump with fragrance reservoir and empty switch
- Dosing valve for the injection of aroma into the water tube
- Non-return according to DIN EN1717
- Microprocessor controller EDS1 in housing
- Completely tubed and pre-wired on PP board grey

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	100 W
Water supply	2 x 3/4" female thread
Measures	W 75 cm x H 75 cm x D 20 cm
Weight	app. 15 kg

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 3/4"
- Water connection warm 3/4"
- Needed pressure: 3 bar dynamic
- Water quantity: app. 70 l/min at the use of 2 Rain- /2 Fog and 6 WDT Side Nozzles
- Tubing to the nozzles
- Drain in the plants room

ACCESSORIES / OPTIONS

- To be ordered separately:
- Push button plate with bonnet for flush-mounting
 - Nozzles
 - Illumination
 - Sound module
 - Ceiling element / Function Plate
 - Fragrance





SIBIRIAN NIGHT SED4

FUNCTION DESCRIPTION

Programme 1: Fog Shower with aroma

After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing fog with very fine droplets starts to spray and a minty, cooling aroma fills the air. You hear the sound of an alpine creek. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.

Programme 2: Tropical Rain

After the start of the programme by a button the light in the shower changes from white to red. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower. You hear birds tweeting. After the end of the programme the illumination changes back to white, the rain and the sound are switching off.

Programme 3: Cold Side Nozzles

After the start of the programme by a button the light in the shower changes from white to green. Cold Side Nozzles are massaging the guest in the shower. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the nozzles and the sound are switching off.

Programme 4: Siberian Night

The programme starts with the warm Tropical Rain and red light. You hear birds tweeting. In the following the cold refreshing Fog is added and works together with the Tropical Rain. A minty, refreshing aroma fills the air. The illumination in the shower changes to red-green color change. In the final programme step the Fog Shower stops. The cold Side Nozzles are spraying together with the warm Tropical Rain. The illumination in the shower changes to flash lights and you hear thunder roll. After the end of the programme the illumination changes back to white, the Side Nozzles, the Tropical Rain and the sound are switching off.

Optionally you can use Drizzle- instead of Side Nozzles for programme 3 and 4.

SCOPE OF DELIVERY

- 1 x Supply cold with pre-filter and ball valve MS 1/2" female thread
- 1 x Supply warm with pre-filter and ball valve MS 3/4" female thread
- Thermo mixer JRG 1/2" with non-return valves
- 2 x Outlet with solenoid valve 1/2" and screwing 1/2"
- 1 x Outlet with solenoid valve 3/4" and screwing 3/4"



- Emptying for the tube to the aromatized nozzle
- Fragrance pump with fragrance reservoir and empty switch
- Dosing valve for the injection of aroma into the water tube
- Non-return according to DIN EN1717
- Microprocessor controller EDS1 in housing
- Completely tubed and pre-wired on PP board grey

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	100 W
Water supply	1 x 3/4" and 1 x 1/2" female thread
Measures	W 75 cm x H 75 cm x D 20 cm
Weight	app. 15 kg

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 3/4"
- Water connection warm 1/2"
- Needed pressure: 3 bar dynamic
- Water quantity: app. 70 l/min at the use of 2 Rain- /2 Fog and 6 WDT Side Nozzles
- Tubing to the nozzles
- Drain in the plants room

ACCESSORIES / OPTIONS

- To be ordered separately:
- Push button plate with bonnet for flush-mounting
 - Nozzles
 - Illumination
 - Sound module
 - Ceiling element / Function Plate
 - Fragrance

POLAR FLASH SED5

FUNCTION DESCRIPTION

Programme 1: Fog Shower with aroma

After the start of the programme by a button the light in the shower changes from white to a blue-green color change. A cold, refreshing fog with very fine droplets starts to spray and a minty, cooling aroma fills the air. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.

Programme 2: Cold Drizzle Rain

After the start of the programme by a button the light in the shower changes from white to blue. A cold Drizzle Rain with soft drops refreshes the guest in the shower. You hear birds tweeting. After the end of the programme the illumination changes back to white, the Drizzle Rain and the sound are switching off.

Programme 3: Cold Side Nozzles

After the start of the programme by a button the light in the shower changes from white to green. Cold Side Nozzles are massaging the guest in the shower. You hear the sound of an alpine creek. After the end of the programme the illumination changes back to white, the nozzles and the sound are switching off.

Programme 4: Polar Flash

The programme starts with the cold Side Nozzles and green light. You hear the sound of an alpine creek. In the following the cold refreshing Fog is added and works together with Side Nozzles. A minty, refreshing aroma fills the air. The illumination in the shower changes to a blue-green color change. In the final programme step the Fog Shower stops. The cold Side Nozzles are spraying together with the cold Drizzle Rain. After the end of the programme the illumination changes back to white, the Side Nozzles, the Drizzle Rain and the sound are switching off.

SCOPE OF DELIVERY

- 1 x Supply cold with pre-filter and ball valve MS 3/4" female thread
- 2 x Outlet with solenoid valve 1/2" and screwing 1/2"
- 1 x Outlet with solenoid valve 3/4" and screwing 3/4"
- Emptying for the tube to the aromatized nozzle
- Fragrance pump with fragrance reservoir and empty switch
- Dosing valve for the injection of aroma into the water tube
- Non-return according to DIN EN1717
- Microprocessor controller EDS1 in housing
- Completely tubed and pre-wired on PP board grey



TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	100 W
Water supply	1 x 3/4" female thread
Measures	W 75 cm x H 75 cm x D 20 cm
Weight	app. 12 kg

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 3/4"
- Needed pressure: 3 bar dynamic
- Water quantity: app. 47 l/min at the use of 2 Drizzle- /2 Fog and 6 WDT Side Nozzles
- Tubing to the nozzles
- Drain in the plants room

ACCESSORIES / OPTIONS

- To be ordered separately:
- Push button plate with bonnet for flush-mounting
 - Nozzles
 - Illumination
 - Sound module
 - Ceiling element / Function Plate
 - Fragrance





TROPICA SED6

FUNCTION DESCRIPTION

Programme 1: Tropical Rain with aroma

After the start of the programme by a button the light in the shower changes from white to red. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower. A fruity, lively aroma fills the air. You hear birds tweeting. After the end of the programme the illumination changes back to white, the Tropical Rain with aroma and the sound are switching off.

Programme 2: Fog Shower

After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing fog with very fine droplets starts to spray. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.

Programme 3: Tropica

The programme starts with the cold Fog Shower and blue light. In a distance you hear the sound of waves and sea. In the following the warm Tropical Rain with big, smooth drops increases the water volume and works together with the Fog. A fruity, lively aroma fills the air. The illumination in the shower changes to a red-green color change. The programme lapses with the cold Fog and blue light. After the end of the programme the illumination changes back to white, the Fog and the sound are switching off.

SCOPE OF DELIVERY

- 2 x Supply with pre-filter and ball valve MS 1/2" female thread
- Thermo mixer JRG 1/2" with non-return valves
- 2 x Outlet with solenoid valve 1/2" and screwing 1/2"
- Emptying for the tube to the aromatized nozzle
- Fragrance pump with fragrance reservoir and empty switch
- Dosing valve for the injection of aroma into the water tube
- Non-return according to DIN EN1717
- Microprocessor controller EDS1 in housing
- Completely tubed and pre-wired on PP board grey



TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	100 W
Water supply	2 x 1/2" female thread
Measures	W 75 cm x H 75 cm x D 20 cm
Weight	app. 15 kg

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 1/2"
- Water connection warm 1/2"
- Needed pressure: 3 bar dynamic
- Water quantity: app. 47 l/min at the use of 2 Rain- and 2 Fog Nozzles
- Tubing to the nozzles
- Drain in the plants room

ACCESSORIES / OPTIONS

To be ordered separately:

- Push button plate with bonnet for flush-mounting
- Nozzles
- Illumination
- Sound module
- Ceiling element / Function Plate
- Fragrance

ATLANTIC OCEAN RA1

FUNCTION DESCRIPTION

Programme 1: Fog Shower

After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing fog with very fine droplets starts to spray. In a distance you hear the roll of thunder. After the end of the programme the illumination changes back to white, the Fog and the sound are switching off.

Programme 2 : Caribbean Storm

After the start of the programme by a button a warm String Rain starts to spray. The illumination in the shower changes to a red-green color change. Birds are tweeting. After an adjustable time a warm Tropical Rain with big, smooth drops increases the water volume. A fruity, lively aroma fills the air. Then the rain gets weaker again and the programme lapses with the warm String Rain. After the end of the programme the illumination changes back to white, the String Rain and the sound are switching off. The tubing is emptied automatically.

Programme 3: Atlantic Ocean

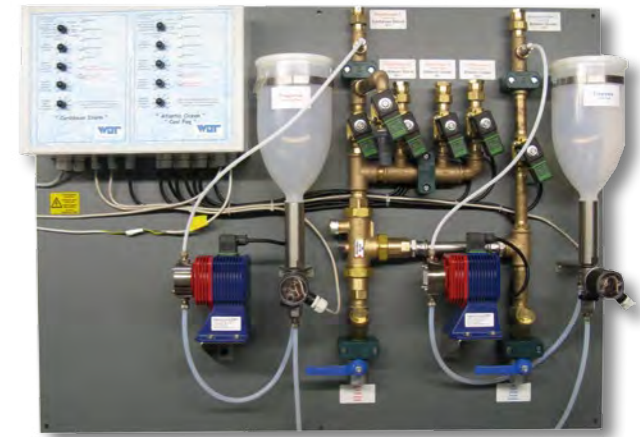
The programme starts with a warm Drizzle Rain. The illumination in the shower changes to a red-green-blue color change. You can hear a storm. After an adjustable time an additional Cold Fog cools the temperature down. A minty, refreshing aroma fills the air. In the last step of the programme the cold Fog is replaced by a warm Tropical Rain.

Programme 4: Tropical Rain

After the start of the programme by a button the light in the shower changes from white to red. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower. A fruity, lively aroma fills the air. You hear birds tweeting. After the end of the programme the illumination changes back to white, the Tropical Rain with aroma and the sound are switching off.

SCOPE OF DELIVERY

- 2 x Supply with pre-filter and ball valve MS 3/4" female thread
- Thermo mixer JRG 3/4" with non-return valves
- 5 x Outlet with solenoid valve 1/2" and screwing 1/2"
- Emptying for the tube to the aromatized nozzle
- 2 x Fragrance pump with fragrance reservoir and empty switch
- 2 x Dosing valve for the injection of aroma into the water tube
- 2 x Microprocessor controller EDS1 in housing
- Completely tubed and pre-wired on PP board grey



TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	150 W
Water supply	2 x 3/4" female thread
Measures	W 100 cm x H 75 cm x D 20 cm
Weight	ca. 20 kg

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230V
- Water connection cold 3/4"
- Water connection warm 3/4"
- Needed pressure: 3 bar dynamic
- Water quantity max: app. 65 l/min
- Tubing to the nozzles
- Drain in the plants room
- 2 x Non-return according to DIN EN1717 in the supplies

ACCESSORIES / OPTIONS

To be ordered separately:

- Push button plate with bonnet for flush-mounting
- Nozzles
- Illumination
- Sound module
- Ceiling element / Function Plate
- Fragrance





TROPICAL THUNDER RA2

FUNCTION DESCRIPTION

Programme 1: Tropical Rain

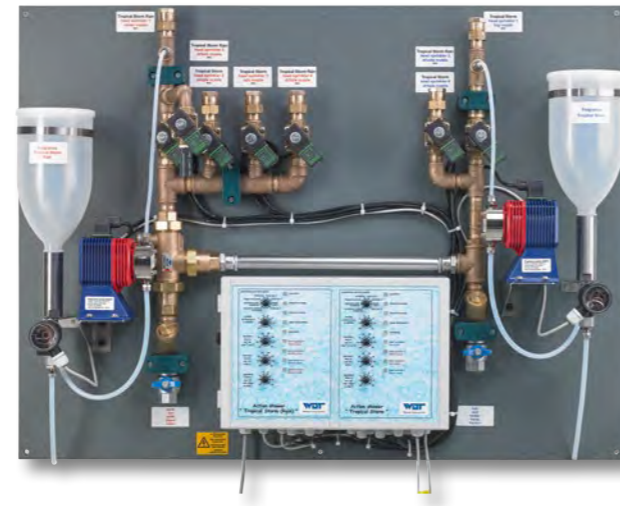
After the start of the programme by a button the light in the shower changes from white to red and a soft, warm Drizzle Rain patters onto the guest in the shower. You hear birds tweeting. In the following a warm String Rain is added. A fruity, lively aroma fills the air. The light changes to yellow. Now a cold Drizzle Rain cools the temperature down. An automatical yellow-green color change starts. Then the cold Drizzle stops and the programme finishes with the warm Drizzle, the aromatized String Rain and an automatical red-green color change. After the end of the programme the illumination changes back to white, the warm Drizzle and the aromatized String Rain are switching off.

