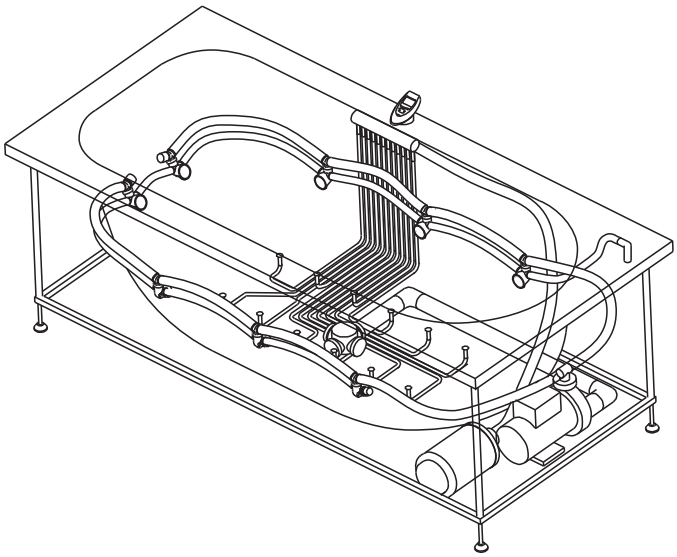
Whirlpool



English

WellPool™	Square	401	2282400x
WellPool™	Soft	402	2282500x
WellPool™	Soft	405	2283100x
WellPool™	Soft	406	2283200x
WellPool™	Square	410	2280400x
WellPool™	Soft	420	2280500x
WellPool™	Oval	430	2280600x
WellPool™	Square	415	2281400x
WellPool™	Soft	425	2281500x
WellPool™	Lounge	450	2281000x
Premium^{line}	Malawi	370	2137200x
Premium^{line}	Ladoga	360	2136200x
Premium^{line}	Victoria	325	2132700x
Premium^{line}	Almonte	380	2138200x
Premium^{line}	Lugano	335	2283000x
Premium^{line}	Lugano	340	2134200x
Luxus^{line} Solo	Solero	740	2174200x
Luxus^{line} Solo	Iseda	720	2172200x
Luxus^{line} Solo	Monola L/R	700	2170200x
Luxus^{line} Duo	LoungePool	840	2280000x
Luxus^{line} Duo	Imaza	750	2175200x
Luxus^{line} Duo	Ladiva	760	2176200x
Luxus^{line} Duo	Pareva	770	2177200x
Luxus^{line} Royal	Almeda	780	2178200x
Luxus^{line} Royal	Magadi	790	2179200x
Luxus^{line} Royal	Spenida	795	2179700x
Luxus^{line} Royal	LoungePool L	850	2280300x
Luxus^{line} Royal	LoungePool R	850	2280200x

CLEOPATRA
world of wellness

English

English

Information
These installation instructions contain the most important installing procedures and installation notes for the products stated on the front page. Please read these instructions carefully in order to avoid incorrect installation. The whirlpools has been manufactured in accordance with the applicable regulations. Any improper installation may lead to injuries!
The used illustrations are schematic diagrams. Keep the installation / operating instructions in a safe place and pass on to subsequent
owners / users.

Standards and Directives
The use of the whirlpool is safeguarded by the following Directives:
Low Voltage Directive 2006/95/EEC
Directive 2004/108/EC
EN 61000-6-3: 2012
EN 61000-3-3: 2013
DIN VDE 100 Part 701: 2008
EN 60335-2-60/A12: 2010
EN 14516/A1: 2010
EN 12764/A1: 2008
EN 198: 2008

Power supply:
The complete power supply is performed by means of:
- Mains connection:
  < 3.2kW = 230V 1N ~50Hz (L, N, PE)
  > 3.2kW = 400V 2N ~50Hz (L1, L2, N, PE)
- Circuit breaker for disconnection from power supply with 3 mm contact opening.

The power supply must have a residual current device (RCD) which must provide protection with a rated residual current of ≤ 30 mA fuse.

Electrical installation
The electrical installation must be in accordance with VDE 0100 Part 701 respectively IEC 60364-7-701 and all applicable EN, IEC and DIN VDE, country-specific and EVU regulations in their valid versions. All installation must be carried out by an approved electrician.

Electrical connection
Site-supplied connecting cable
length 3500 mm
- < 3.2 kW = cable 3 x 2.5 mm2
- > 3.2 kW = cable 4 x 2.5 mm2
- Earthing cable = cable 4 mm²

Danger!

All works at the whirlpool may only be carried out in a de-energized state!

Danger!

Do not use higher voltage than 12 volts (radio, hair-dryer, etc.) in or close to the whirlpool!

Water inlet / Water drain
Connections for water inlet and drain have to be installed according to the currently valid DIN 1988/EN1717 / DIN1986/EN12056 as well as local regulations.

Please check before installation
- Observe door width in the room where the whirlpool is to be installed.
- Installation of the whirlpool in combination with optinal tub skirts, in tiled bathroom (tiled floor and walls)
- Provide water supply and waste
- Whirlpools can be installed above the tiles or under the tiles.
- The complete tub rim must be supported by a brick wall or assembled with site-supplied tub rim anchors!
- Plan a ventialtion grid and service opening (see installation examples).

Floor / floor drain
- The required minimum floor load is 300 kg/m².
- The floor must be levelled properly, i.e. it must be horizontal and even.
- The whirlpool must be installed to a sealed floor for damp locations.
  Water can be splashed to the wall and to the floor

Water / wastewater
- According to DIN EN 12764, a suitable safety device preventing backflow has to be installed by the customer. According to EN 1717 this must at least consist of a HP safety combination or according to DIN 1988 of a pipe interrupter A1 at the respectively correct installation height.
- Before connecting the supply pipes, please flush the pipe system according to DIN.

Note:

According to EN 12764 appendix A, a leak test and a commissioning test must be performed, also an acceptance report according to VDE 0100-560 and VDE 0100-610.
- After installing the whirlpool, the installer must perform a leak test on the tub.
- The installer must confirm the proper transfer of the installed whirlpool on the respective page of the installation instructions.

Warnings
- This device is not intended to be used by persons (including children) with limited physical, sensory or mental aptitude or lack of experience and/or knowledge unless they are supervised by a person responsible for their safety or have received instruction from this person as to how the device is used.
- Children should be supervised to ensure that they do not play with the device.
- Parts which are including active parts must not be accessible to people in the bathroom, excluded parts with a safety extra-low voltage til 12 V.
- Parts which are including electric components must be placed or installed so, that they cannot fall into the whirlpool (placing out of area 0, 1 und 2 according to VDE0100 Part 701).
  The parts should also not reached by the user of the whirlpool. Exception is a remote control with SELV.

English

Tip for using

- Elderly and handicapped people should exercise particular care when using the whirlpool.
- The water temperature should not exceed 40°C.
- Do not exceed 20 minutes bathing time with a water temperature of ≥ 40°C.
- Please contact your doctor if you have health concerns.
- The pool must be emptied after each bath.

Examples for non-using

- The whirlpools may not be used in public areas.
- The whirlpools may not be used outdoors.
- Children must not be left unattended in the Whirlpool.
- E. g. dogs, cats or other animals must not be wash in the whirlpool.

Note: 

This appliance may be used by children aged 8 years and up and by persons who are physically or mentally handicapped, have restricted sensory capabilities or lack of know-how and experience, provided they use it under supervision or have been given instructions on the safe use of the appliance and understand the hazards involved. Do not allow children to play with the appliance. Do not allow children to clean the appliance and do maintenance operations unless under supervision.

English

Legend

A Bath tub dimensions
B1 service opening / right hand connection
B2 service opening / left hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	240 l
Tub capacity + 1 person (70 kg)*:	approx. 170 l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

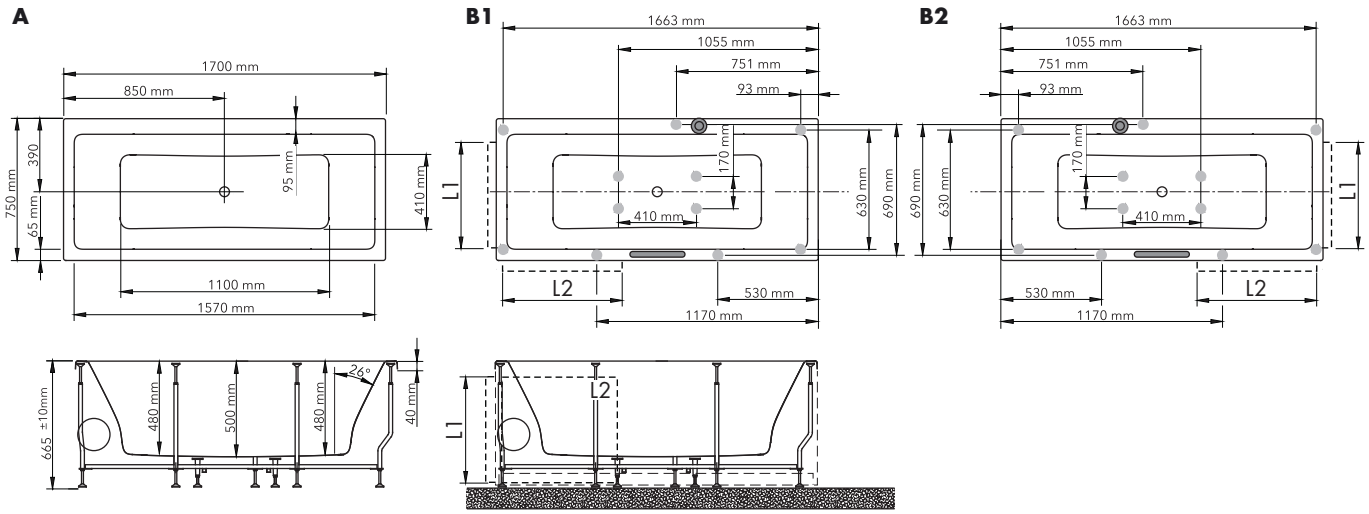
Heating

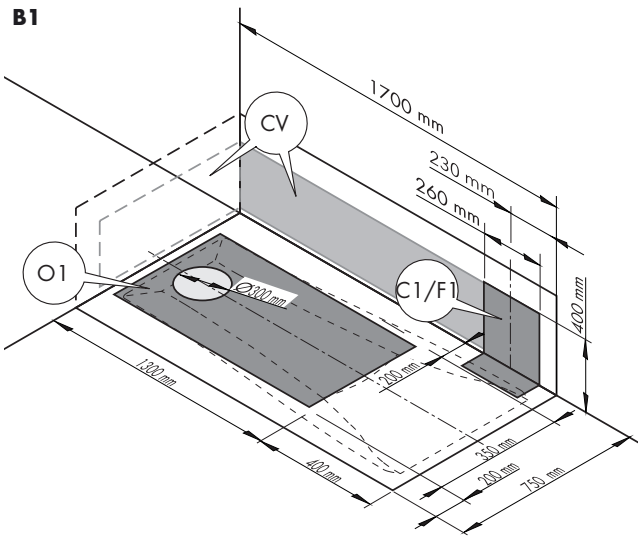
Max. connected load:	-
Protection class:	-

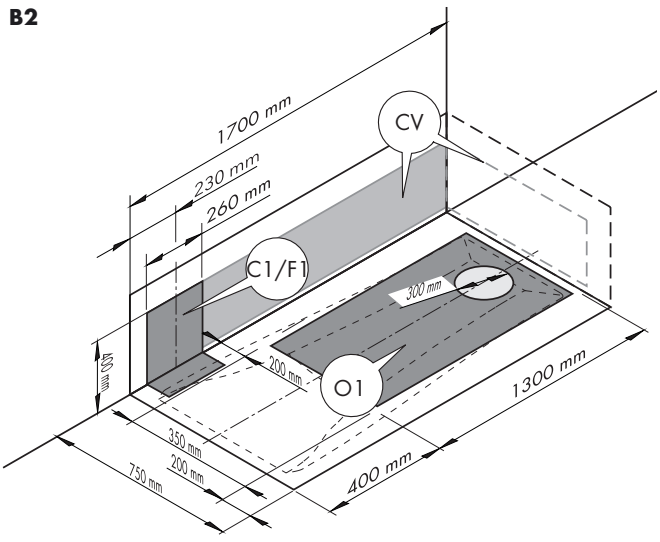
Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max. 1490W**

* Tub capacity when filled to overflow







English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	236 l
Tub capacity + 1 person (70 kg)*:	approx. 166l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

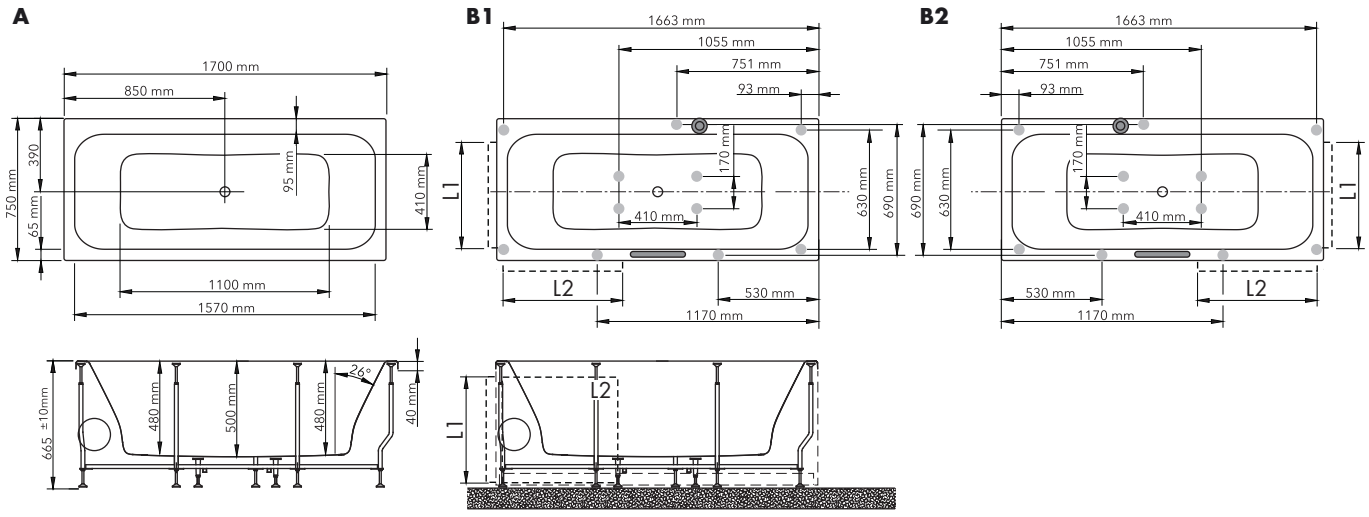
Heating

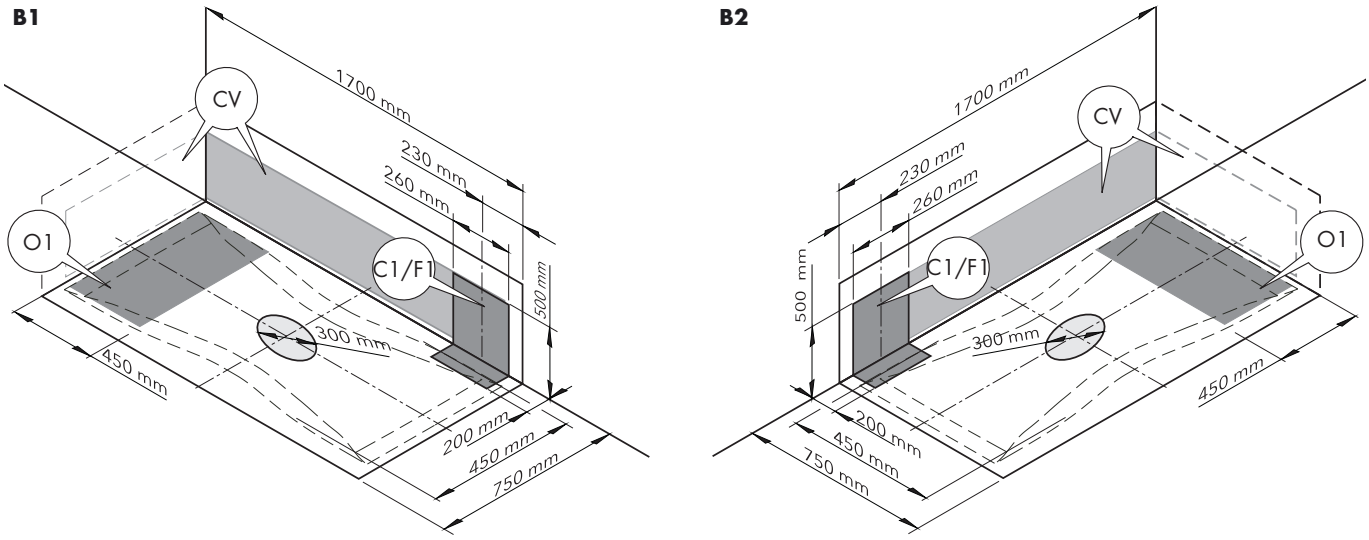
Max. connected load:	-
Protection class:	-

Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max. 1490W**

* Tub capacity when filled to overflow





English

Legend

A Bath tub dimensions
B1 service opening / right hand connection
B2 service opening / left hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)

CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	220 l
Tub capacity + 1 person (70 kg)*:	approx. 150 l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

Heating

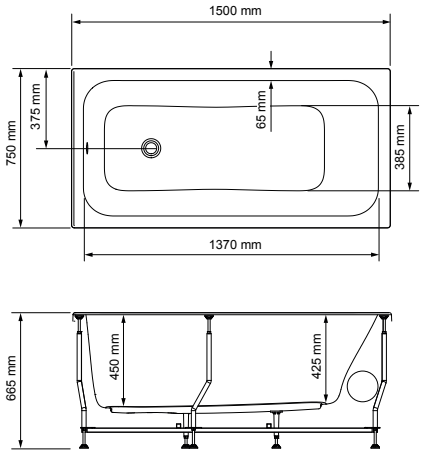
Max. connected load:	-
Protection class:	-

Underwater lighting SELV

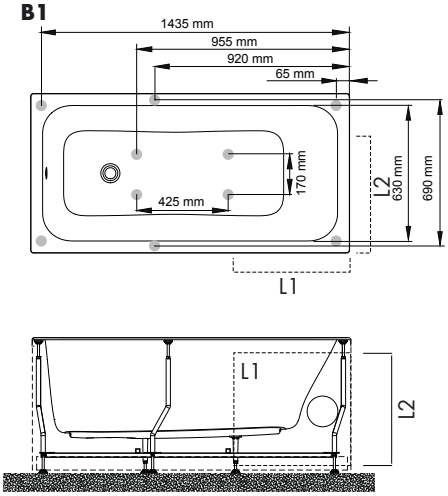
Lamp:	12V / 20 W
Total power consumption:	**max. 1490W**

* Tub capacity when filled to overflow

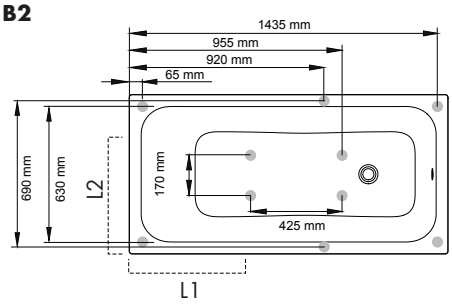
A



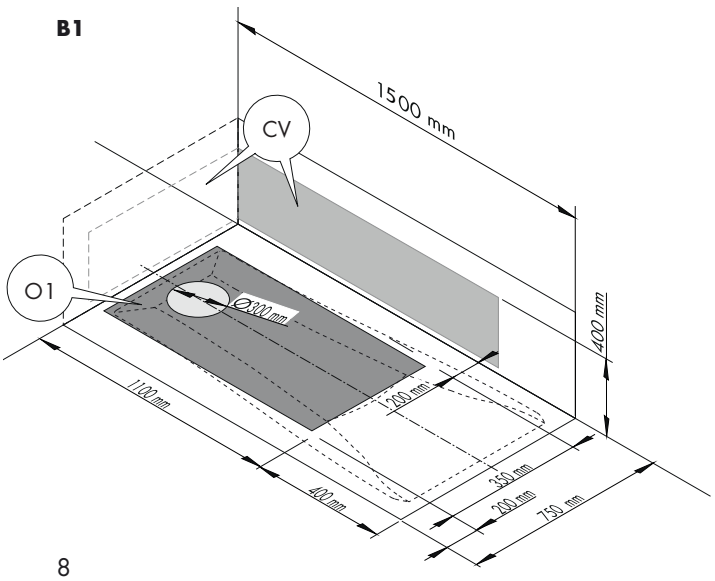
B1



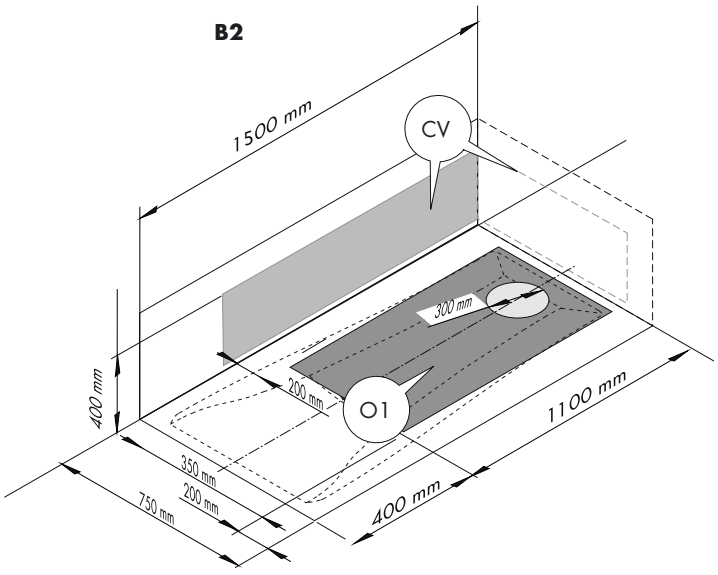
B2



B1



B2



English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)

CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	250 l
Tub capacity + 1 person (70 kg)*:	approx. 180 l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

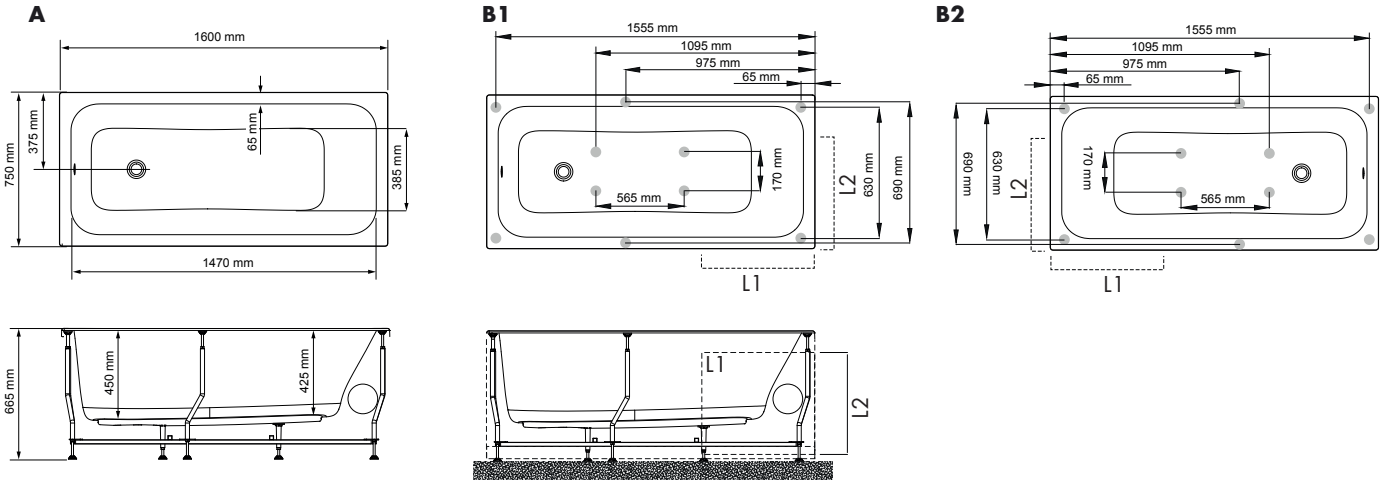
Heating

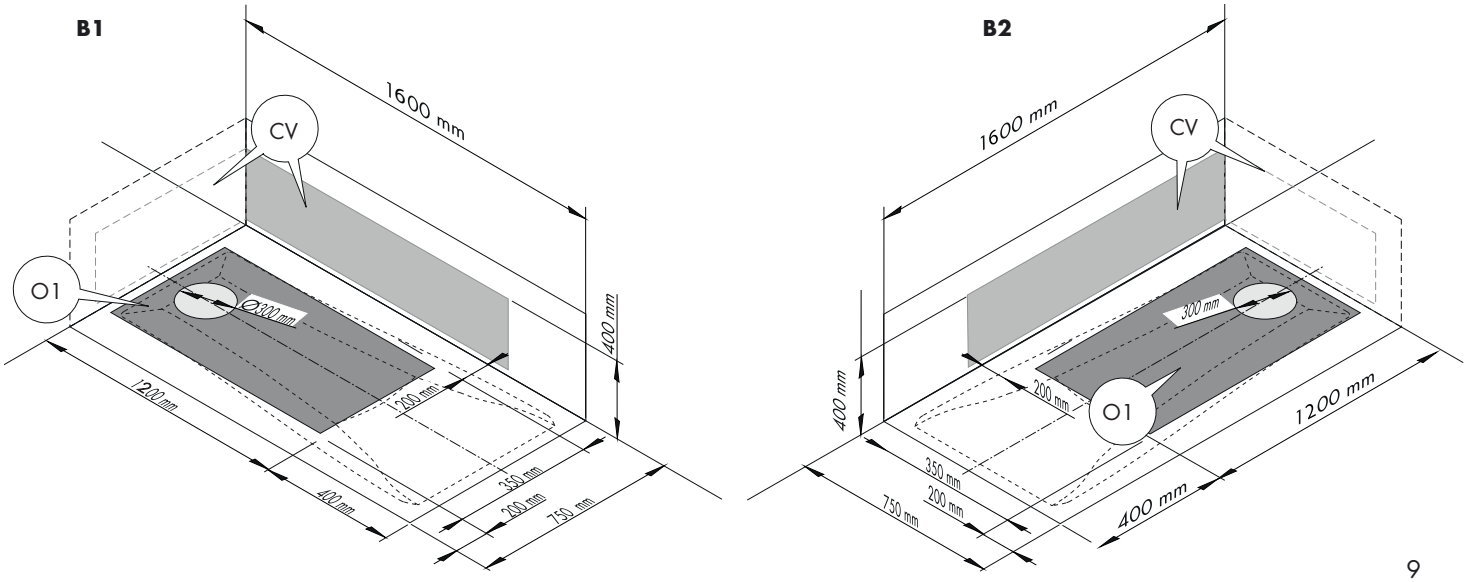
Max. connected load:	-
Protection class:	-

Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max. 1490W**

* Tub capacity when filled to overflow





English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	297 l
Tub capacity + 1 person (70 kg)*:	approx. 227l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

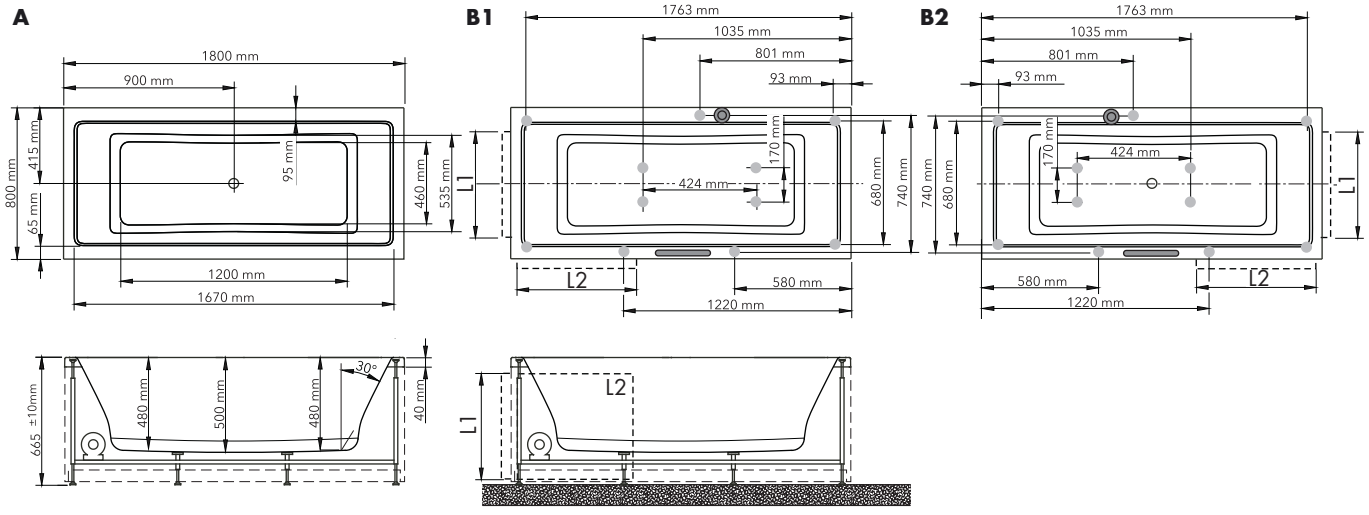
Heating

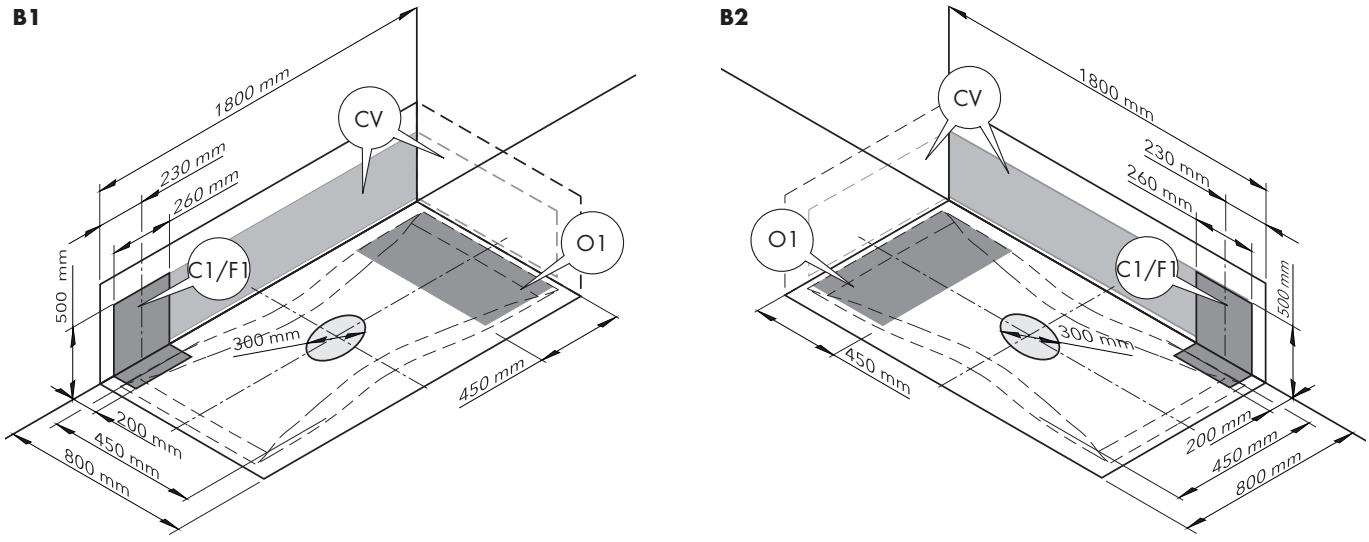
Max. connected load:	-
Protection class:	-

Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max. 1490W**

* Tub capacity when filled to overflow





English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	292 l
Tub capacity + 1 person (70 kg)*:	approx. 222l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

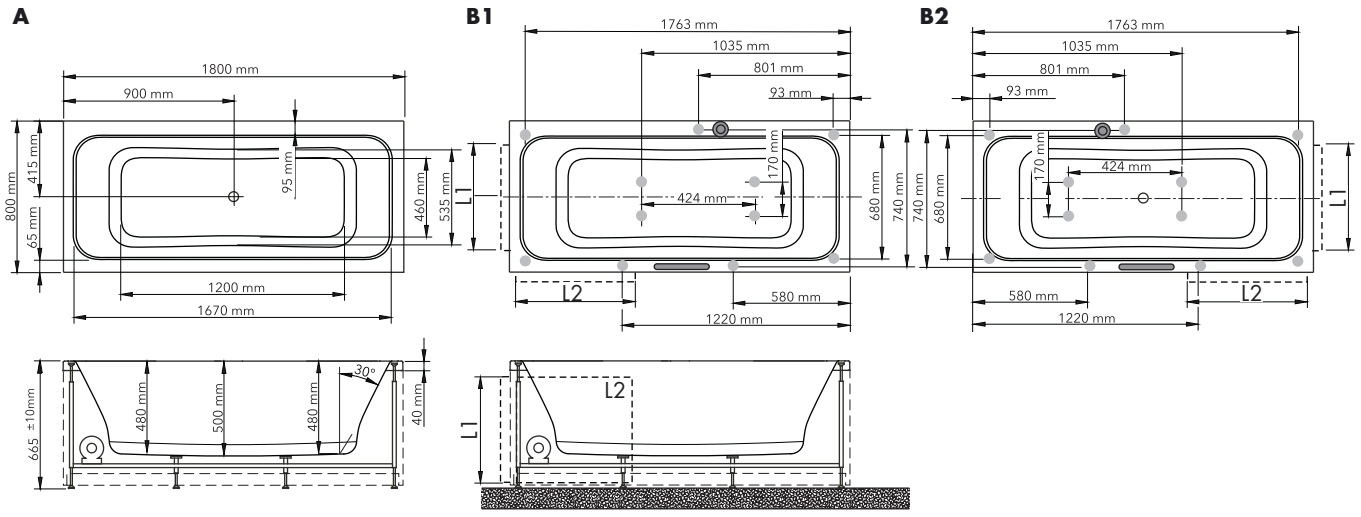
Heating

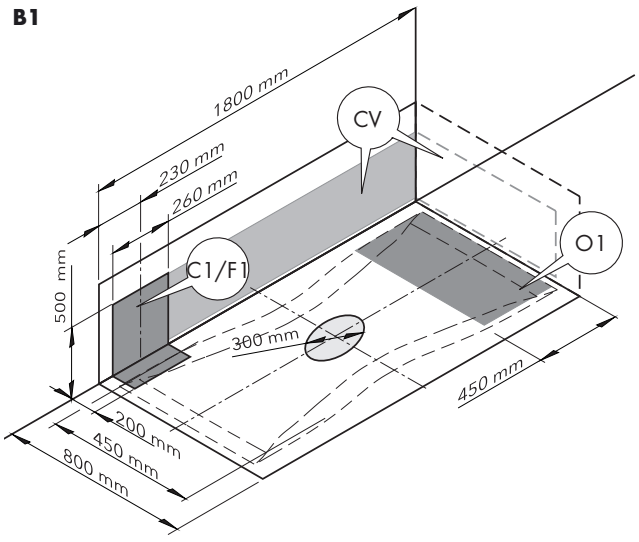
Max. connected load:	-
Protection class:	-

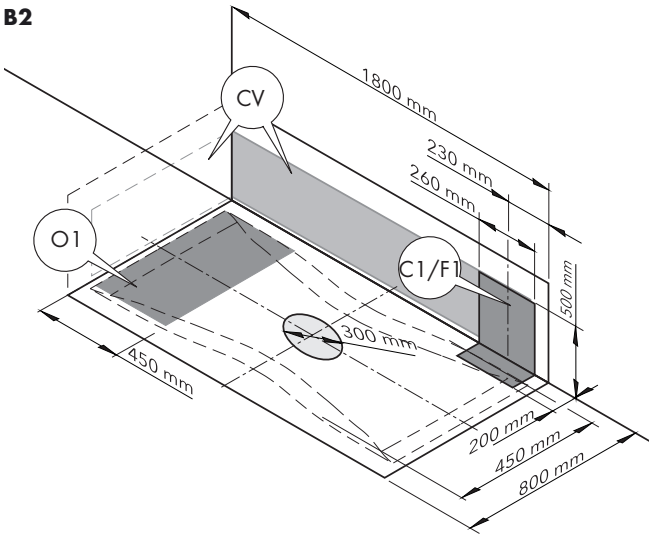
Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max. 1490W**

* Tub capacity when filled to overflow







English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	282 l
Tub capacity + 1 person (70 kg)*:	approx. 212 l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