Programme 2: Tropical Storm

The programme starts with a warm Drizzle and red light. In a distance you hear the sound of waves and sea. After an adjustable time the light changes to green and a cold, refreshing fog with very fine droplets is added. A minty, cooling aroma fills the air. In the following the warm Drizzle stops and the cold Fog continues. Now a warm Tropical Rain with blue light is added and then goes in the following over into a warm Drizzle. Then cold and warm Drizzle are alternating additionally to the cold Fog. You hear a thunderstorm coming and you see flashlights. The thunderstorm finishes in the last step of the programme. The illumination changes to red and the programme lapses with a warm Drizzle. After the end of the programme the illumination changes back to white, the warm Drizzle is switched off.

SCOPE OF DELIVERY

- 2 x Supply with pre-filter and ball valve MS 3/4" female thread
- Thermo mixer JRG 3/4" with non-return valves
- 6 x Outlet with solenoid valve 1/2" and screwing 1/2"
- Emptying for the tube to the aromatized nozzle
- 2 x Fragrance pump with fragrance reservoir and empty switch
- 2 x Dosing valve for the injection of aroma into the water tube
- 2 x Microprocessor controller EDS1 in housing
- Completely tubed and pre-wired on PP board grey



TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	150 W
Water supply	2 x 3/4" female thread
Measures	W 100 cm x H 75 cm x D 20 cm
Weight	app. 20 kg

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 3/4"
- Water connection warm 3/4"
- Needed pressure: 3 bar dynamic
- Water quantity max: app. 54 l/min
- Tubing to the nozzles
- Drain in the plants room
- 2 x Non-return according to DIN EN1717 in the supplies

ACCESSORIES / OPTIONS

To be ordered separately:

- Push button plate with bonnet for flush-mounting
- Nozzles
- Illumination
- Sound module
- Ceiling element / Function Plate
- Fragrance

WATER FUN ID1

FUNCTION DESCRIPTION

Programme 1: Water Fun

After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing Fog with very fine droplets starts to spray and a minty, cooling aroma fills the air. In a distance you hear the sound of waves and sea. Now the lowest pair of side nozzles at the level of the legs starts to spray cold water. After an adjustable time the pair of nozzles at the level of the hips follows, then the pair of nozzles at the level of upper body. Now the temperature changes from cold to warm water, the light changes to red and the 3 pairs of nozzles work in the opposite direction. The programme lapses with the cold, aromatized Fog. After the end of the programme the illumination changes back to white and the nozzles are switching off.

Programme 2: Tropical Rain

The programme starts with a warm Drizzle and an automatical red-green color change. A fruity, lively aroma fills the air. You hear birds tweeting. After an adjustable time a warm Tropical Rain with big, smooth drops is added and patters onto the guest in the shower. Now the rain is getting weaker and the programme lapses with the warm Drizzle. After the end of the programme the illumination changes back to white, the Drizzle with aroma and the sound are switching off.

Programme 3: Mediterranean

The programme starts with a cold Fog and an automatical red-green-blue color change. In a distance you hear the roll of thunder. After an adjustable time a soft, warm Drizzle is added. In the following the cold Fog stops and the programme lapses with the warm Drizzle. After the end of the programme the illumination changes back to white, the Drizzle and the sound are switching off.

SCOPE OF DELIVERY

- 2 x Supply with pre-filter and ball valve MS 3/4" female thread
- Thermo mixer JRG 3/4" with non-return valves
- 8 x Outlet with solenoid valve 1/2" and screwing 1/2"
- 2 x Solenoid valve for cold-warm change
- 2 x Emptying for the tube to the aromatized nozzle
- 2 x Fragrance pump with fragrance reservoir and empty switch
- 2 x Dosing valve for the injection of aroma into the water tube
- 2 x Microprocessor controller EDS1 in housing
- Completely tubed and pre-wired on PP board grey



TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	150 W
Water supply	2 x 3/4" female thread
Measures	W 120 cm x H 75 cm x D 20 cm
Weight	app. 20 kg

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 3/4"
- Water connection warm 3/4"
- Needed pressure: 3 bar dynamic
- Water quantity max: app. 47 l/min
- Tubing to the nozzles
- Drain in the plants room
- 2 x Non-return according to DIN EN1717 in the supplies

ACCESSORIES / OPTIONS

To be ordered separately:

- Push button plate with bonnet for flush-mounting
- Nozzles
- Illumination
- Sound module
- Ceiling element / Function Plate
- Fragrance





PUSH BUTTON PLATES ALU-DIBOND WITHOUT ILLUMINATION



FUNCTION DESCRIPTION

Dibond- push button plates with Piezo push buttons without illumination

Plates with 1 - 4 Piezo buttons and deepening for name plates. With plug connection or open wires.

SCOPE OF DELIVERY

- Basic plate aluminum-plastics 4 mm
- Piezo push-button(s)
- 7 m wire/4 screws M4 x 30
- Connector for the connection to WDT systems
- Excl. bonnet for flush-mounting

TO BE PROVIDED BY THE BUILDER

- Empty conduit d 25 for the installation of the cable

ACCESSORIES / OPTIONS

- Bonnet for flush mounting
- Push button plate made of brushed stainless steel, brass chromed, Corian etc.



TECHNICAL DATA

Electrical supply	12 - 24 VDC
Power supply	max. 1 W
Measures 1-fold plate Part. No. 19005	W 76 mm x H 109 mm
Measures 2-fold plate Part. No. 19006	W 76 mm x H 142 mm
Measures 3-fold plate Part. No. 19009	W 76 mm x H 175 mm
Measures 4-fold plate Part. No. 19010	W 76 mm x H 208 mm

PUSH BUTTON PLATES ALU-DIBOND WITH ILLUMINATION



FUNCTION DESCRIPTION

Dibond- push button plates with Piezo push buttons with illumination

Plates with 1 - 4 Piezo buttons with blue ring illumination and deepening for name plates. With plug connection or open wires.

SCOPE OF DELIVERY

- Basic plate aluminum-plastics 4 mm
- Piezo push-button(s) with blue illumination
- 7 m wire/4 screws M4 x 30
- Connector for the connection to WDT systems
- Excl. bonnet for flush-mounting

TO BE PROVIDED BY THE BUILDER

- Empty conduit d 25 for the installation of the cable

ACCESSORIES / OPTIONS

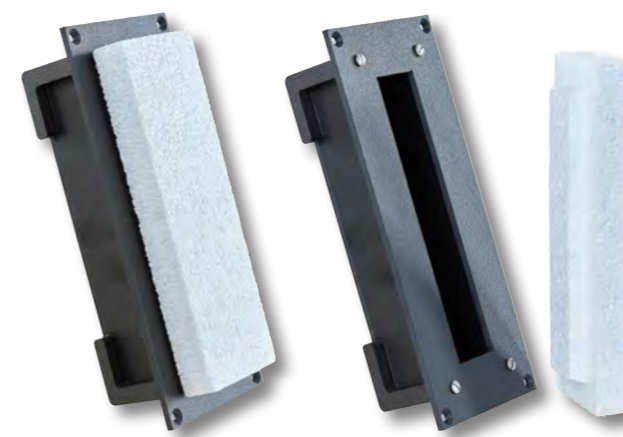
- Bonnet for flush mounting
- Push button plate made of brushed stainless steel, brass chromed, Corian etc.



TECHNICAL DATA

Electrical supply	12 - 24 VDC
Power supply	max. 1 W
Measures 1-fold plate Part. No. 19011	W 76 mm x H 109 mm
Measures 2-fold plate Part. No. 19012	W 76 mm x H 142 mm
Measures 3-fold plate Part. No. 19013	W 76 mm x H 175 mm
Measures 4-fold plate Part. No. 19014	W 76 mm x H 208 mm

BONNET FOR FLUSH MOUNTING OF PUSH BUTTON PLATES



FUNCTION DESCRIPTION

Bonnet for flush mounting for the installation of WDT push button plates into construction boards or brick walls. Material Polystyrol (PS), black.

SCOPE OF DELIVERY

- Built-in bonnet as described above incl. perforation for the connection of the empty conduit.
- Protective cover made of EPS for the definition of a clear tile edge and for the protection against pollution of the inside.

TECHNICAL DATA

Measures for 1-fold bonnet Part no. 21030-1	W 96 mm x H 129 mm x D 52 mm
Measures for 2-fold bonnet Part no. 21034-1	W 96 mm x H 162 mm x D 52 mm
Measures for 3-fold bonnet Part no. 21031-1	W 96 mm x H 195 mm x D 52 mm
Measures for 4-fold bonnet Part no. 21032-1	W 96 mm x H 228 mm x D 52 mm

NAME PLATES FOR PUSH BUTTONS



FUNCTION DESCRIPTION

For the labelling of the push button plates we offer a big choice of name plates. Beside our standard choice we can manufacture your individual name plate. Chinese or Russian name plates are realizable too for example.

SCOPE OF DELIVERY

Here is a small selection of name plates:

Part No.	Description
17528	Tropical Rain
17534	Cool Fog
18986	Side Nozzles
17527	Caribbean Storm
18596	Atlantic Ocean
17787	Kneipp





FOG NOZZLE

FUNCTION DESCRIPTION

- Fog Nozzle for a very fine, cold fog
- Very pleasant cooling effect
 - Wide spray angle
 - Water saving

SCOPE OF DELIVERY

- Part No. 13526 - Fog Nozzle
- Connection 1/2" female thread
 - Brass, chrome plated
 - 130° spray angle
 - 6 l per minute at 5 bar
 - H 31 mm, D 40 mm

ACCESSORIES / OPTIONS

- Cover screen part no. 13877



TROPICAL RAIN NOZZLE

FUNCTION DESCRIPTION

- Tropical Rain Nozzle for big, smooth drops
- Ideal as warm shower
 - For Tropical- or Gush Rain

SCOPE OF DELIVERY

- Part No. 13528 - Tropical Rain Nozzle
- Connection 1/2" female thread
 - Brass, chrome plated
 - 45° spray angle
 - 40 l per minute at 5 bar
 - H 31 mm, D 27 mm

ACCESSORIES / OPTIONS

- Cover screen part no. 13879



DRIZZLE NOZZLE

FUNCTION DESCRIPTION

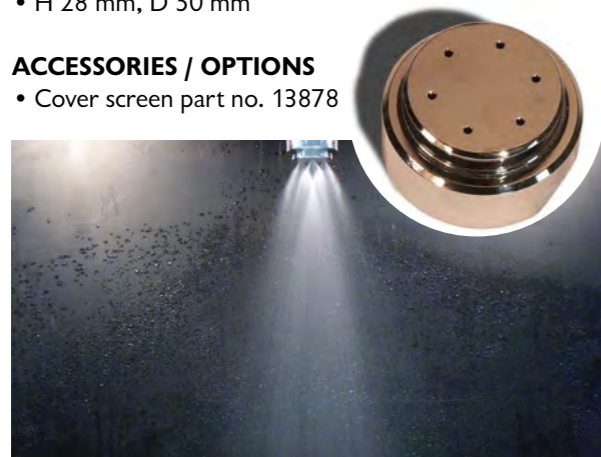
- Nozzle for a soft Drizzle Rain
- Ideal as warm shower
 - For Country- or Summer Rain
 - Water saving

SCOPE OF DELIVERY

- Part No. 13527 - Drizzle Nozzle
- Connection 1/2" female thread
 - Brass, chrome plated
 - 70° spray angle
 - 6 l per minute at 5 bar
 - H 28 mm, D 50 mm

ACCESSORIES / OPTIONS

- Cover screen part no. 13878



STRING NOZZLE

FUNCTION DESCRIPTION

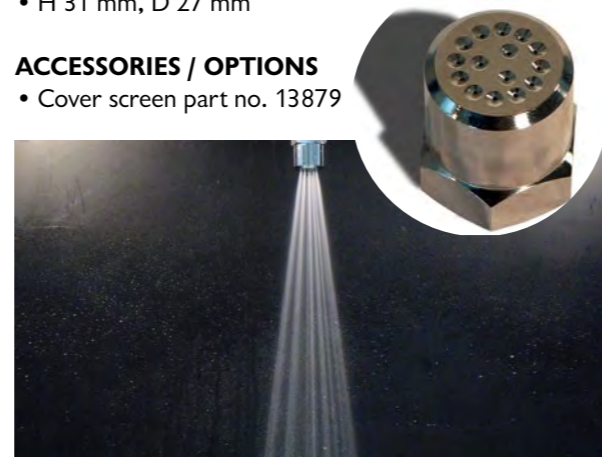
- String Nozzle for a warm, prickling rain
- Prickling on the skin, ideal as warm shower
 - 15 single, fine water jets create a continuous string rain