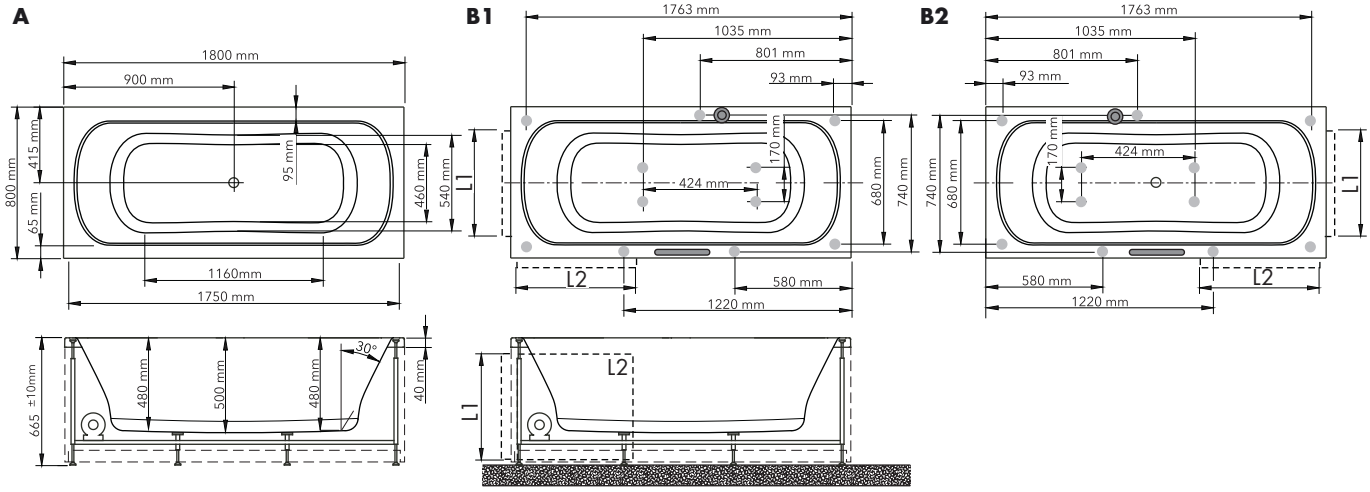
Heating

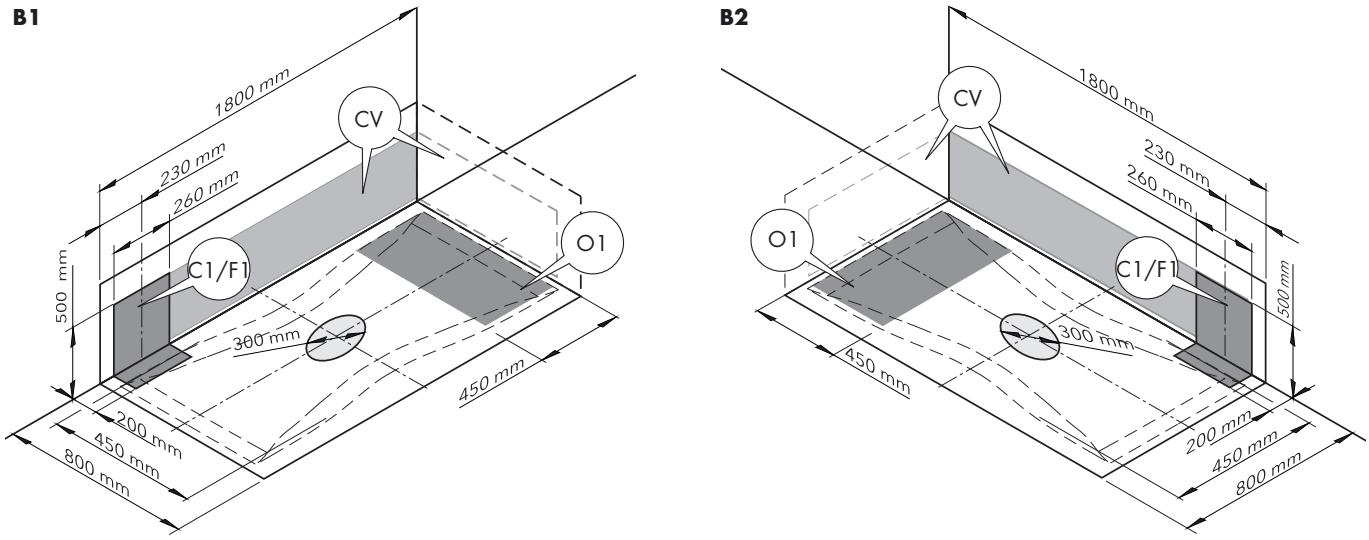
Max. connected load:	-
Protection class:	-

Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max. 1490W**

* Tub capacity when filled to overflow





English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	317 l
Tub capacity + 1 person (70 kg)*:	approx. 247 l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

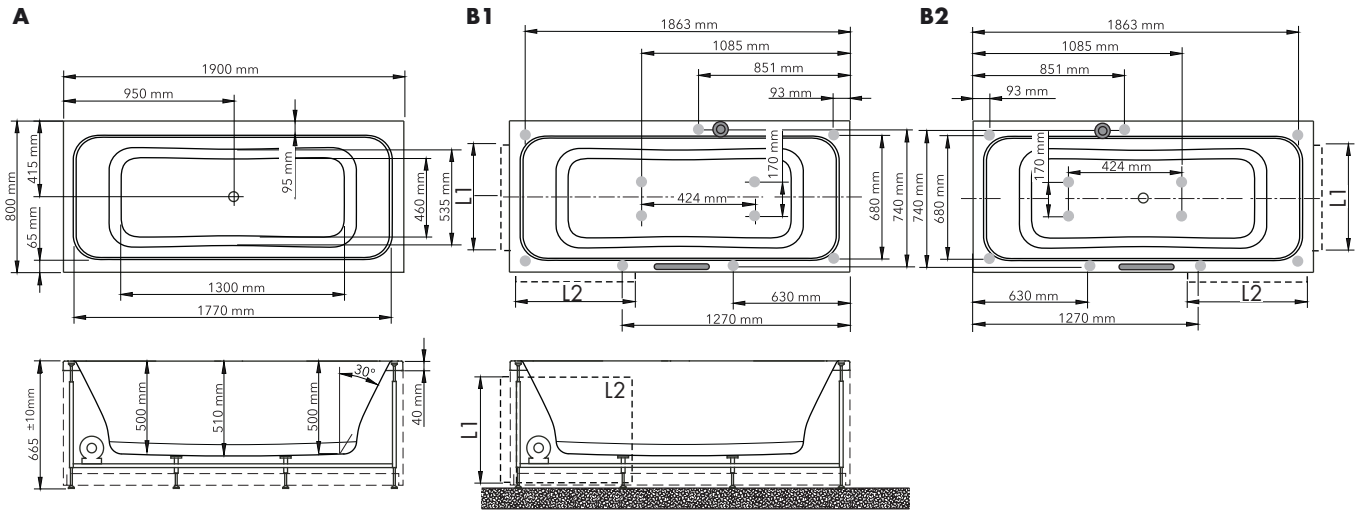
Heating

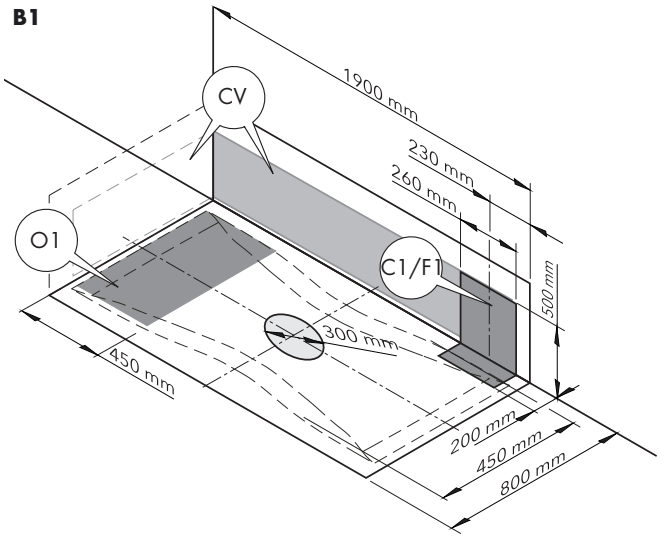
Max. connected load:	-
Protection class:	-

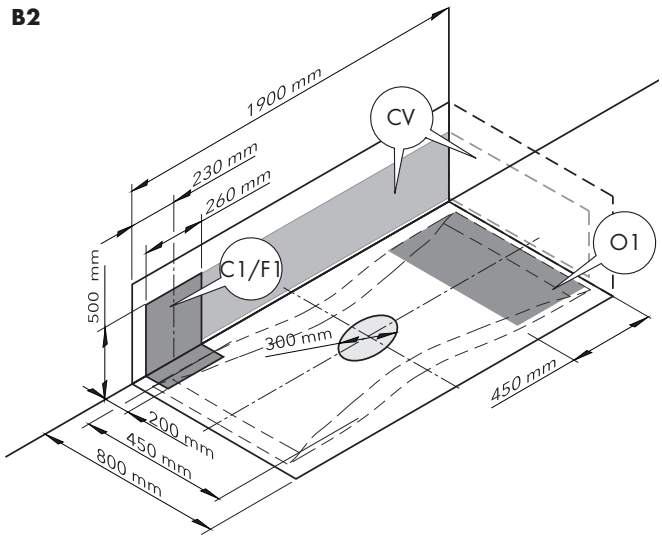
Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max. 1490W**

* Tub capacity when filled to overflow







English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	312 l
Tub capacity + 1 person (70 kg)*:	approx. 242 l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

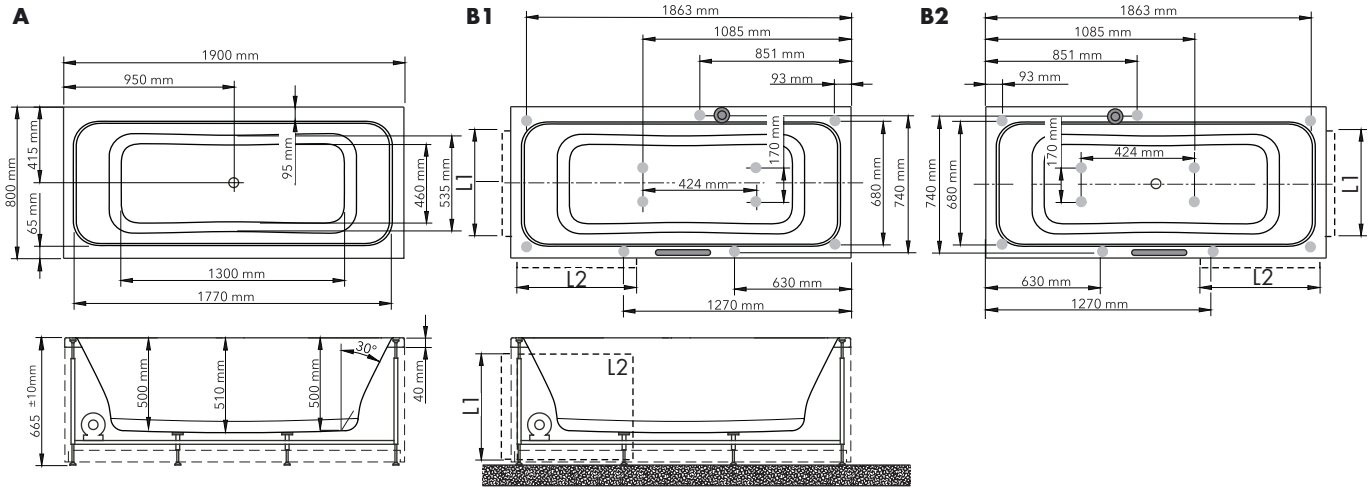
Heating

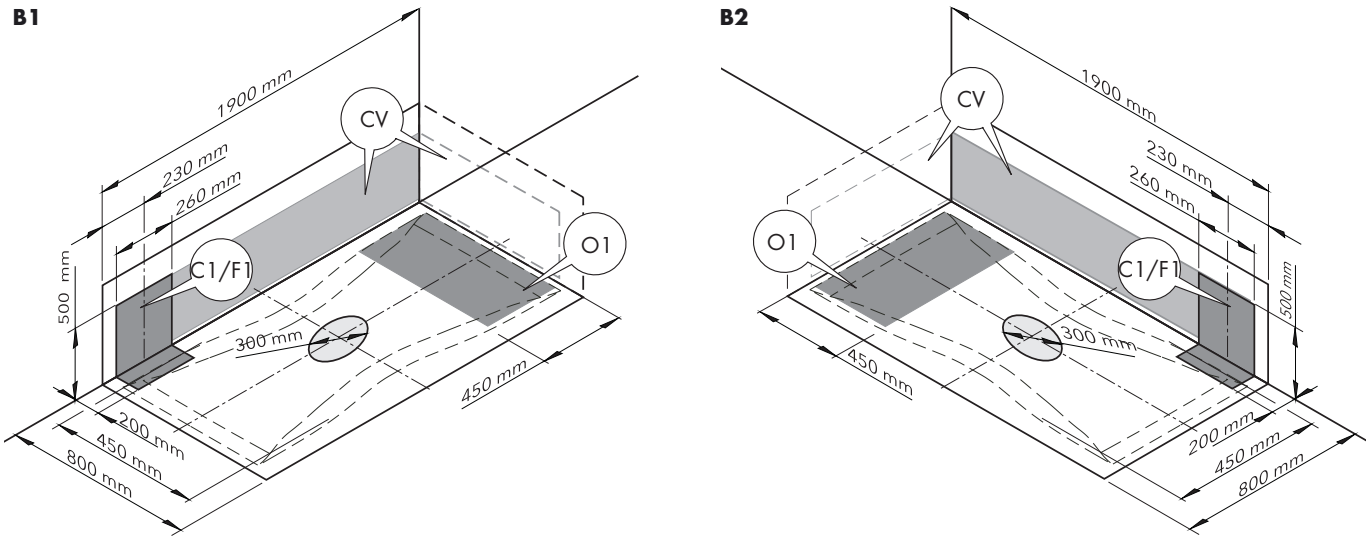
Max. connected load:	-
Protection class:	-

Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max. 1490W**

* Tub capacity when filled to overflow





English

Legend

A Bath tub dimensions

B1 service opening / left hand connection

L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)

C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge

F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge

CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel

** Cross-section at least 4 mm2

Technical Data

Tub capacity*:	317 l
Tub capacity + 1 person (70 kg)*:	approx. 247 l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

Heating

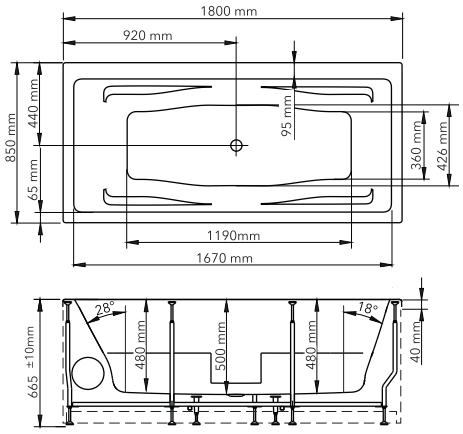
Max. connected load:	-
Protection class:	-

Underwater lighting SELV

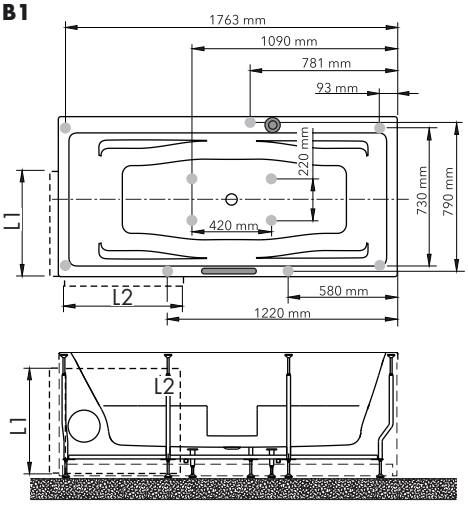
Lamp:	12V / 20 W
Total power consumption:	**max. 1490W**

* Tub capacity when filled to overflow

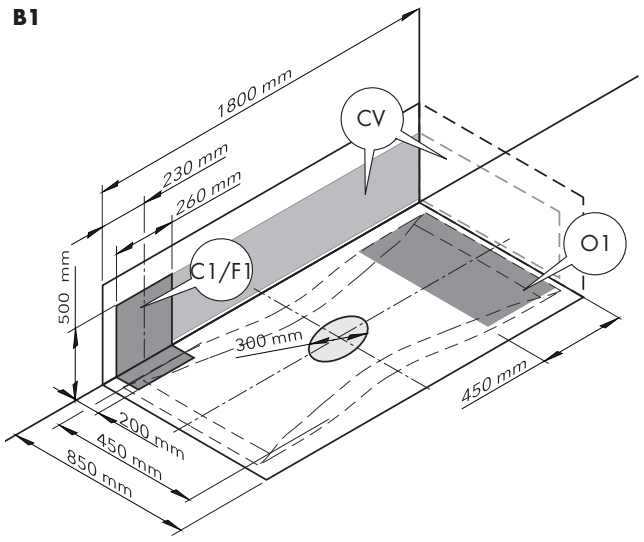
A



B1



B1



English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

The installation height changes in systems without Hydrofunction (720 -> 680 mm)!

Technical Data

Tub capacity*:	330 l
Tub capacity + 1 person (70 kg)*:	approx. 260l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

Heating

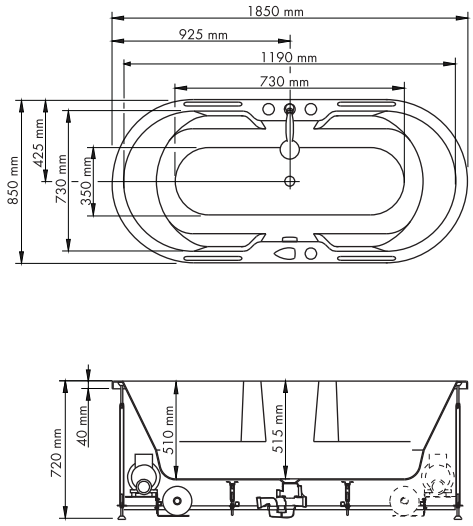
Max. connected load:	1,5 kW
Protection class:	IPX 5

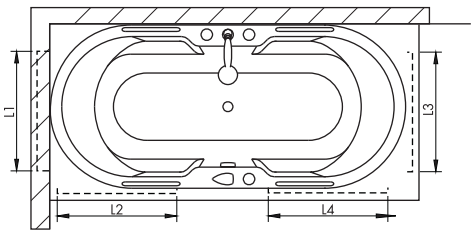
Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max.2940W**

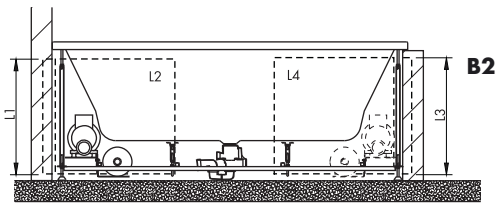
* Tub capacity when filled to overflow

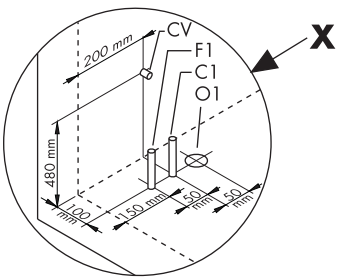
A



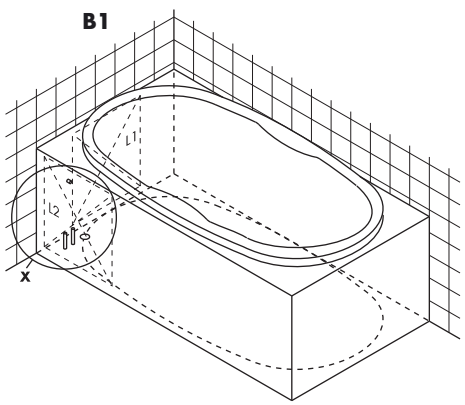


B1 **B2**

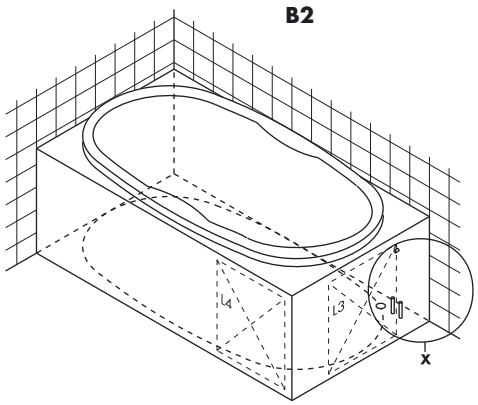




B1



B2



English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

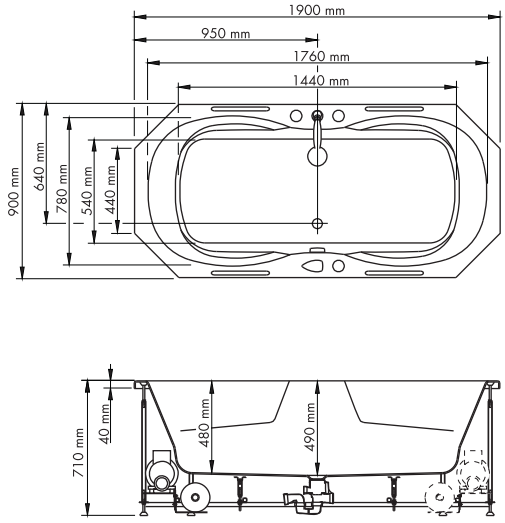
The installation height changes in systems without Hydrofunction (710 -> 670 mm)!

Technical Data

Tub capacity*:	304 l
Tub capacity + 1 person (70 kg)*:	approx. 234l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5
Blower	
Max. connected load:	0,8 kW
Protection class:	IPX 5
Pump	
Max. connected load:	1,1 kW
Protection class:	IPX 5
Heating	
Max. connected load:	1,5 kW
Protection class:	IPX 5
Underwater lighting SELV	
Lamp:	12V / 20 W
Total power consumption:	**max.2940W**

* Tub capacity when filled to overflow

A



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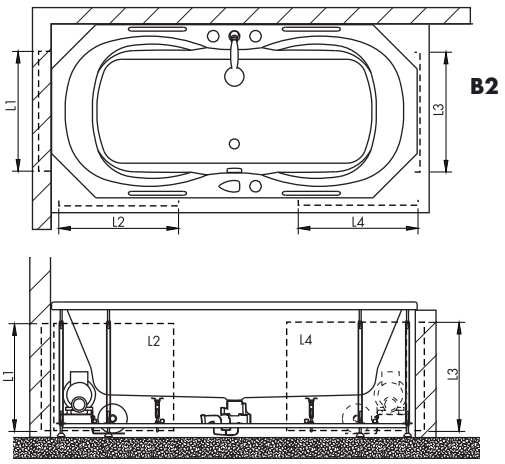
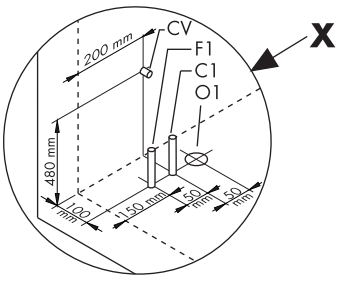
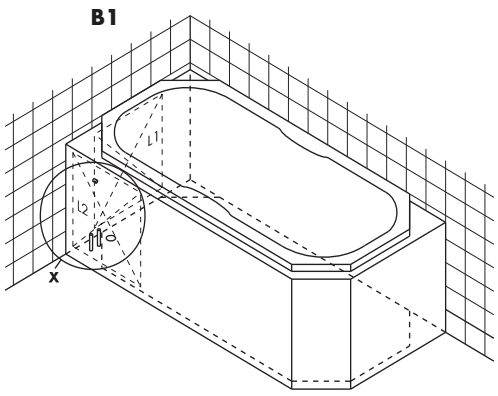


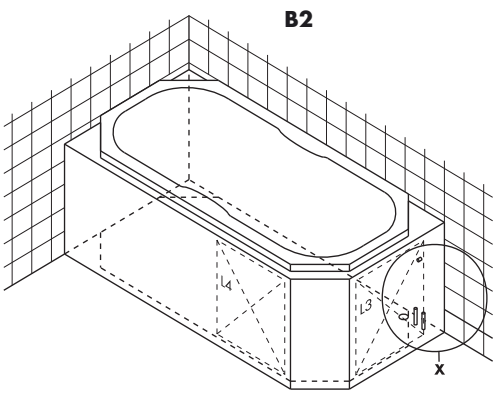
B2



B1



B2



English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

The installation height changes in systems without Hydrofunction (730 -> 680 mm)!

Technical Data

Tub capacity*:	470 l
Tub capacity + 1 person (70 kg)*:	approx. 400l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

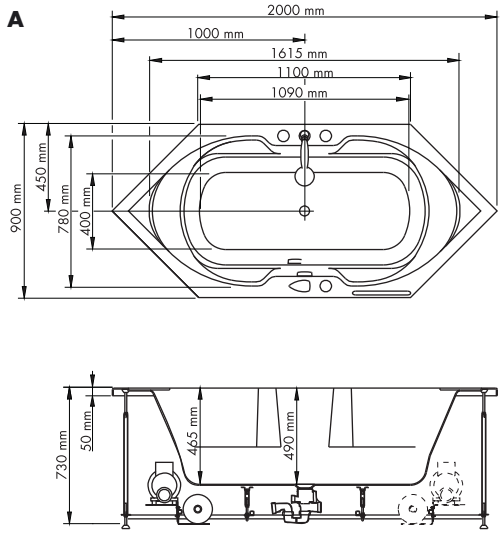
Heating

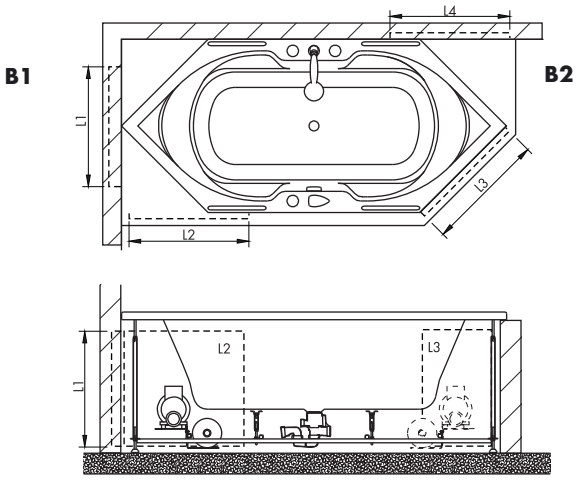
Max. connected load:	1,5 kW
Protection class:	IPX 5