SCOPE OF DELIVERY

- Part No. 16593 - String Nozzle
- Connection 1/2" female thread
 - Brass, chrome plated
 - 66° spray angle
 - 16 l per minute at 5 bar
 - H 31 mm, D 27 mm

ACCESSORIES / OPTIONS

- Cover screen part no. 13879



SPLASH NOZZLE

FUNCTION DESCRIPTION

- Splash Nozzle for waterfall-/splash showers
- Big, smooth water wheel
 - Ideal as cooling shower
 - Water saving compared to normal splash sprinkler heads
 - For installation at the wall or at the sealing

SCOPE OF DELIVERY

- Part No. 16363 - Splash Nozzle
- Connection 1/2" female thread
 - Brass, chrome plated
 - 45° spray angle
 - 22,5 l per minute at 2 bar

ACCESSORIES / OPTIONS

- Cover screen part no. 13879



WIDE JET NOZZLE

FUNCTION DESCRIPTION

- Double-Wide jet nozzle
- Ideal for back massage
 - Ideal for water curtain effect or useful as side nozzle
 - Installation app. 1,20 - 1,40 m over floor level

SCOPE OF DELIVERY

- Part No. 16066 - Double-Wide jet nozzle
- Connection 1/2" female thread
 - Brass, chrome plated
 - 120° spray angle
 - 20 l per minute at 5 bar

ACCESSORIES / OPTIONS

- Cover screen part no. 13879



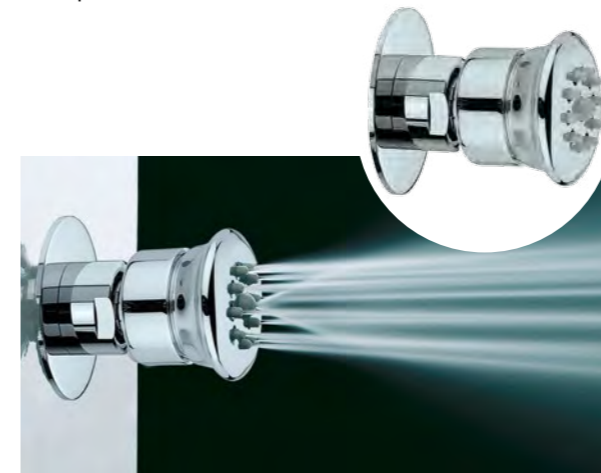
SIDE NOZZLE

FUNCTION DESCRIPTION

- Side Nozzle for the installation in the wall
- Ideal as warm shower
 - For Side Massage effect

SCOPE OF DELIVERY

- Part No. 19769 - Side Nozzle
- Connection 1/2" male thread
 - Chrome plated
 - 9 l per minute at 3 bar



COVER SCREENS FOR NOZZLES

FUNCTION DESCRIPTION

- Cover screens are available for the following nozzles:
- Fog, Tropical Rain, Drizzle, String, Splash, Wide Jet
 - Plastic white, black or chrome-plated





LED RGB SPOTS AND MOUNTING SLEEVES

FUNCTION DESCRIPTION

The spots have been especially developed for the use in Wellness areas. 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 surfaces:
- Spot LED-RGB 3x1 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

TECHNICAL DATA

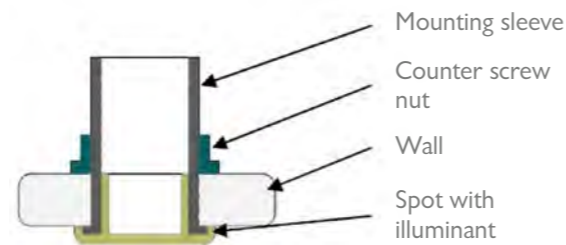
Control signal	350 mA constant current
Power supply	3 x 1 W
Light colors	Red - Green - Blue
Installation boring	42 mm
Weight	app. 0,25 kg
Installation depth	125 mm
Diameter of the cover	60 mm

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.



DRAWING OF THE SYSTEM WITH MOUNTING SLEEVE:



LED RGB CONTROLLER

FUNCTION DESCRIPTION

Controller for LED-RGB spots for Experience Showers with an operation current of 350 mA. The controller can realise 15 different light programmes in combination with the RGB spots for example: White (in stand-by), Red, Green, Blue, Red-Green color change, Blue-Green color change, Red-Green-Blue color change, Flashlights etc.

SCOPE OF DELIVERY

Light controller for 1 - 10 spots. The controller can realise six static colors and nine light programmes. The light controller is controlled by a four-digit code by the controller of the Experience Shower.

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





MP3 PLAYER

FUNCTION DESCRIPTION

The MP3 player is installed in a compact housing. It can be controlled and parametrised via RS485-Bus with the Mod-Bus protocol. Alternatively it is possible to start the soundfiles/playlists via digital inputs. In this case there is the possibility to choose the soundfile via an operation panel or via 4 inputs (binary code). This is for example used in the combination with experience showers. A HMI (graphical display with cursor buttons) is used for the parametrisation. The sound files can be read from a micro SD card or a USB stick. The audio signal can be transmitted via a LineIN/LineOUT-connection and emitted via a integrated 20W stereo amplifier. The following audio formats can be decoded: MP3, Ogg Vorbis, WMA, WAV PCM. The unit is prepared for the installation in a control box/housing on a cap rail.

SCOPE OF DELIVERY

Digital inputs:

- RS485 2-wire Bus with Mod-Bus protocol
- 2 x 4 digital input. BCD-format or push button panel

Audio interfaces:

- Stereo Line In and Line Out
- Stereo amplifier output and sub-woofer (Mode 2.1)

Mass storage connections:

- USB interface for the connection of a USB stick
- Micro SD card slot

Supply:

- 12V..15VAC
- or 12V..24VDC

ACCESSORIES / OPTIONS

To be ordered separately:

- Humidor loudspeaker
- Relay board NT34 for control via digital inputs
- Transformer for power supply



Available in spring 2017 - until then the product „MP3 Player for Experience Showers“ from website WDT will be used

TECHNICAL DATA

Electrical supply	12 – 24 VDC
Control	via RS485-Bus / Mod-Bus or digital inputs (binary code)
Power consumption	max. 10 W
Accepted formats	MP3, Ogg Vorbis, WMA, WAV PCM
Music output	20 W
Protection class	IP30 for water and dust
Measures	W 71 mm x H 90 mm x D 58 mm
Weight	app. 300 g

HUMIDOR LOUDSPEAKER

FUNCTION DESCRIPTION

Sea water resistant speaker 10 cm (4"). Broadband speaker with plastic membrane and plastic basket/-grill. Absolutely resistant against humidity and corrosion. Clear playback of high tones. Color: White. Incl. resonance bonnet.

Applications:

- Outdoor
- Humid rooms
- Boats, ships and open vehicles

Characteristics:

- sea water resistant
- useful for low temperatures according to EN 60068-2-1 (-40 °C; 96 h)
- Plastic: ASA (UL 94: HB; UV-resistant)

TECHNICAL DATA

Nominal power handling	20 W
Capacitance	30 W
Impedency	4 Ohm
Acoustic pressure	85 dB
Angle (-6 dB)	76°/4000 Hz
Protection class	IP 65
Temperature range	-40 ... 80 °C
Color	white
Weight	0,275 kg





CEILING ELEMENT PVC



FUNCTION DESCRIPTION

Canopy/ceiling element for Experience Shower made of PVC with all components integrated: Nozzles for water effects, loudspeaker for sound effects and LED RGB spots for the illumination of the shower.

SCOPE OF DELIVERY

The ceiling elements d 800 x 19 mm consist of the following components:

- PVC plate d 800 mm
- Illumination-set RGB 3 x 48, 3 spots LED 48 mm and RGB controller SAU
- Nozzle plates 2 x 1/2" - V2A - length 30 mm

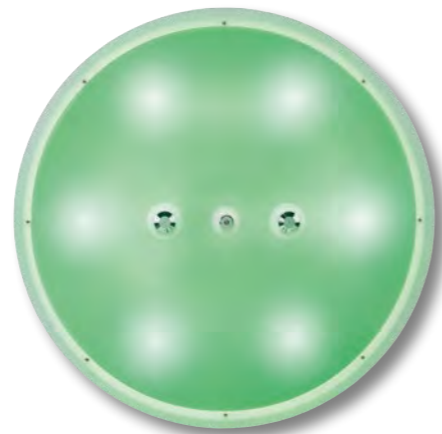
ACCESSORIES / OPTIONS

To be ordered separately:

- Nozzles for Experience Showers
- Loudspeaker
- Other dimensions and shapes on demand
- Fastening material

Part-No.	Number of connections for nozzles
21748	with 2 connections for 2 nozzles
21767	with 3 connections for 3 nozzles
21768	with 4 connections for 4 nozzles
21769	with 5 connections for 5 nozzles
21770	with 6 connections for 6 nozzles
21771	with 7 connections for 7 nozzles
22066	with 8 connections for 8 nozzles
21830	with 9 connections for 9 nozzles

CEILING ELEMENT WITH BACKLIGHTING



FUNCTION DESCRIPTION

All components that are necessary for an Experience Shower are integrated in the ceiling element. Nozzles for the water attractions and LED RGB striplight for the illumination of the shower. The advantage is that the illumination works indirectly and that the complete ceiling is illuminated. The light refraction is caused by a plexiglas plate.

SCOPE OF DELIVERY

The ceiling elements d 800 x 100 mm consists of the following components:

- Light bonnet Polystyrol d 760 x 100 mm
- Plexiglas 8 mm round d 800
- Illumination - Set RGB strip lights and RGB controller SAU Linelight
- Nozzle plates 2 x 1/2" - V2A - length 150 mm

ACCESSORIES / OPTIONS

To be ordered separately:

- Nozzles for Experience Showers
- Loudspeaker
- Other dimensions and shapes on demand
- Fastening material

Part-No.	Number of connections for nozzles
21117	with 2 connections for 2 nozzles
21118	with 3 connections for 3 nozzles
21119	with 4 connections for 4 nozzles
21120	with 5 connections for 5 nozzles
21121	with 6 connections for 6 nozzles
21122	with 7 connections for 7 nozzles

CEILING ELEMENT CHROME PLATED

FUNCTION DESCRIPTION

Chrome plated ceiling element for Experience Showers with all necessary components integrated: nozzles/head showers for the water effects and LED RGB spots for the illumination of the cabinet. Equipped for max. 4 attractions that are controlled from a control panel for Experience Showers.

SCOPE OF DELIVERY

The ceiling element consists of the following components:

- Ceiling element chrome plated
- Nozzles and head shower elements
- 4 (8) LED RGB Spots IP65 WDT
- RGB controller SAU Slave with 7 m cable to the 1st spot
- Supply hoses
- Fixation material

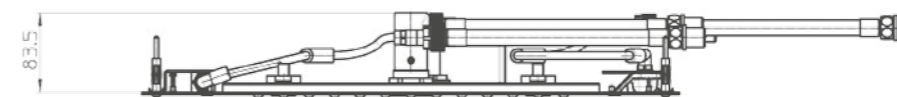
ACCESSORIES / OPTIONS

To be ordered separately:

- Control panel for Experience Showers
- Push button
- Loudspeaker and sound module

TECHNICAL DATA

Measures	570 mm x 470 mm
Water connection	2 or 4 x 1/2" (according to version)
Flow rates of the single attraction at app. 3 bar:	
Rain Shower	app. 30 l/min
Mist	app. 10 l/min
Waterfall full blade	app. 20 l/min
Waterfall part blade	app. 19 l/min
Weight	app. 12 kg



POSSIBLE CONFIGURATIONS

Art. Nr. 24980:

Rain Shower, Mist (8 RGB Spots)



Art. Nr. 24652:

Rain Shower, Waterfall full blade (4 RGB Spots)



Art. Nr. 24651:

Rain Shower, Waterfall full blade, Waterfall part blade, Mist (4 RGB Spots)



Ceiling elements of Corian® and stainless steel on request



PACKAGE: FOG SHOWER WITHOUT CEILING ELEMENT

PACKAGE: FOG SHOWER WITH CEILING ELEMENT

FUNCTION DESCRIPTION FOR BOTH PACKAGES

After the start of the programme by a button the light in the shower changes from white to a blue-green color change. Cold, refreshing fog with very fine droplets starts to spray and minty, cooling aroma fills the air. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the fog and the sound are switching off. The endurance of the programme and the aroma intensity can be adjusted individually at the controller. As an option the tubing to the nozzles can be emptied automatically after the programme.



SCOPE OF DELIVERY

A complete package for a Fog Shower without ceiling element (Nozzles and LED separately to be built in into the ceiling on site) consists of the following components:

Control panel

- 1 x Control Panel "Fog Shower" - Part no. 13428

Push button plate

- 1 x Push button plate 1-fold - Part no. 19011
- 1 x Bonnet 1-fold - Part no. 21030-1
- 1 x Name plate "Cool Fog" - Part no. 175344

Nozzles

- 2 x Fog Nozzle 1/2" - Part no. 13526
- 2 x Cover Screen for Fog Nozzle - Part no. 13877

Illumination

- 3 x LED RGB Spot 3 x 1 W IP65 - Part no. 21625
- 3 x Mounting sleeve LED Lampe WDT 3 x 1 W - Part no. 20973
- 1 x Controller SAU RGB für 1 - 10 LED Slave - Part no. 21305-1
- 2 x Extension cable (Length to be specified)

Sound

- 1 x Sound module MP3 - Part no. 18824
- 1 x Speaker - Part no. 14366-4

SCOPE OF DELIVERY

A complete package for a Fog Shower with ceiling element consists of the following components:

Control panel

- 1 x Control Panel „Fog Shower“ - Part no. 13428

Push button plate

- 1 x Push button plate 1-fold - Part no. 19011
- 1 x Bonnet 1-fold - Part no. 21030-1
- 1 x Name plate „Cool Fog“ - Part no. 17534

Ceiling element incl. illumination

- 1 x Ceiling element PVC white d 800 x 19 mm with 3 LED RGB Spots d 48 incl. controller SAU and 7 m cable with 2 connections for 2 nozzles - Part no. 21748

Nozzles

- 2 x Fog Nozzle 1/2" - Part no. 13526
- 2 x Cover Screen for Fog Nozzle - Part no. 13877

Sound

- 1 x Sound module MP3 - Part no. 18824
- 1 x Speaker - Part no. 14366-4

PACKAGE: NIAGARA RAIN SED1-3K WITHOUT CEILING ELEMENT

PACKAGE: NIAGARA RAIN SED1-3K WITH CEILING ELEMENT

FUNCTION DESCRIPTION FOR BOTH PACKAGES

Programme 1: Tropical Rain After the start of the programme by a button the light in the shower changes from white to red. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the rain and the sound are switching off.

Programme 2: Fog Shower After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing fog with very fine droplets starts to spray. You hear the sound of an alpine creek. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.

Programme 3: Side Nozzles After the start of the programme by a button the light in the shower changes from white to green. Warm Side Nozzles are massaging the guest in the shower. You hear birds tweeting. After the end of the programme the illumination changes back to white, the nozzles and the sound are switching off.

Programme 4: Niagara Rain The programme starts with warm Side Nozzles and green light. You hear birds tweeting. In the following the warm Tropical Rain with big, smooth drops increases the water volume and works together with the Side Nozzles. You hear a thunderstorm coming and you see flashlights. In the final programme step the thunderstorm is finishing. The Tropical Rain stops and the Cold Fog is spraying together with the warm Side Nozzles. The illumination in the shower changes to a blue-green color change and you hear birds tweeting again. After the end of the programme the illumination changes back to white, the fog, the side nozzles and the sound are switching off.



Optionally you can use Drizzle- instead of Side Nozzles for programme 3 and 4.

SCOPE OF DELIVERY

A complete package for a Fog Shower without ceiling element (Nozzles and LED separately to be built in into the ceiling on site) consists of the following components:

Control panel

- 1 x Control Panel „Niagara Rain“ - Part no. 14104

Push button plate

- 1 x Push button plate 4-fold - Part no. 19014
- 1 x Bonnet 4-fold - Part no. 21032-1
- 1 x Name plate „Tropical Rain“ - Part no. 17528
- 1 x Name plate „Cool Fog“ - Part no. 17534
- 1 x Name plate „Side Nozzles“ - Part no. 18986
- 1 x Name plate „Caribbean Storm“ - Part no. 17527

Nozzles

- 2 x Rain Nozzle 1/2" - Part no. 13528
- 2 x Cover Screen for Rain Nozzle - Part no. 13879
- 2 x Fog Nozzle 1/2" - Part no. 13526
- 2 x Cover Screen for Fog Nozzle - Part no. 13877
- 6 x Side Nozzle - Part no. 19769

Illumination

- 3 x LED RGB Spot 3 x 1 W IP65 - Part no. 21625
- 3 x Mounting sleeve LED Lampe WDT 3 x 1W - Part no. 20973
- 1 x Controller SAU RGB for 1-10 LED Slave - Part no. 21305-1
- 2 x Extension cable (Length to be specified)

Sound

- 1 x Sound module MP3 - Part no. 18824
- 1 x Speaker - Part no. 14366-4

SCOPE OF DELIVERY

A complete package for a Niagara Rain with ceiling element consists of the following components:

Control panel

- 1 x Control Panel „Niagara Rain“ - Part no. 14104

Push button plate

- 1 x Push button plate 4-fold - Part no. 19014
- 1 x Bonnet 4-fold - Part no. 21032-1
- 1 x Name plate „Tropical Rain“ - Part no. 17528
- 1 x Name plate „Cool Fog“ - Part no. 17534
- 1 x Name plate „Side Nozzles“ - Part no. 18986
- 1 x Name plate „Caribbean Storm“ - Part no. 17527

Ceiling element incl. illumination

- 1 x ceiling element PVC white d 800 x 19 mm with 3 LED RGB Spots d48 incl. controller SAU and 7 m cable with 4 connections for 4 nozzles - Part no. 21768

Nozzles

- 2 x Rain Nozzle 1/2" - Part no. 13528
- 2 x Cover Screen for Rain Nozzle - Part no. 13879
- 2 x Fog Nozzle 1/2" - Part no. 13526
- 2 x Cover Screen for Fog Nozzle - Part no. 13877
- 6 x Side Nozzle - Part no. 19769

Sound

- 1 x Sound module MP3 - Part no. 18824
- 1 x Speaker - Part no. 14366-4





PACKAGE: TROPICA SED6 WITH CEILING ELEMENT

FUNCTION DESCRIPTION

Programme 1: Tropical Rain with aroma

After the start of the programme by a button the light in the shower changes from white to red. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower. A fruity, lively aroma fills the air. You hear birds tweeting. After the end of the programme the illumination changes back to white, the Tropical Rain with aroma and the sound are switching off.

Programme 2: Fog Shower

After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing fog with very fine droplets starts to spray. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.

Programme 3: Tropica

The programme starts with the Cold Fog Shower and blue light. In a distance you hear the sound of waves and sea. In the following the warm Tropical Rain with big, smooth drops increases the water volume and works together with Fog. Fruity, lively aroma fills the air. The illumination in the shower changes to a red-green color change. The programme lapses with the Cold Fog and blue light. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.



SCOPE OF DELIVERY

A complete package for a Tropica with ceiling element consists of the following components:

Control panel

- 1 x Control Panel „Tropica“ - Part no. 14245

Push button plate

- 1 x Push button plate 3-fold - Part no. 19013
- 1 x Bonnet 3-fold - Part no. 21031-1
- 1 x Name plate „Tropical Rain“ - Part no. 17528
- 1 x Name plate „Cool Fog“ - Part no. 17534
- 1 x Name plate „Southern Storm“ - Part no. 18763

Ceiling element incl. illumination

- 1 x ceiling element PVC white d 800 x 19 mm with 3 LED RGB Spots d 48 incl. controller SAU and 7 m cable with 4 connections for 4 nozzles - Part no. 21768

Nozzles

- 2 x Rain Nozzle ½“ - Part no. 13528
- 2 x Cover Screen for Rain Nozzle - Part no. 13879
- 2 x Fog Nozzle ½“ - Part no. 13526
- 2 x Cover Screen for Fog Nozzle - Part no. 13877

Sound

- 1 x Sound module MP3 - Part no. 18824
- 1 x Speaker - Part no. 14366-4

PACKAGE: CARIBBEAN STORM SED2 WITH CEILING ELEMENT

FUNCTION DESCRIPTION

Programme 1: Tropical Rain with aroma

After the start of the programme by a button the light in the shower changes from white to red. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower. A fruity, lively aroma fills the air. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the Tropical Rain with aroma and the sound are switching off.

Programme 2: Fog Shower

After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing fog with very fine droplets starts to spray. You hear the sound of an alpine creek. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.

Programme 3: Side Nozzles

After the start of the programme by a button the light in the shower changes from white to green. Warm Side Nozzles are massaging the guest in the shower. You hear birds tweeting. After the end of the programme the illumination changes back to white, the nozzles and the sound are switching off.

Programme 4: Caribbean Storm

The programme starts with warm Side Nozzles and green light. You hear birds tweeting. In the following the warm Tropical Rain with big, smooth drops increases the water volume and works together with the Side Nozzles. A fruity, lively aroma fills the air. You hear a thunderstorm coming and you see flashlights. In the final programme step the thunderstorm is finishing. The Tropical Rain stops and the Cold Fog is spraying together with the warm Side Nozzles. The illumination in the shower changes to a blue-green color change and you hear birds tweeting again. After the end of the programme the illumination changes back to white, the fog, the side nozzles and the sound are switching off.

Optionally you can use Drizzle- instead of Side Nozzles for programme 3 and 4.



SCOPE OF DELIVERY

A complete package for a Caribbean Storm with ceiling element consists of the following components:

Control panel

- 1 x Control Panel „Caribbean Storm“ - Part no. 14105

Push button plate

- 1 x Push button plate 4-fold - Part no. 19014
- 1 x Bonnet 4-fold - Part no. 21032-1
- 1 x Name plate „Tropical Rain“ - Part no. 17528
- 1 x Name plate „Cool Fog“ - Part no. 17534
- 1 x Name plate „Side Nozzles“ - Part no. 18986
- 1 x Name plate „Caribbean Storm“ - Part no. 17527

Ceiling element incl. illumination

- 1 x ceiling element PVC white d 800 x 19 mm with 3 LED RGB Spots d 48 incl. controller SAU and 7 m cable with 4 connections for 4 nozzles - Part no. 21768

Nozzles

- 2 x Rain Nozzle ½“ - Part no. 13528
- 2 x Cover Screen for Rain Nozzle - Part no. 13879
- 2 x Fog Nozzle ½“ - Part no. 13526
- 2 x Cover Screen for Fog Nozzle - Part no. 13877
- 6 x Side Nozzle - Part no. 19769

Sound

- 1 x Sound module MP3 - Part no. 18824
- 1 x Speaker - Part no. 14366-4





PACKAGE: CARIBBEAN STORM SED2 WITH CHROMED CEILING ELEMENT

FUNCTION DESCRIPTION

Programme 1: Tropical Rain with aroma

After the start of the programme by a button the light in the shower changes from white to red. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower. A fruity, lively aroma fills the air. You hear birds tweeting. After the end of the programme the illumination changes back to white, the Tropical Rain with aroma and the sound are switching off.

Programme 2: Fog Shower

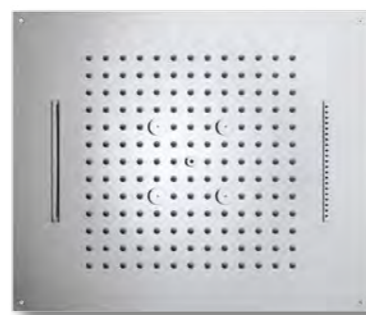
After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing fog with very fine droplets starts to spray. In a distance you hear the sound of waves and sea. After the end of the programme the illumination changes back to white, the fog and the sound are switching off.

Programme 3: Waterfall

After the start of the programme by a button the light in the shower changes from white to green. Two warm waterfalls are massaging the guest in the shower. You hear the sound of an alpine creek. After the end of the programme the illumination changes back to white, the nozzles and the sound are switching off.

Programme 4: Caribbean Storm

The programme starts with the warm waterfalls and green light. You hear the sound of an alpine creek. In the following the warm Tropical Rain with big, smooth drops increases the water volume and works together with the waterfalls. Fruity, lively aroma fills the air. You hear a thunderstorm coming and you see flashlights. In the final programme step the thunderstorm is finishing. The Tropical Rain stops and the Cold Fog is spraying together with the warm waterfalls. The illumination in the shower changes to a blue-green color change and you hear the alpine creek again. After the end of the programme the illumination changes back to white, the fog, the waterfalls and the sound are switching off.