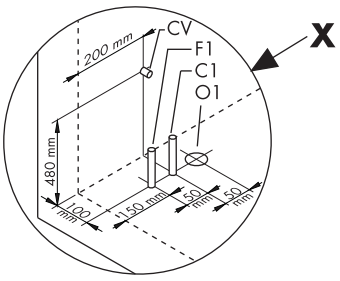
Underwater lighting SELV

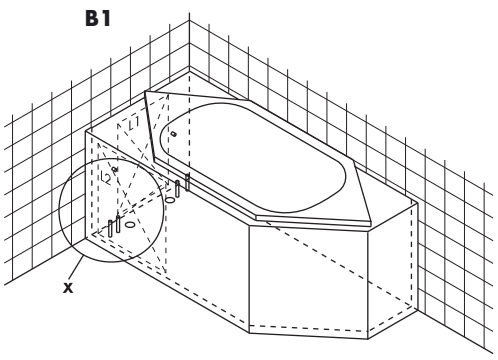
Lamp:	12V / 20 W
Total power consumption:	**max.2940W**

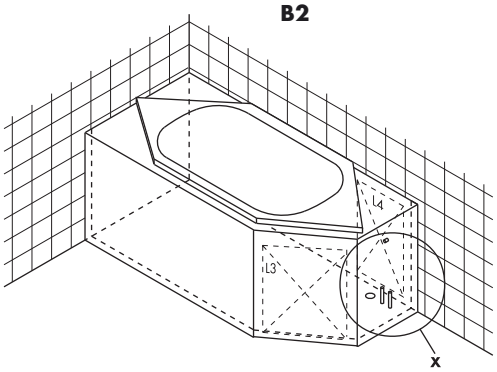
* Tub capacity when filled to overflow











English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

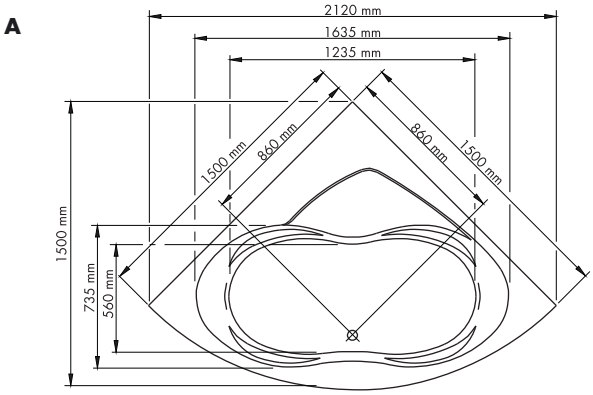
* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

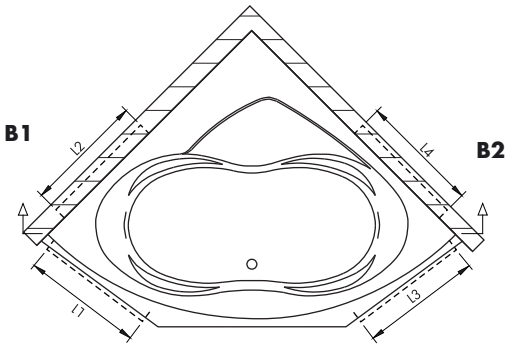
The installation height changes in systems without Hydrofunction (685 -> 645 mm)!

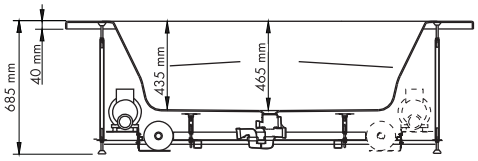
Technical Data

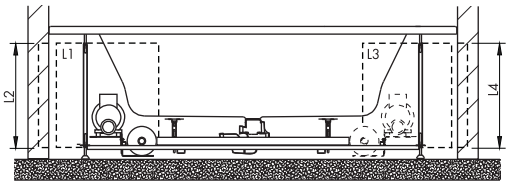
Tub capacity*:	284 l
Tub capacity + 1 person (70 kg)*:	approx. 214l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5
Blower	
Max. connected load:	0,8 kW
Protection class:	IPX 5
Pump	
Max. connected load:	0,95 kW
Protection class:	IPX 5
Heating	
Max. connected load:	1,5 kW
Protection class:	IPX 5
Underwater lighting SELV	
Lamp:	12V / 20 W
Total power consumption:	**max.2940W**

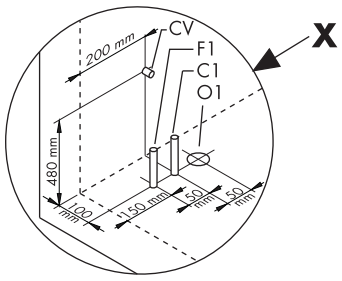
* Tub capacity when filled to overflow

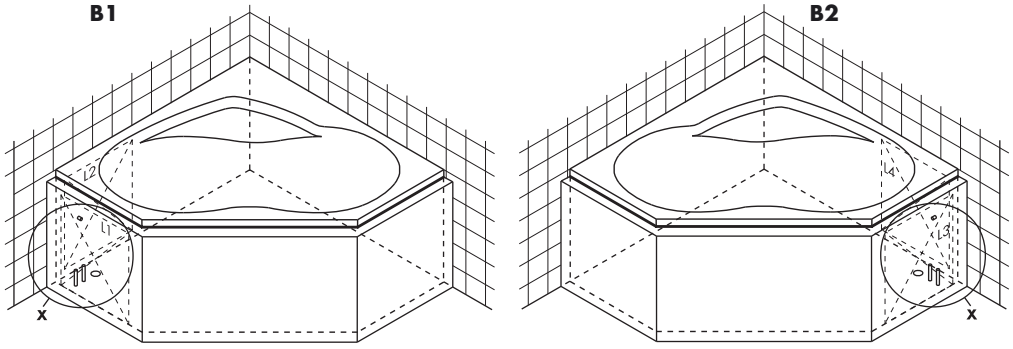












English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

The installation height changes in systems without Hydrofunction (675 -> 630 mm)!

Technical Data

Tub capacity*:	340 l
Tub capacity + 1 person (70 kg)*:	approx. 270l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	0,95 kW
Protection class:	IPX 5

Heating

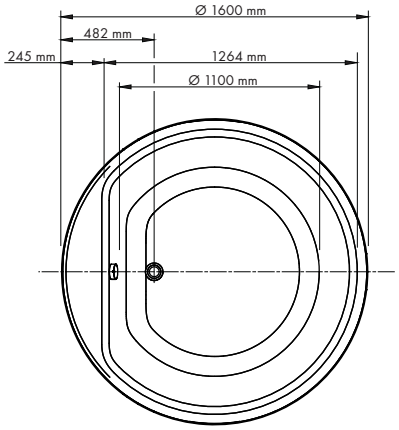
Max. connected load:	1,5 kW
Protection class:	IPX 5

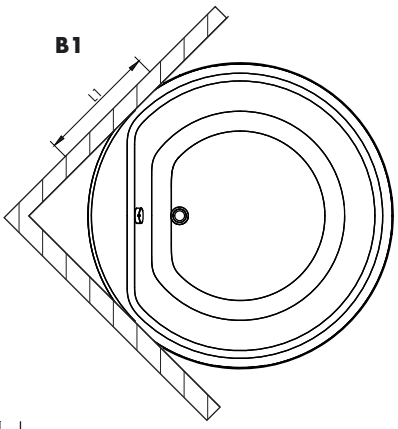
Underwater lighting SELV

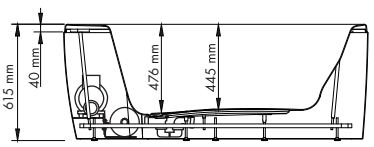
Lamp:	12V / 20 W
Total power consumption:	**max.2940W**

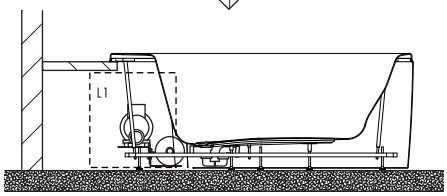
* Tub capacity when filled to overflow

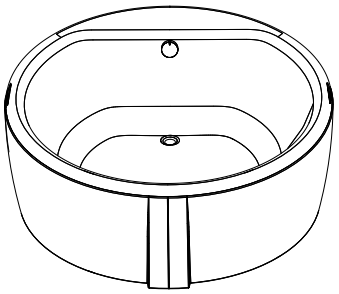
A

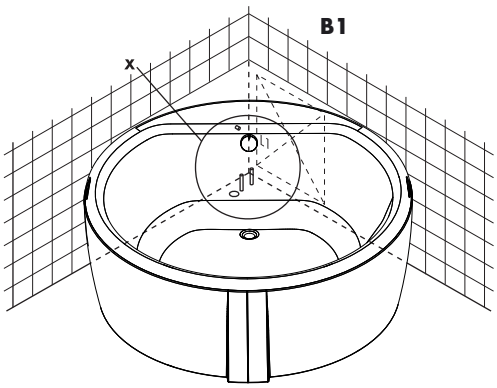


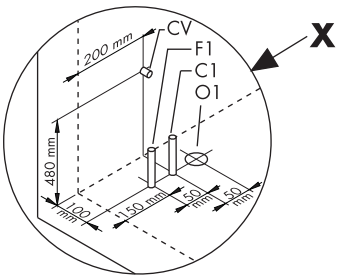












English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

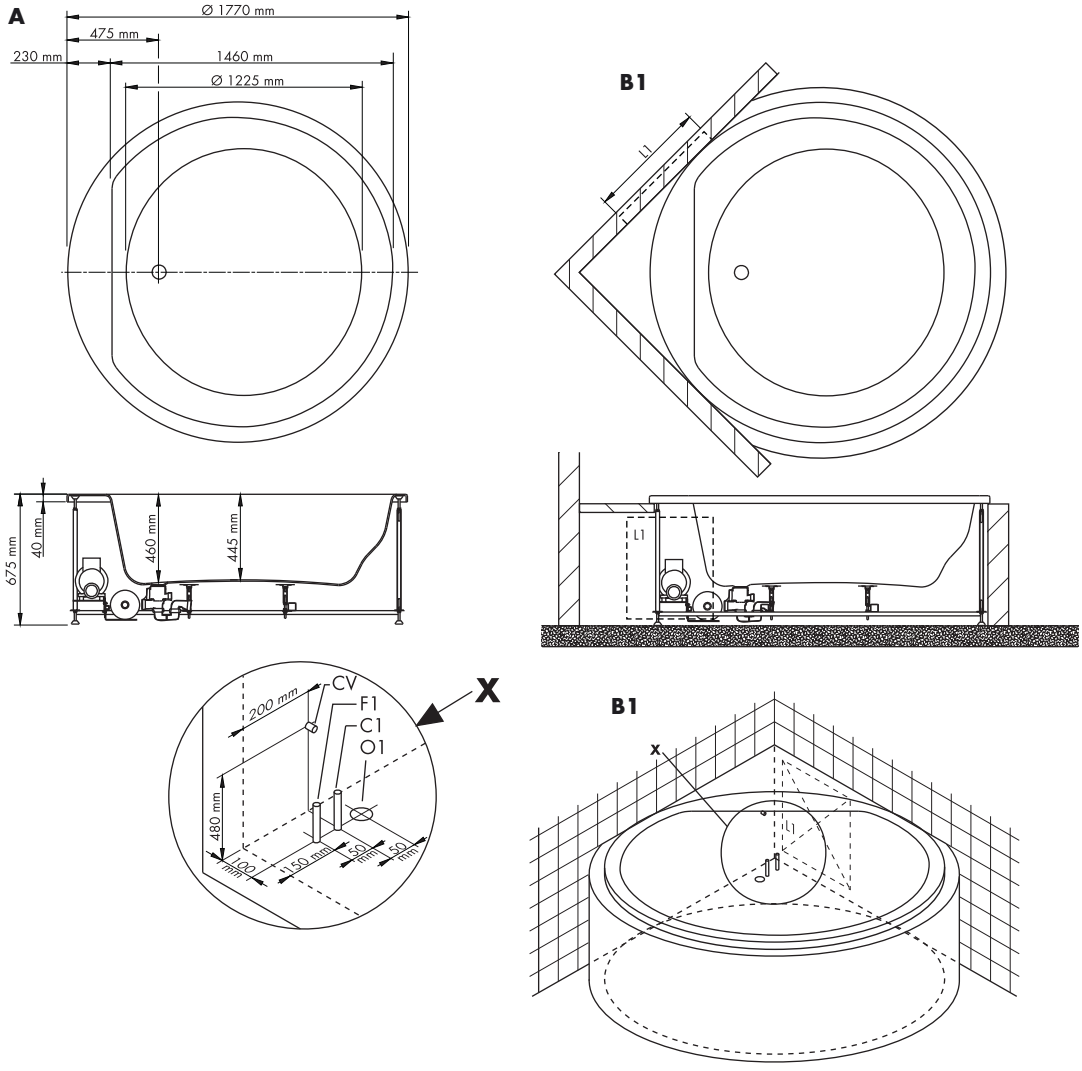
* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

The installation height changes in systems without Hydrofunction (675 -> 630 mm)!