SCOPE OF DELIVERY

A complete package for a Caribbean Storm with ceiling element consists of the following components:

Control panel

- 1 x Control Panel "Caribbean Storm" - Part no. 14105

Push button plate

- 1 x Push button plate 4-fold - Part no. 19014
- 1 x Bonnet 4 fold - Part no. 21032-1
- 1 x Name plate "Tropical Rain" - Part no. 17528
- 1 x Name plate "Cool Fog" - Part no. 17534
- 1 x Name plate "Side Nozzles" - Part no. 18986
- 1 x Name plate "Caribbean Storm" - Part no. 17527

Ceiling element incl. illumination

- 1 x Chrome plated ceiling element (Rain Shower, Waterfall full blade, Waterfall part blade, Mist / 4 LED RGB Spots) - Part no. 24651

Sound

- 1 x Sound module MP3 - Part no. 18824
- 1 x Speaker - Part no. 14366-4

PACKAGE: ATLANTIC OCEAN RA1 WITH CEILING ELEMENT

FUNCTION DESCRIPTION

Programme 1: Fog Shower

After the start of the programme by a button the light in the shower changes from white to blue. A cold, refreshing fog with very fine droplets starts to spray. In a distance you hear the roll of thunder. After the end of the programme the illumination changes back to white, the Fog and the sound are switching off.

Programme 2: Caribbean Storm

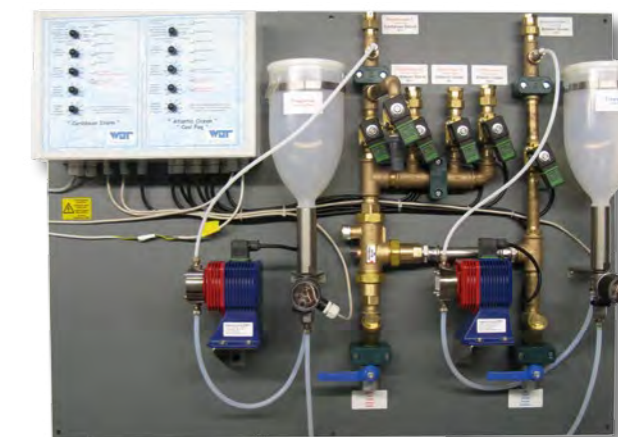
After the start of the programme by a button a warm String Rain starts to spray. The illumination in the shower changes to a red-green color change. Birds are tweeting. After an adjustable time a warm Tropical Rain with big, smooth drops increases the water volume. A fruity, lively aroma fills the air. Then the rain gets weaker again and the programme lapses with the warm String Rain. After the end of the programme the illumination changes back to white, the String Rain and the sound are switching off. The tubing is emptied automatically.

Programme 3: Atlantic Ocean

The programme starts with a warm Drizzle Rain. The illumination in the shower changes to a red-green-blue color change. You can hear a storm. After an adjustable time an additional Fog cools the temperature down. A minty, refreshing aroma fills the air. In the last step of the programme the cold Fog is replaced by a warm Tropical Rain.

Programme 4: Tropical Rain

After the start of the programme by a button the light in the shower changes from white to red. A warm Tropical Rain with big, smooth drops patters onto the guest in the shower. A fruity, lively aroma fills the air. You hear birds tweeting. After the end of the programme the illumination changes back to white, the Tropical Rain with aroma and the sound are switching off.



SCOPE OF DELIVERY

Control panel

- 1 x Control Panel "Atlantic Ocean" - Part no. 16639

Push button plate

- 1 x Push button plate 4-fold - Part no. 19014
- 1 x Bonnet 4-fold - Part no. 21032-1
- 1 x Name plate "Tropical Rain" - Part no. 17528
- 1 x Name plate "Cool Fog" - Part no. 17534
- 1 x Name plate "Atlantic Ocean" - Part no. 1818596
- 1 x Name plate "Caribbean Storm" - Part no. 17527

Ceiling element incl. illumination

- 1 x ceiling element PVC white d 800 x 19 mm with 3 LED RGB Spots d 48 incl. controller SAU and 7 m cable with 7 connections for 7 nozzles - Part no. 21771

Nozzles

- 1 x Rain Nozzle 1/2" - Part no. 13528
- 1 x Cover Screen for Rain Nozzle - Part no. 13879
- 1 x Fog Nozzle 1/2" - Part no. 13526
- 1 x Cover Screen for Fog Nozzle - Part no. 13877
- 2 x Drizzle Nozzle - Part no. 13527
- 2 x Cover Screen for Drizzle Nozzle - Part no. 13878
- 3 x String Nozzle - Part no. 16593
- 3 x Cover Screen for String Nozzle - Part no. 13879

Sound

- 1 x Sound module MP3 - Part no. 18824
- 1 x Speaker - Part no. 14366-4





PACKAGE: TROPICAL THUNDER RA2 WITHOUT CEILING ELEMENT

FUNCTION DESCRIPTION

Programme 1: Tropical Rain

After the start of the programme by a button the light in the shower changes from white to red and a soft, warm Drizzle Rain patters onto the guest in the shower. You hear birds tweeting. In the following a warm String Rain is added. A fruity, lively aroma fills the air. The light changes to yellow. Now a cold Drizzle Rain cools the temperature down. An automatical yellow-green color change starts. Then the cold Drizzle stops and the programme finishes with the warm Drizzle the aromatized String Rain and an automatical red-green color change. After the end of the programme the illumination changes back to white, the warm Drizzle and the aromatized String Rain are switching off.

Programme 2: Tropical Storm

The programme starts with a warm Drizzle and red light. In a distance you hear the sound of waves and sea. After an adjustable time the light changes to green and a cold, refreshing fog with very fine droplets is added. A minty, cooling aroma fills the air. In the following the warm Drizzle stops and the cold Fog continues. Now a warm Tropical Rain with blue light is added and then goes in the following over into a warm Drizzle. Then cold and warm Drizzle are alternating additionally to the cold Fog. You hear a thunderstorm coming and you see flashlights. The thunderstorm finishes in the last step of the programme. The illumination changes to red and the programme lapses with a warm Drizzle. After the end of the programme the illumination changes back to white, the warm Drizzle is switched off.



SCOPE OF DELIVERY

Control panel

- 1 x Control Panel "Tropical Thunderstorm" - Part no. 19290

Push button plate

- 1 x Push button plate 2-fold - Part no. 19012
- 1 x Bonnet 2-fold - Part no. 21034-1
- 1 x Name plate "Tropical Rain" - Part no. 17528
- 1 x Name plate "Atlantic Ocean" - Part no. 1818596

Nozzles

- 1 x Rain Nozzle 1/2" - Part no. 13528
- 1 x Cover Screen for Rain Nozzle - Part no. 13879
- 2 x Fog Nozzle 1/2" - Part no. 13526
- 2 x Cover Screen for Fog Nozzle - Part no. 13877
- 5 x Drizzle Nozzle - Part no. 13527
- 5 x Cover Screen for Drizzle Nozzle - Part no. 13878
- 3 x String Nozzle - Part no. 16593
- 3 x Cover Screen for String Nozzle - Part no. 13879

Illumination

- 3 x LED RGB Spot 3 x 1 W IP65 - Part no. 21625
- 3 x Mounting sleeve LED Lampe WDT 3 x 1 W - Part no. 20973
- 1 x Controller SAU RGB für 1 - 10 LED Slave - Part no. 21305-1
- 2 x Extension cable (Length to be specified)

Sound

- 1 x Sound module MP3 - Part no. 18824
- 1 x Speaker - Part no. 14366-4

PACKAGE: TROPICAL THUNDER RA2 WITH CEILING ELEMENT

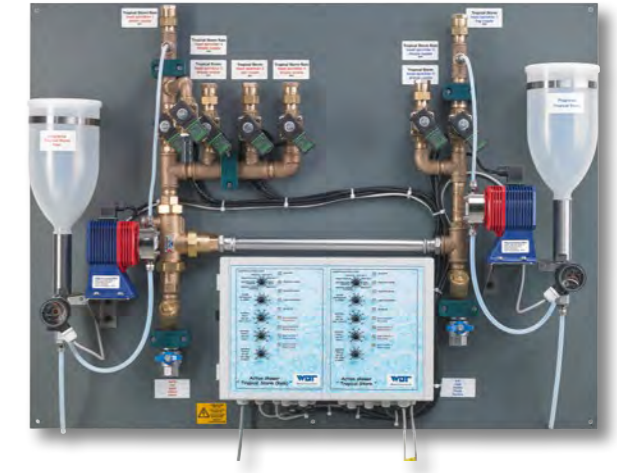
FUNCTION DESCRIPTION

Programme 1: Tropical Rain

After the start of the programme by a button the light in the shower changes from white to red and a soft, warm Drizzle Rain patters onto the guest in the shower. You hear birds tweeting. In the following a warm String Rain is added. A fruity, lively aroma fills the air. The light changes to yellow. Now a cold Drizzle Rain cools the temperature down. An automatical yellow-green color change starts. Then the cold Drizzle stops and the programme finishes with the warm Drizzle the aromatized String Rain and an automatical red-green color change. After the end of the programme the illumination changes back to white, the warm Drizzle and the aromatized String Rain are switching off.

Programme 2: Tropical Storm

The programme starts with a warm Drizzle and red light. In a distance you hear the sound of waves and sea. After an adjustable time the light changes to green and a cold, refreshing fog with very fine droplets is added. A minty, cooling aroma fills the air. In the following the warm Drizzle stops and the cold Fog continues. Now a warm Tropical Rain with blue light is added and then goes in the following over into a warm Drizzle. Then cold and warm Drizzle are alternating additionally to the cold Fog. You hear a thunderstorm coming and you see flashlights. The thunderstorm finishes in the last step of the programme. The illumination changes to red and the programme lapses with a warm Drizzle. After the end of the programme the illumination changes back to white, the warm Drizzle is switched off.



SCOPE OF DELIVERY

Control panel

- 1 x Control Panel "Tropical Thunderstorm" - Part no. 19290

Push button plate

- 1 x Push button plate 2-fold - Part no. 19012
- 1 x Bonnet 2-fold - Part no. 21034-1
- 1 x Name plate "Tropical Rain" - Part no. 17528
- 1 x Name plate "Atlantic Ocean" - Part no. 1818596

Ceiling element incl. illumination

- 1 x ceiling element PVC white d 800 x 19 mm with 3 LED RGB Spots d 48 incl. controller SAU and 7 m cable with 11 connections for 11 nozzles - Part no. 21772

Nozzles

- 1 x Rain Nozzle 1/2" - Part no. 13528
- 1 x Cover Screen for Rain Nozzle - Part no. 13879
- 2 x Fog Nozzle 1/2" - Part no. 13526
- 2 x Cover Screen for Fog Nozzle - Part no. 13877
- 5 x Drizzle Nozzle - Part no. 13527
- 5 x Cover Screen for Drizzle Nozzle - Part no. 13878
- 3 x String Nozzle - Part no. 16593
- 3 x Cover Screen for String Nozzle - Part no. 13879

Sound

- 1 x Sound module MP3 - Part no. 18824
- 1 x Speaker - Part no. 14366-4





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

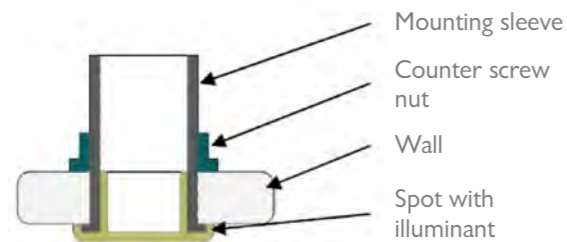
FUNCTION DESCRIPTION

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

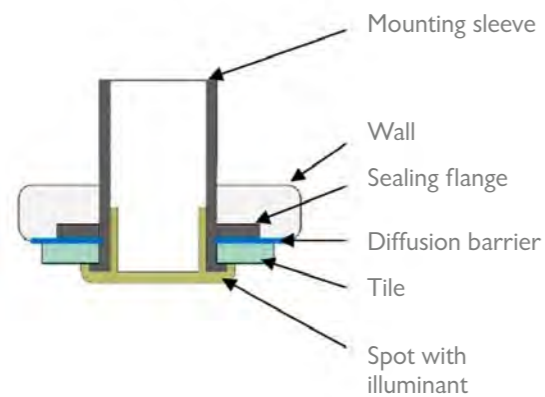
System for pre-coated, GFK or Aluminum surface:

- 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

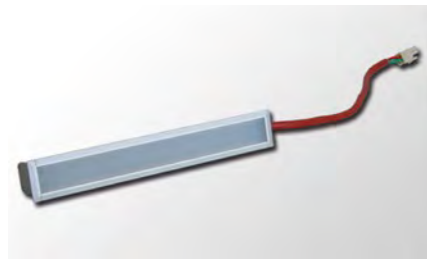
LED-RGB linelights with an operating voltage of 12 V/DC. Ideal for indirect illumination and illumination under the benches of steam rooms. Available with frame (for the installation in visible areas) and aluminum profile (for indirect illumination). Linelights are produced and tested according to order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

SCOPE OF DELIVERY

The linelights are available in 2 versions:

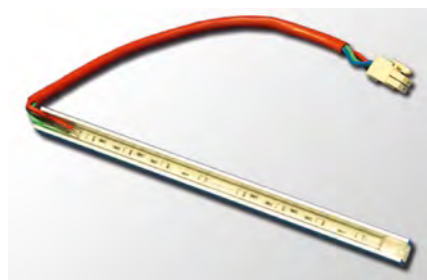
LED-RGB Linelight frame IP 64

- 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

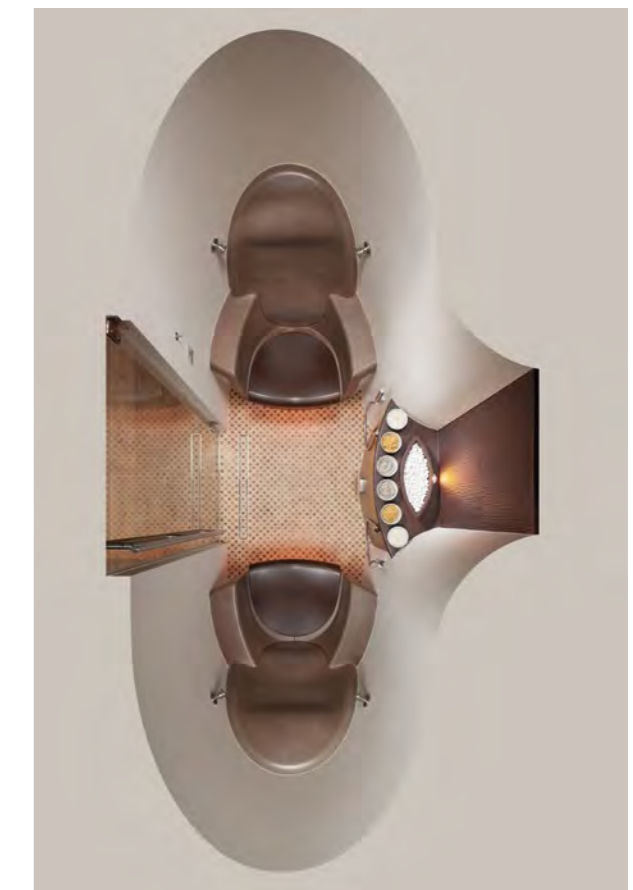
TO BE PROVIDED BY THE BUILDER

- 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 cabel

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





Technique for Saunas

Only an aromatic sauna splash creates a perfect sauna experience!

Our automatic water and aroma splash system for sauna heaters is an important product of our portfolio. An automatic sauna splash helps to increase the efficiency and safety of the operation of a sauna in which the splash is offered. The splash procedure takes place reliably in defined time intervals and with a specified intensity. Due to this fact, an over-dosing of fragrance is avoided. Furthermore, the water quantity of the splash can be easily adapted to the capacity of the sauna heater. This helps to prevent unpleasant water puddles below the heater and unnecessary wear on the sauna stove.

Our LED illumination systems that are designed and produced especially for saunas round off the package with the special lighting effect your customers won't forget. A glass rod decouples the LED illuminant from the hot sauna temperatures. This system allows the use of up-to-date LED techniques in saunas.

Page:

99 Automatic sauna splash SAUNA-PLUS 8

103 LED RGB illumination



SAUNA-PLUS 8

FUNCTION DESCRIPTION

Dosing system for an automatic sauna-splash with fragrance and water. The system is available with one up to four aroma pumps. The sauna-splash-systems has 3 operation modes: cyclic-, clock timer- and push-button operation. The operation and splash times can be saved individually in the integrated week-program. Operation and visualisation via 3.2" full color Touch-Display. In addition to the standard settings like water-, aroma quantity and splash time the system offers many additional adjustable parameters. Different aromas can be assigned to single splashes in individual quantities for example. Furthermore a splash pre-indication can be connected or the splash can be combined with light and sound effects. Another feature is to send a signal from the system to the heater to activate the pre-heating before the splash. The controller includes several password protected authorisation levels. Each level allows different settings.

SCOPE OF DELIVERY

- Controller with 3.2" Touch installed in housing
- Peristaltic pump SA for fragrance concentrate
- Mounting board with console for max. 5 l fragrance canister
- Supply with ball valve 1/2" female thread and pre-filter
- Tube aerator according to EN1717
- Solenoid valve VA 1/4
- Pressure monitoring
- Dosing tube with dosing valve 3/8" stainless steel
- Outlet 3/8" female thread
- Splash sprinkler 3/8" female thread
- Design cover

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	max. 50 W
Water supply	1/2" IG
Water outlet	3/8" IG
Water quantity	app. 2,5 l/min
Measures	W 47 cm x H 71 cm x D 24 cm
Weight	app. 15 kg
Temperature range	+10°C bis +35°C
Protection class	IP44



TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of the control panel
- Power socket 230 V
- Water connection cold 1/2"
- Needed pressure: 2 bar dynamic
- Water quantity: 2,5 l/min
- 3/8" tubing to the sprinkler
- Drain in the plants room

The unit has to be installed on a higher level than the sprinkler. If this is not possible or if the tubing tends upwards, a non-return valve EN1717 has to be installed in the supply!

ACCESSORIES / OPTIONS

To be ordered separately:

- Grommet part-no. 15214 (Photo shows sprinkler and grommet)



- Splash sprinkler available in special length and shapes
- Effect illumination
- MP3-Player +loudspeaker
- Push button plate
- Sauna splash connection set consisting of:
 - 10 meter PTFE dosing tube
 - tube adapter Sauna Plus 3/8" x 6 x 1
 - tube adapter splash nozzle 3/8" x 6 x 1
 - 3/8" angle female/male thread





LED RGB SPOTS AND MOUNTING SLEEVES

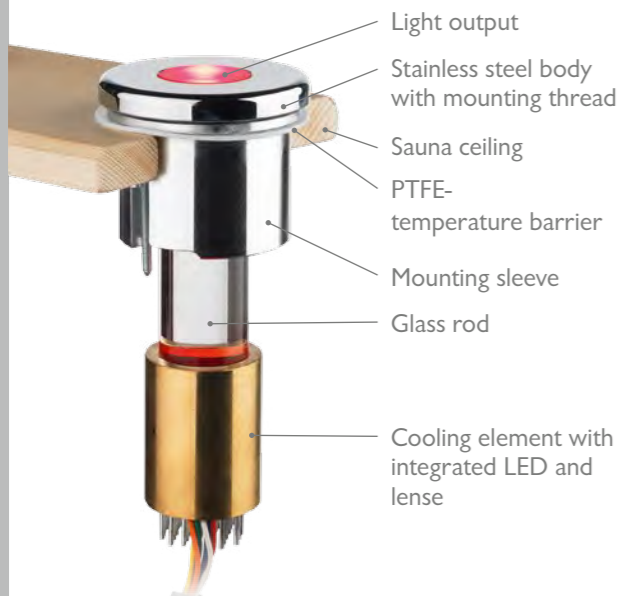
FUNCTION DESCRIPTION

The spots have been especially developed for the use in saunas. 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

- Spot LED-RGB 3 x 1 Watt multicolor IP65 stainless steel chrome plated or alu coated (color on demand)
- Lense and glass rod (optical fiber)
- Installation boring 50 mm
- Cover 60 mm outer diameter
- Mounting sleeve Alu D 50 x 40 mm with crawls
- Incl. connection cable 20 cm JST
- PTFE temperature barrier
- Cooling element

ASSEMBLY:



TECHNICAL DATA

Control signal	350 mA constant current
Power supply	3 x 1 W
Light colors	Red - Green - Blue
Installation boring	50 mm
Weight	app. 0.45 kg
Installation depth	150 mm
Diameter of the cover	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. Useful for temperatures up to 60°C. Ideal for illumination under the benches of the Sauna. Available with frame (for the installation in visible areas) and aluminum profile (for indirect illumination). Line-lights are produced and tested according to order in the desired length.

SCOPE OF DELIVERY

The linelights are available in 2 versions:

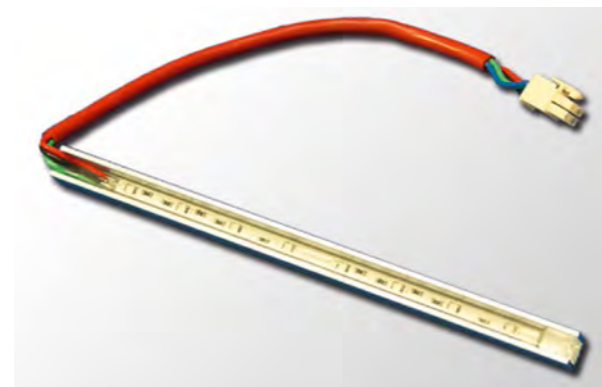
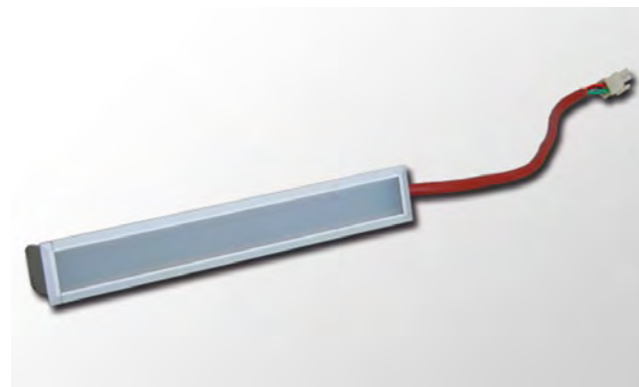
LED-RGB Linelight frame IP 65

- Equipped with SMD-RGB LEDs
- Aluminum 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. connecting cable and plug
- Available lengths from 119 mm up to 3000 mm



LED-RGB Linelight Aluprofile IP 65

- Equipped with SMD-RGB LEDs
- Aluminum 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. connecting 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/0,8A
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 line-lights: 1 x output 12 V/DC respectively 24 V/DC for linelights/ 1 x output 350 mA for spotlights





Nebulisation of brine solution

The positive influence of brine and salt for human beings is undisputed in general as well as in medical science. It has a healing effect in case of skin and respiratory diseases. Mankind has used the mineral (mainly dissolved as brine solution) since thousands of years as a cure.

Our systems for the nebulisation of brine solution are mainly used in wellness applications to create a salty sea climate in steam rooms, infrared cabins, salt grottos etc. In the context of a brine therapy the usage of such applications can be a supporting element.

As the nebulised brine solution is breathed in as an aerosol it is imperatively necessary, that the used system is hygienically unobjectionable and that bacterial impact will be prevented. For this reason the brine solution of WDT is sterilised with hydrogen peroxide and packed air-tight. Furthermore a disinfection programme to keep the system absolutely clean is included.

Besides the high hygienical standards our systems are characterised by an easy installation and operation.

Page:

105 For steam rooms

106 For dry rooms

SOLDOS-V3

FUNCTION DESCRIPTION

Nebulisation of brine solution to create a salty sea climate for steam rooms. The SOLDOS is spraying fine nebulised, sterile brine solution into steam rooms. After a short time you get a salty sea climate in the room. The dosing capacity is sufficient for rooms with a floor space of app. 25 m². The brine solution is primed out of an air sealed bag (Politainer). This bag interfolds when the liquid brine solution is taken out. This procedure prevents the contamination of the solution with germs of the ambient air. Then it is pressed through a very fine nozzle by a high-pressure solenoid diaphragm pump and nebulised. Furthermore a disinfection system is integrated. Operation via 3,2" full color Touch display with a multitude of new possibilities:

- Operation modes: cyclic operation, push button operation or operation via external control
- Week-program for the definition of the individual operation times per day
- Combination of the salt spray with light and sound effects
- Pressure monitoring for filling level brine and blockage of the nozzle
- Day counter for the indication of a possible necessary disinfection and visual description of this procedure
- Definition of several authorisation levels. Each level allows different settings

SCOPE OF DELIVERY

- Controller with 3,2" Touch installed in housing
- Motor diaphragm pump, low noise
- Mounting board with console for brine bag
- Nozzle stainless steel V4A with cover screen PE
- Mounting sleeve and 5 m dosing tube PTFE
- Disinfection set with disinfection tablet, mixing bottle and recipient
- 5 kg (optionally 1 kg) sterile brine solution in Politainer
- Design cover

TECHNICAL DATA

Area of application	Steam rooms
Electrical supply	230 V/AC 50 Hz
Power supply	350 W
Measures	W 47 cm x H 71 cm x D 24 cm
Empty weight / operational weight	app. 15 kg / 20 kg
Temperature range	+10°C bis +35°C
Protection class	IP44
Nebulisation performance brine	app. 100 ml/min



TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of system
- Power socket 230 V

POINTS TO BE CONSIDERED BEFORE THE INSTALLATION:

- Before the installation of a SOLDOS all materials have to be checked on their corrosion resistance against the saline mixture of water and air both in the adequate steam cabinet and additionally in the ventilation pipework.
- The SOLDOS is not licensed for medical purpose.
- Use only pure, disinfected WDT brine solution with a salt concentration of app. 5%. WDT brine solution is delivered in a sterile condition in a closed bag. Outstanding brine solution is affected by bacterial impact and so should not be used.
- In order to prevent drainage of the Politainer, the nozzle has to be installed on a higher level than the SOLDOS. If this is not possible a spring loaded non-return valve has to be installed in the dosing tube.
- The SOLDOS-V3 is not useful for dry rooms (Tepidarium etc.). For this purpose we recommend to use the SOLDOS-SL or SOLFOG.