Technical Data

Tub capacity*:	400 l
Tub capacity + 1 person (70 kg)*:	approx. 330l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5
Blower	
Max. connected load:	0,8 kW
Protection class:	IPX 5
Pump	
Max. connected load:	0,95 kW
Protection class:	IPX 5
Heating	
Max. connected load:	1,5 kW
Protection class:	IPX 5
Underwater lighting SELV	
Lamp:	12V / 20 W
Total power consumption:	**max.2940W**

* Tub capacity when filled to overflow



English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	390 l
Tub capacity + 1 person (70 kg)*:	approx. 320l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

Heating

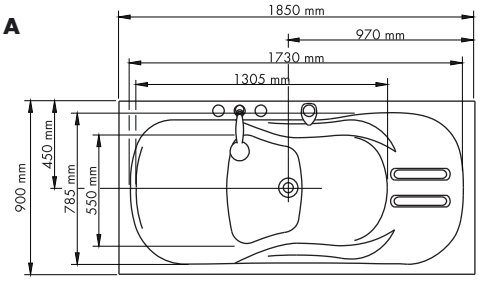
Max. connected load:	1,5 kW
Protection class:	IPX 5

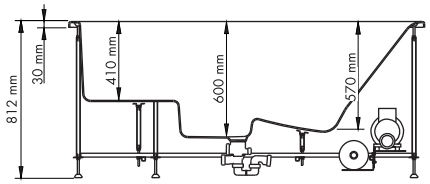
Underwater lighting SELV

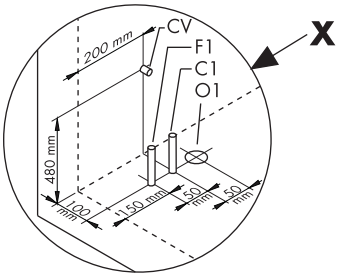
Lamp:	12V / 20 W
Total power consumption:	**max.2940W**

* Tub capacity when filled to overflow

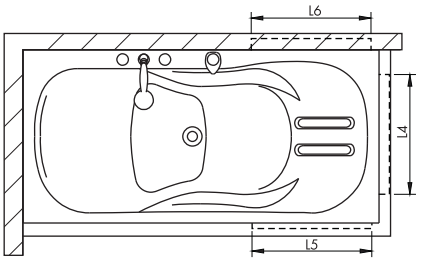
A

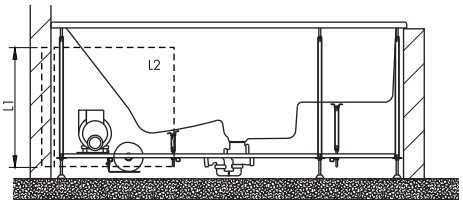




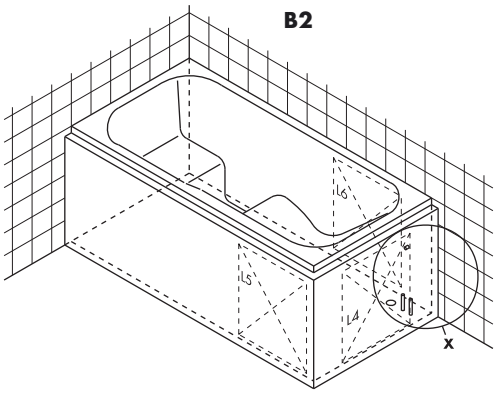


B2





B2



English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	316 l
Tub capacity + 1 person (70 kg)*:	approx. 246l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	0,8 kW
Protection class:	IPX 5

Pump

Max. connected load:	1,1 kW
Protection class:	IPX 5

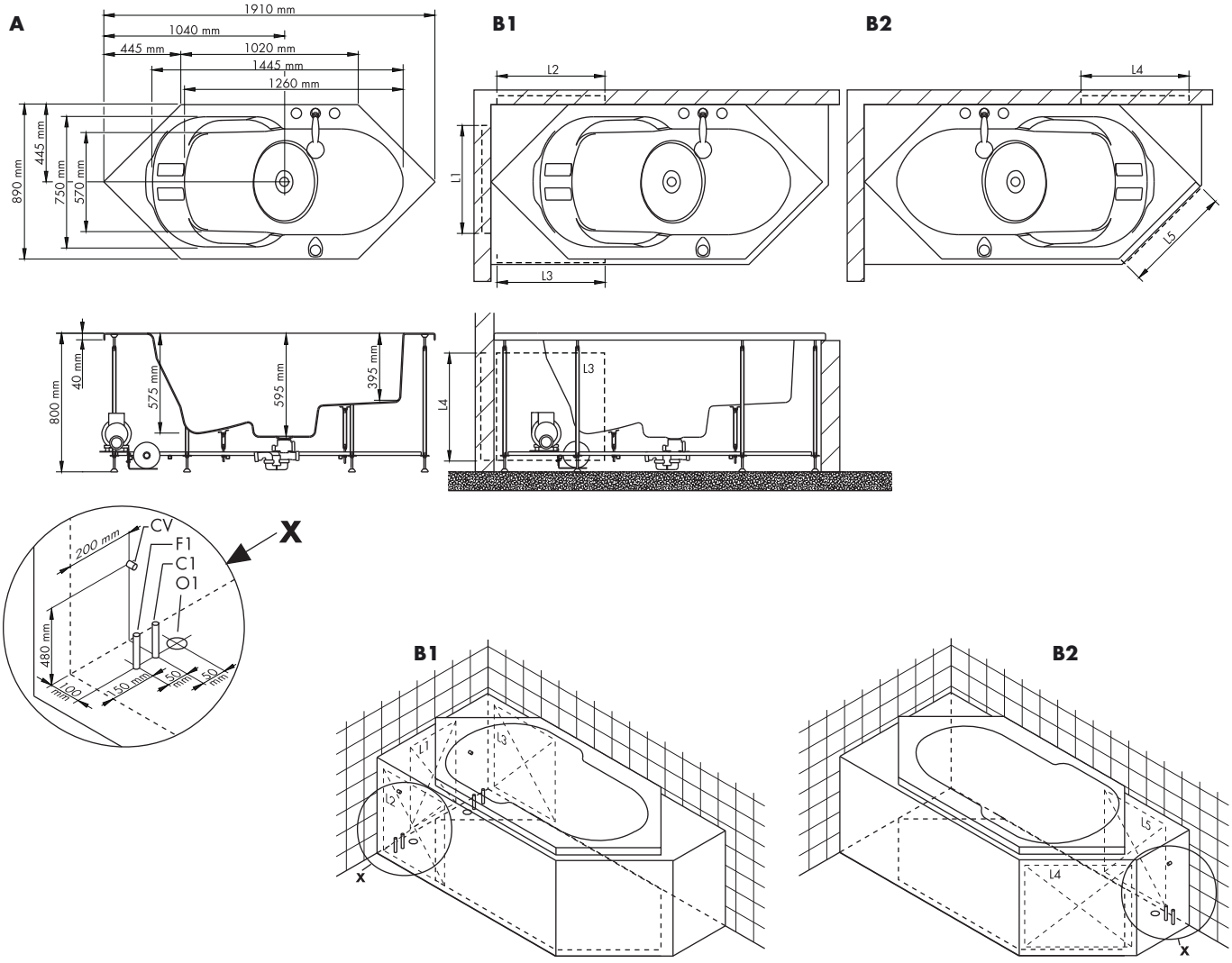
Heating

Max. connected load:	1,5 kW
Protection class:	IPX 5

Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max.2940W**

* Tub capacity when filled to overflow



English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	302 l
Tub capacity + 1 person (70 kg)*:	approx. 232l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	1,1 kW
Protection class:	IPX 5

Pump

Max. connected load:	0,8 kW
Protection class:	IPX 5

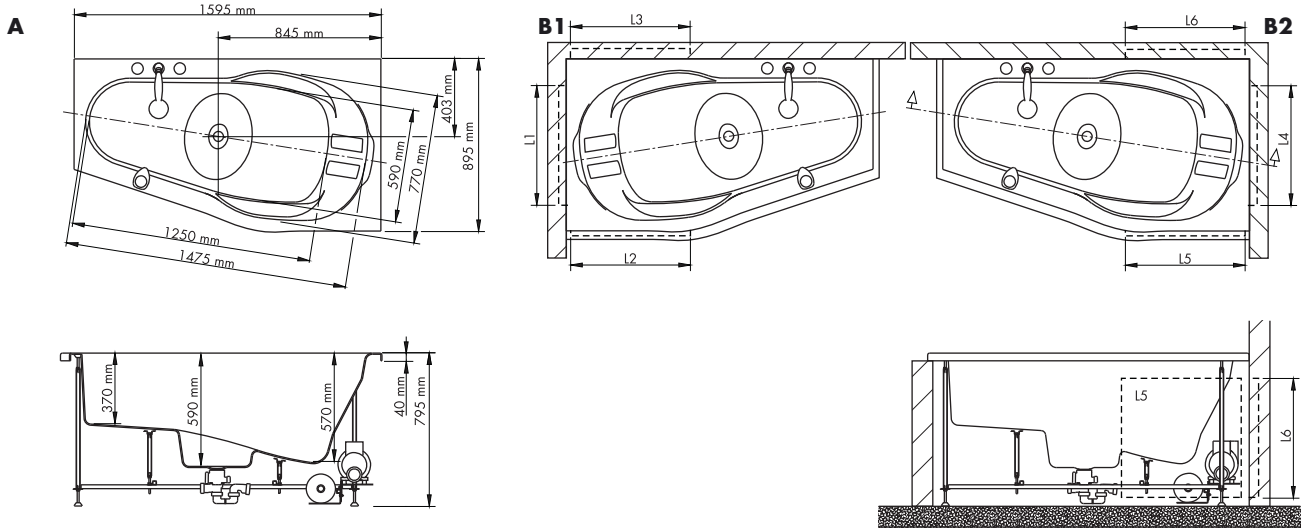
Heating

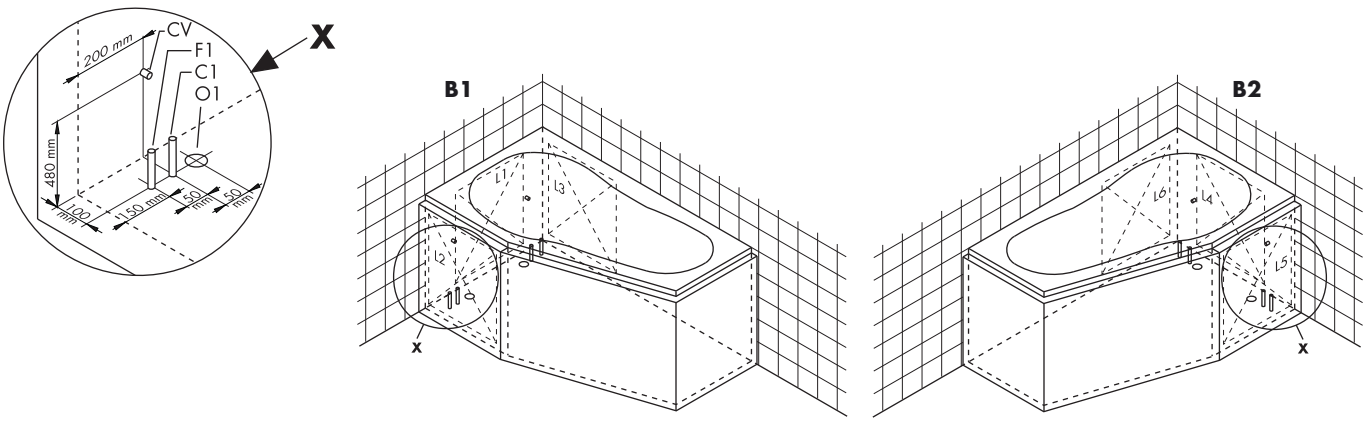
Max. connected load:	1,5 kW
Protection class:	IPX 5

Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max.2940W**

* Tub capacity when filled to overflow





English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	410 l
Tub capacity + 1 person (70 kg)*:	approx. 340l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	1,1 kW
Protection class:	IPX 5