ACCESSORIES / OPTIONS

- Push button plate with bonnet for flush mounting
- 2nd pump and nozzle for cabinets with a bigger surface square of 25 m²
- Illumination
- MP3 player and speakers
- Nozzle cover screen in stainless steel





SOLDOS SL-V3

FUNCTION DESCRIPTION

Nebulisation of brine solution to create a salty sea climate for dry rooms. The Soldos-SL is spraying a very fine nebulised, sterile brine solution into dry rooms. After a short time you get a salty sea climate in the room. The dosing capacity is sufficient for rooms with a floor space of app. 35 m². The brine solution is primed out of an air sealed bag (Politainer) by a peristaltic pump and conveyed to a two-component jet nozzle where it is nebulised very fine by adding compressed air. This brine mist is then sprayed into the room. The Politainer interlocks when the liquid brine solution is taken out. This procedure prevents the contamination of the solution with germs of the ambient air. Furthermore a disinfection system is integrated. Operation via 3,2" full color Touch display with a multitude of new possibilities:

- Operation modes: cyclic operation, push button operation or operation via external control
- Week-program for the definition of the individual operation times per day
- Combination of the salt spray with light and sound effects
- Empty switch for a switch-off of the system when brine will get empty
- Day counter for the indication of a possible necessary disinfection and visual description of this procedure
- Definition of several authorisation levels. Each level allows different settings

SCOPE OF DELIVERY

- Controller with 3,2" Touch installed in housing
- Peristaltic pump SA with rpm control for the adjustment of the dosing quantity / salt concentration
- Water separator
- Mounting board with console for brine bag
- Solenoid piston compressor (to be placed on the floor)
- Two-component jet nozzle stainless steel V4A with cover screen, mounting sleeve, 5 m air tube PE and 5 m brine tube PTFE
- Disinfection set with disinfection tab, mixing bottle and recipient
- 5 kg (optionally 1 kg) sterile brine solution in brine bag
- Design cover

Nozzle with mounting sleeve



Compressor



TECHNICAL DATA

Area of application	Tepidariums, saunas, salt rooms
Electrical supply	230 V/AC 50 Hz
Power supply	455 W
Measures dosing system	W 47 cm x H 71 cm x D 24 cm
Measures compressor	W 24 cm x H 25 cm x D 16 cm
Empty weight / operational weight	app. 20 kg / 25 kg
Sound emission in the plants room	80 dBA
Sound emission in one meter distance to the nozzle	70 dBA
Temperature range	+10°C bis +35°C
Protection class	IP44
Nebulisation performance brine	app. 0,32l brine/h at 40 s dosing time and 5 min pause time

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of system
- Power socket 230 V

POINTS TO BE CONSIDERED BEFORE THE INSTALLATION:

- Before the installation of a SOLDOS all materials have to be checked on their corrosion resistance against the saline mixture of water and air both in the adequate room and additionally in the ventilation pipework.
- The SOLDOS is not licensed for medical purpose.
- Use only pure, disinfected WDT brine solution with a salt concentration of app. 5%. WDT brine solution is delivered in a sterile condition in a closed bag. Outstanding brine solution is affected by bacterial impact and so should not be used.

ACCESSORIES / OPTIONS

- Push button plate with bonnet for flush mounting
- 2nd pump and nozzle for cabinets with a bigger surface square of 35 m²
- Illumination
- MP3 player and speakers
- Nozzle cover screen in stainless steel

SOLFOG – BRINE MIST MAKER

FUNCTION DESCRIPTION

The SOLFOG generates a very fine, dry fog made of ultrapure brine solution by a ultrasonic fog maker. This dense fog is delivered to the room through an airstream that is produced in the unit. Thereby a salty sea climate is created in the according room. The brine solution is primed out of an air sealed bag (Politainer). This bag interlocks when the liquid brine solution is taken out. This procedure prevents the contamination of the solution with germs of the ambient air. A salty room climate is said to support the healing process in case of respiratory problems and skin diseases. Additionally the according room can be aromatised by the system. For this reason aroma oil concentrate is evaporated in the system and the aromatised air is blown into the room together with the salty fog.

SCOPE OF DELIVERY

- Micro processor controller UNPL in housing
- Potis for the adjustment of the single parameters
- Peristaltic pump SR10 for brine feeding
- Ventilator
- Ultra sonic fog maker
- Mounting board with console for brine bag
- Disinfection set with disinfection tablet, mixing bottle and recipient
- 5 kg sterile brine solution in politainer



TECHNICAL DATA

Area of application	Relax rooms, infrared saunas, salt rooms
Electrical supply	230 V/AC 50 Hz
Power supply	50 W
Measures	W 65 cm x H 100 cm x D 22 cm
Empty weight / operational weight	app. 15 kg / 20 kg
Temperature range	+10°C until +35°C
Protection class	IP42
Nebulisation performance brine	app. 0,07l brine/h at 40 s dosing time and 5 min pause time

TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of system
- Power socket 230 V
- Tubing to the room

POINTS TO BE CONSIDERED BEFORE THE INSTALLATION:

- Before the installation of a SOLFOG all materials have to be checked on their corrosion resistance against the saline climate, even the ventilation pipework.
- The SOLFOG is not licensed for medical purpose.
- Use only pure, disinfected WDT brine solution with a salt concentration of app. 5%. WDT brine solution is delivered in a sterile condition in a closed bag. Outstanding brine solution is affected by bacterial impact and so should not be used.
- The SOLFOG is only useful for rooms with a max. temperature of app. 60°C.

ACCESSORIES / OPTIONS

- Push button plate with bonnet for flush mounting
- Cover screen for fog outlet
- Aroma





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
- Pots 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 automatic 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

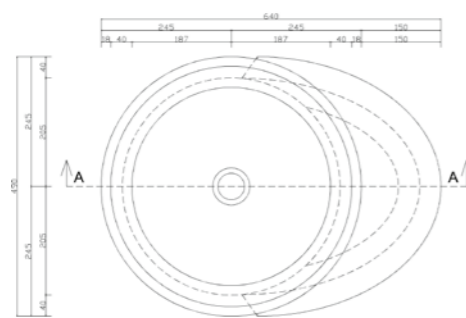
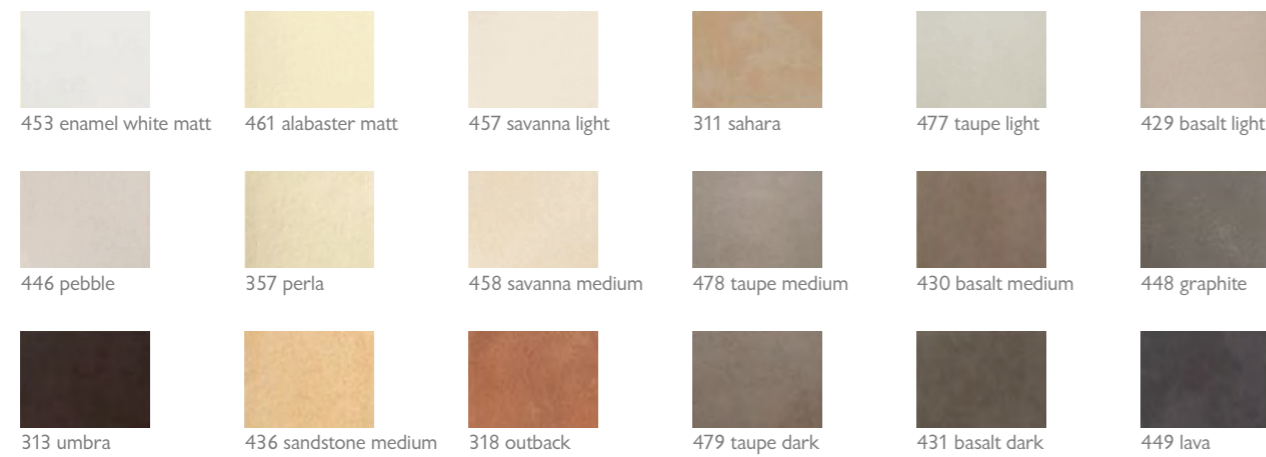


The foot basins made of ceramics have been developed together with the company Sommerhuber especially for the foot bath bubbling system and are available round or square shaped.

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.

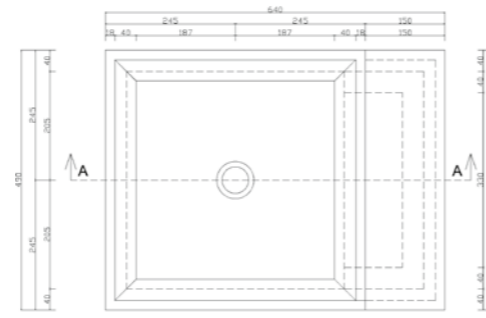
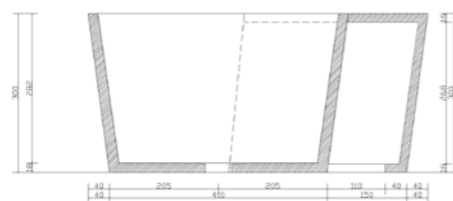
An additional part made of ceramics is available for the installation of the faucets (provided by the client or by WDT) and the buttons for the start of the programmes. The basins with additional part are available for single as well as for double foot bath sputtering systems.

Glazes Spa Ceramics



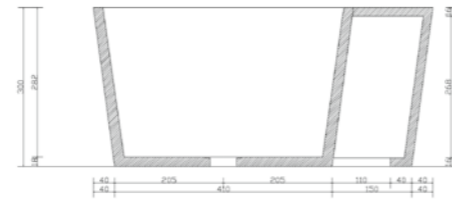
Floor-Plan

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



Room aromatization

Pleasant aroma increases the recreational value of a wellness treatment. For the aromatization of dry rooms like relaxation areas, tepidariums, calariums and infra-red cabinets, you can only use air as a carrier medium of the aroma. Our systems for room aromatization have been especially developed for this application.

Our equipment is designed to use the principle of evaporation. Air is blown over the surface of a fragrance oil concentrate and it evaporates the volatile parts of the oil. This aromatized air is then conveyed into the room by a small compressor or a blower. Because of this process, no aroma aerosol has to be sprayed into the room. So no residue of the fragrance is present around the aroma outlet or in the room. The low-volatile parts of the fragrance settle to the bottom of the aroma bottle. This bottle can be changed or re-filled very easily and cleanly. The systems work up to a room temperature of app. 50°C and are available for one or several aromas to choose from.

13267- AEROM POWER



FUNCTION DESCRIPTION

Unit for the aromatization of rooms up to a volume of app. 100 m³. For the installation in the room that has to be aromatized. A small blower blows air over the surface of a fragrance concentrate that is filled into a little bottle. The fragrance concentrate evaporates and is blown into the room. The intensity of the aroma can be adjusted by a rotary knob at the housing.

SCOPE OF DELIVERY

- Micro-processor controller DS
- Ventilator
- Bottle adapter
- PET-bottle 250 ml
- Filter star 60 x 8 for the increase of the surface
- Housing with all components installed

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	app. 10 W
Evaporation performance max.	app. 20 ml of aroma in 24 h (depending on the aroma)
Measures	W 13 cm x H 23 cm x D 11 cm
Weight	app. 2 kg

TO BE PROVIDED BY THE BUILDER

- Useful for rooms with a max. temperature of 50°C

ACCESSORIES / OPTIONS

- Fragrance

17108- DUFTDOS-AK1-0



FUNCTION DESCRIPTION

Unit for the aromatization of Tepidariums, Caldariums, Infra-Red Saunas etc. for cabinets of app. 50 m³ volume. For the installation in the plants room. A small compressor blows air over the surface of a fragrance concentrate that is filled into a little bottle. The fragrance concentrate evaporates and is transported into the room by a tube 6 x 1 (max. 5 meters).

To be controlled externally by 230 V on/off.

SCOPE OF DELIVERY

- Compressor 7006 AC
- Bottle adapter
- PET-bottle 250 ml
- Filter star 60 x 8 for the increase of the surface
- Housing with all components installed
- Injection nozzle for cabinets and 5 m dosing tube PE 6x1



TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	app. 60 W
Evaporation performance max.	app. 5 ml of aroma in 24 h (depending on the aroma)
Measures	W 25 cm x H 50 cm x D 13 cm
Weight	app. 4 kg

TO BE PROVIDED BY THE BUILDER

- Useful for rooms with a max. temperature of 50°C
- Control signal 230 V on/off

ACCESSORIES / OPTIONS

- Fragrance



**18876-1-DUFTDOS-
-AK1-UNPL****FUNCTION DESCRIPTION**

Unit for the aromatization of Tepidariums, Caldariums, Infra-Red Saunas etc. with intensity control for cabinets of app. 50 m³ volume. For the installation in the plants room. A small compressor blows air over the surface of a fragrance concentrate that is filled into a little bottle. The fragrance concentrate evaporates and is transported into the room by a tube 6 x 1 (max. 5 meters).

The pause and dosing times are adjusted by 2 rotary knobs at the control housing.

SCOPE OF DELIVERY

- Microprocessor controller UNPL
- Compressor 7006 AC
- Bottle adapter
- PET-bottle 250 ml
- Filter star 60 x 8 for the increase of the surface
- Housing with all components installed
- Injection nozzle for cabinets and 5 m dosing tube PE 6 x 1

**TECHNICAL DATA**

Electrical supply	230 V/AC 50 Hz
Power supply	app. 60 W
Evaporation performance max.	app. 5 ml of aroma in 24 h (depending on the aroma)
Measures	W 25 cm x H 50 cm x D 13 cm
Weight	app. 4 kg

TO BE PROVIDED BY THE BUILDER

- Useful for rooms with a max. temperature of 50°C

ACCESSORIES / OPTIONS

- Fragrance

**13349-1- DUFTDOS-
AK3-W-UNPL****FUNCTION DESCRIPTION**

Unit for the aromatization of Tepidariums, Caldariums, Infra-Red Saunas etc. with 3 different aromas with intensity control for cabinets of app. 50 m³ volume. For the installation in the plants room. A small compressor blows air over the surface of a fragrance concentrate that is filled into a little bottle. The fragrance concentrate evaporates and is transported into the room by a tube 6 x 1 (max. 5 meters).

The demanded aroma is chosen by a pre-selector switch at the controller of the unit by the operator. After the choice 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.

SCOPE OF DELIVERY

- Microprocessor controller UNPL
- Pre-selector switch
- 3 x Compressor 7006 AC
- 3 x Bottle adapter
- 3 x PET-bottle 250 ml
- 3 x Filter star 60 x 8 for the increase of the surface
- Housing with all components installed
- 3 x Injection nozzle for cabinets and 3 x 5 m dosing tube PE 6 x 1

TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	app. 60 W
Evaporation performance max.	app. 5 ml of aroma in 24 h (depending on the aroma)
Measures	W 40 cm x H 40 cm x D 20 cm
Weight	app. 8 kg

TO BE PROVIDED BY THE BUILDER

- Useful for rooms with a max. temperature of 50°C

ACCESSORIES / OPTIONS

- Fragrance
- Also available for 2 or 4 aromas (on demand)

**22190-DUFTDOS-
AK4-T-EDS1****FUNCTION DESCRIPTION**

Unit for the aromatization of Tepidariums, Caldariums, Infra-Red Saunas etc. with 4 different aromas for cabinets of app. 50 m³ volume. For the installation in the plants room. A small compressor blows air over the surface of a fragrance concentrate that is filled into a little bottle. The fragrance concentrate evaporates and is transported into the room by a tube 6 x 1 (max. 5 meters).

The demanded 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 demanded aroma the other aroma pumps are locked. After the lapse of the programme the dosing is blocked for 3 minutes.

SCOPE OF DELIVERY

- Microprocessor controller EDS1
- 4 x Compressor 7006 AC in housing
- 4 x Bottle adapter
- 4 x PET-bottle 250 ml
- 4 x Filter star 60 x 8 for the increase of the surface
- Housing with all components installed
- 4 x Injection nozzle for cabinets and 4 x 5 m dosing tube PE 6 x 1

**TECHNICAL DATA**

Electrical supply	230 V/AC 50 Hz
Power supply	app. 60 W
Evaporation performance max.	app. 5 ml of aroma in 24 h (depending on the aroma)
Measures	W 40 cm x H 40 cm x D 20 cm
Weight	app. 8 kg

TO BE PROVIDED BY THE BUILDER

- Useful for rooms with a max. temperature of 50°C

ACCESSORIES / OPTIONS

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





Touch screen controllers

Only a perfect interaction of water, aroma, steam, light, sound and heat makes wellness a pleasant and unique experience. These elements can be harmonized easily by our control systems. We offer you individual touch screen controllers that are customized for your wellness concept.

We are able to supply controllers for a single cabinet or a central control system for all cabinets in a wellness center. The operator is capable of managing all components of the wellness area very easily from one touch screen.

For intuitive operation and visualisation we use clearly designed touch screens from 3.7" to 19". They can be programmed in several languages. Furthermore, the measured values, current operational status, faults and alarms can be displayed with each browser driven multimedia terminal such as a PC, smartphone, or tablet. Due to the use of sophisticated SPS industrial controllers, a highly stable system is guaranteed. In addition, each controller includes its individual wiring diagram for the trouble-free electrical installation.

Page:

121 Remote control for steam rooms

123 Central control systems for

Wellness areas

REMOTE CONTROL FOR HYGROMATIK STEAM GENERATORS

FUNCTION DESCRIPTION

Touch screen controller for the remote control of steam rooms that are operated with a Hygromatik steam generator. All functions and parameters of the cabinet can be set easily by the self-explanatory menu of the touch screen. The generator and the controller are communicating via interface RS232. The controller is either installed directly in the generator or delivered in a separate control cabinet. Controller and touch are connected by a BUS cable.

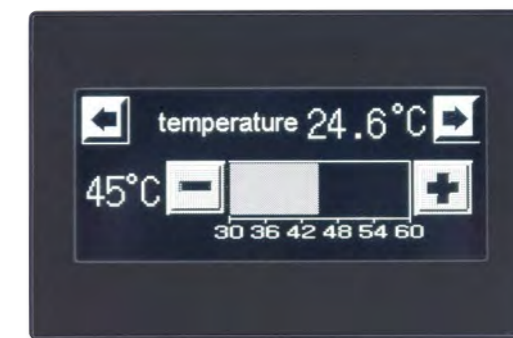
SCOPE OF DELIVERY

- SPS controller with 4 - 18 control outputs (according to the no. of connected components)
- Possibly metal control cabinet (according to the no. of connected components)
- Steam generator Hygromatik with temperature sensor TF104
- 3.8" Touch screen display, 32 levels of grey
- Cover screen stainless steel
- Bonnet for flush mounting of the touch
- 5 m BUS cable for the connection controller - touch

Here a choice of components that can be controlled:

- Steam generator - temperature controlled
- Exhaust ventilator - temperature controlled
- Supply ventilator
- Fragrance pump DUFTDOS-0
- SOLDOS
- Illumination (e.g. spots, projector/colors fiber optics) - 230 V or non-volt on/off
- Illumination (e.g. LED RGB WDT) - choice by touch
- MP3 Player

Other variants on demand!



MEASURES

Touch 3.8"	W 113 mm x H 74 mm x D 27 mm
Touch 4.3"	W 149 mm x H 109 mm x D 56 mm

ACCESSORIES / OPTIONS

- Touch screen 4.3" - 64000 colors, full graphically



REMOTE CONTROL FOR EXTERNAL STEAM GENERATORS

FUNCTION DESCRIPTION

Touch screen controller for the remote control of steam rooms that are operated with any steam generator that can be controlled externally. All functions and parameters of the cabinet can be set easily by the self-explanatory menu of the touch screen. The controller incl. room temperature sensor is delivered in a separate control cabinet. Controller and touch are connected by a BUS cable.

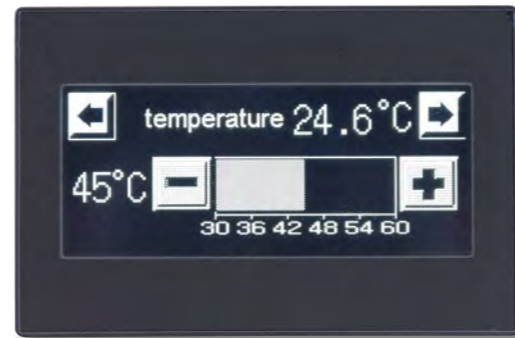
SCOPE OF DELIVERY

- SPS controller with 4 - 18 control outputs (according to the no. of connected components)
- Metal control cabinet
- Temperature sensor PT1000
- If necessary temperature sensors PT1000 for bench, floor and wall
- 3.8" Touch screen display, 32 levels of grey
- Cover screen stainless steel
- Bonnet for flush mounting of the touch
- 5 m BUS cable for the connection controller - touch

Here a choice of components that can be controlled:

- Steam generator - temperature controlled
- Exhaust ventilator - temperature controlled
- Supply ventilator
- Fragrance pump DUFTDOS-0
- SOLDOS
- Illumination (e.g. spots, projector/colors fiber optics) - 230 V or non-volt on/off
- Illumination (e.g. LED RGB WDT) - choice by touch
- Floor heating - temperature controlled
- Wall heating - temperature controlled
- Bench heating - temperature controlled
- MP3 Player

Other variants on demand!



MEASURES

Touch 3.8"	W 113 mm x H 74 mm x D 27 mm
Touch 4.3"	W 149 mm x H 109 mm x D 56 mm

ACCESSORIES / OPTIONS

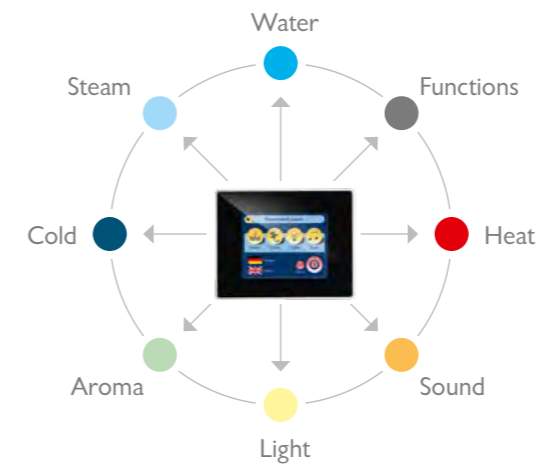
- Touch screen 4.3" - 64000 colors, full graphically



CENTRAL CONTROL SYSTEMS FOR WELLNESS AREAS

FUNCTION DESCRIPTION

Heat, water, illumination, sound and aroma: only the harmony of these senses gives a unique wellness experience. The touch screen controller combines these elements perfectly. All operation modes (Steam Room, Tepidarium, Finnish Sauna, Soft Sauna etc.) and all functions (light, sound, steam generators, sauna heaters, floor-/ wall-/ bench heating etc.) of the cabinets can be controlled and harmonized by the central control system.



SCOPE OF DELIVERY

- SPS controller (No. of control outputs according to the no. of connected components)
- Metal control cabinet
- Temperature sensors PT1000/ humidity sensors and safety temperature limiters STL (depending on the number of connected generators, heaters, heating circuits)
- Touch screen display: 3.8" or 4.3" or 7" - bigger touches on demand
- Bonnet for flush mounting of the touch
- BUS cable for the connection controller - touch



Here a choice of components that can be controlled:

Steam Room:

- Steam generator - temperature controlled
- Exhaust ventilator - temperature controlled
- Supply ventilator
- Fragrance pump DUFTDOS-0
- SOLDOS
- Illumination (e.g. spots, projector/colors fiber optics) - 230 V or non-volt on/off
- Illumination (e.g. LED RGB WDT) - choice by touch
- Floor heating - temperature controlled
- Bench heating - temperature controlled
- MP3 Player

(Soft-)Sauna:

- Sauna heater - temperature controlled
- Possibly steam generator/water basin - humidity- or time controller
- Illumination (e.g. spots, projector/colors fiber optics) - 230 V or non-volt on/off
- Illumination (e.g. LED RGB WDT) - choice by touch
- Sauna splash automatic
- MP3 Player

Tepidarium:

- Aromatization DUFTDOS-AK
- Exhaust ventilator
- Supply ventilator
- Illumination (e.g. spots, projector/colors fiber optics) - 230 V or non-volt on/off
- Illumination (e.g. LED RGB WDT) - choice by touch
- Floor heating - temperature controlled
- Wall heating - temperature controlled
- Bench heating - temperature controlled
- MP3 Player

Other variants on demand!



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				•





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