Pump

Max. connected load:	0,8 kW
Protection class:	IPX 5

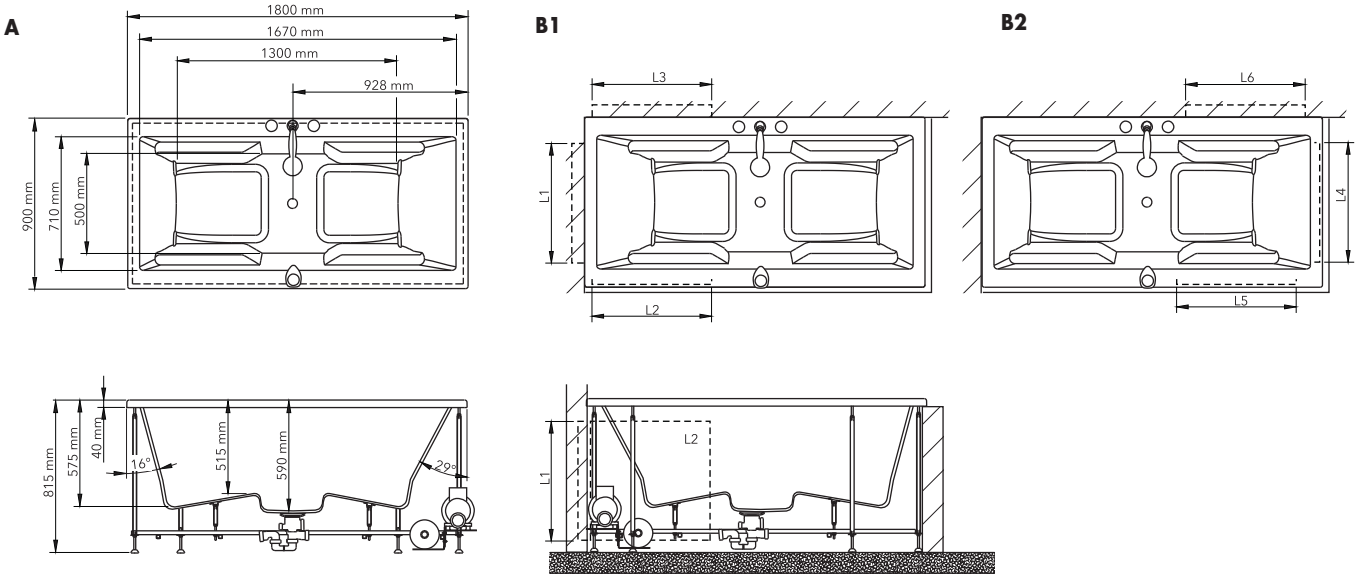
Heating

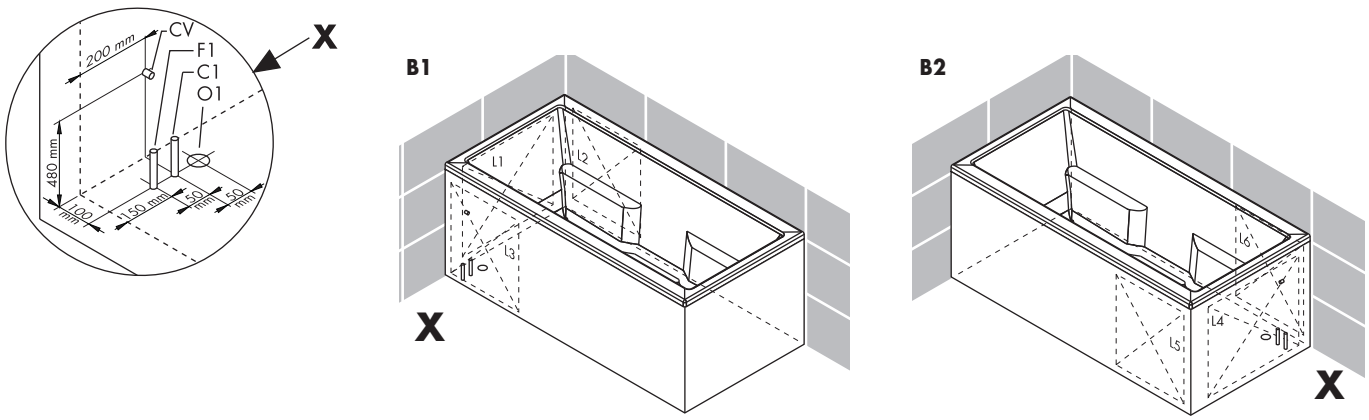
Max. connected load:	1,5 kW
Protection class:	IPX 5

Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max.3680W**

* Tub capacity when filled to overflow





English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	390 l
Tub capacity + 1 person (70 kg)*:	approx. 320l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	1,1 kW
Protection class:	IPX 5

Pump

Max. connected load:	0,8 kW
Protection class:	IPX 5

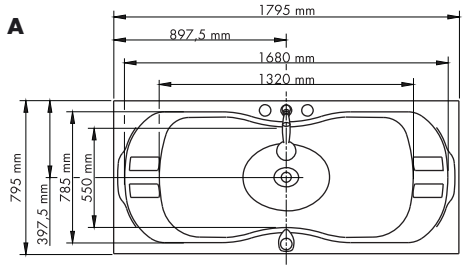
Heating

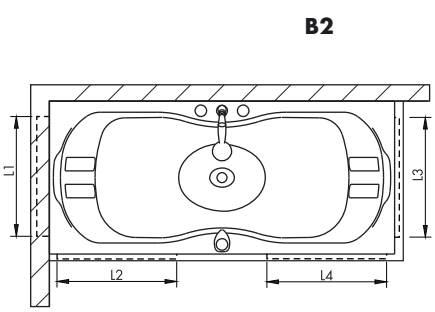
Max. connected load:	1,5 kW
Protection class:	IPX 5

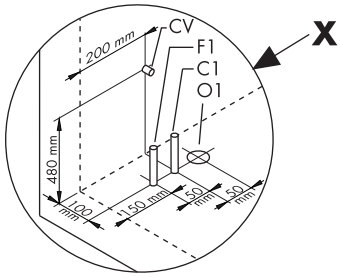
Underwater lighting SELV

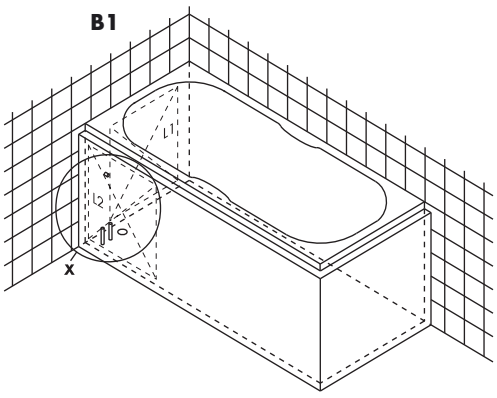
Lamp:	12V / 20 W
Total power consumption:	**max.2940W**

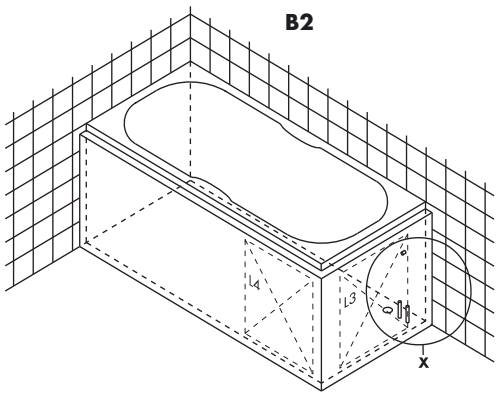
* Tub capacity when filled to overflow











English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	432 l
Tub capacity + 1 person (70 kg)*:	approx. 362l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	1,1 kW
Protection class:	IPX 5

Pump

Max. connected load:	0,8 kW
Protection class:	IPX 5

Heating

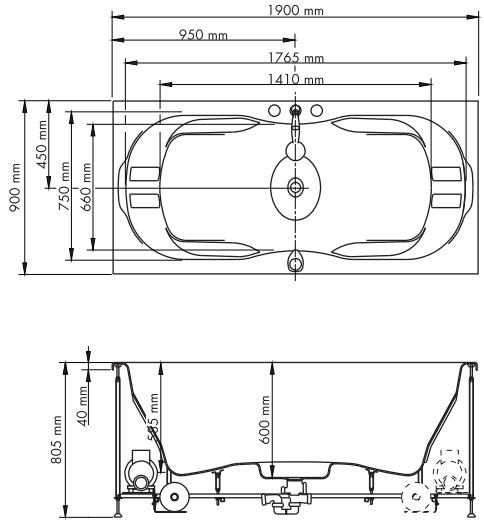
Max. connected load:	1,5 kW
Protection class:	IPX 5

Underwater lighting SELV

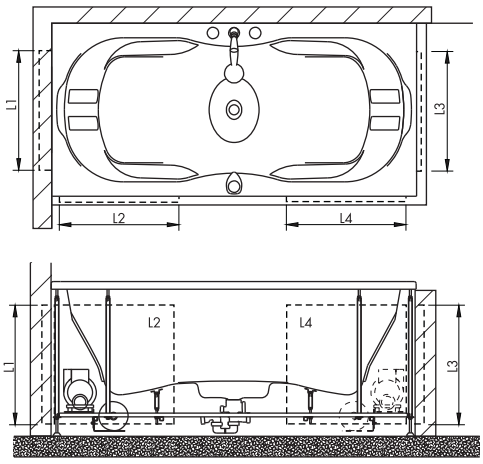
Lamp:	12V / 20 W
Total power consumption:	**max.3780W**

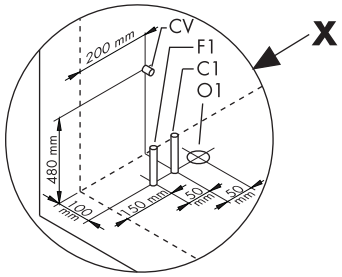
* Tub capacity when filled to overflow

A

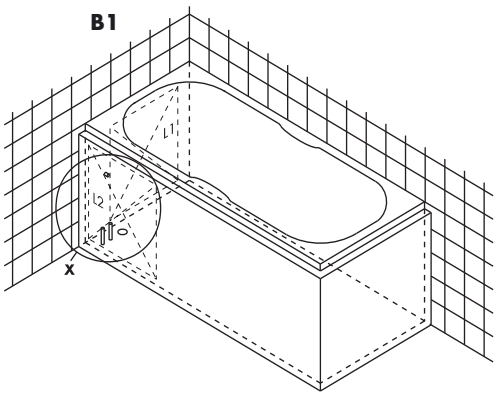


B1 **B2**

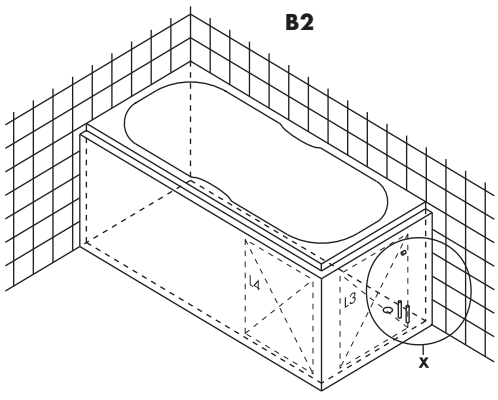




B1



B2



English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	460 l
Tub capacity + 1 person (70 kg)*:	approx. 390l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	1,1 kW
Protection class:	IPX 5

Pump

Max. connected load:	0,8 kW
Protection class:	IPX 5

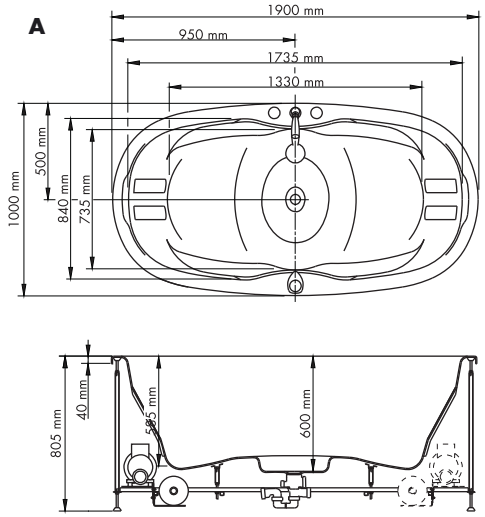
Heating

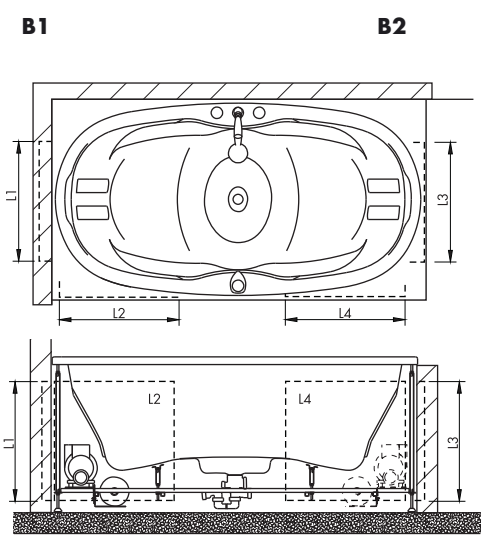
Max. connected load:	1,5 kW
Protection class:	IPX 5

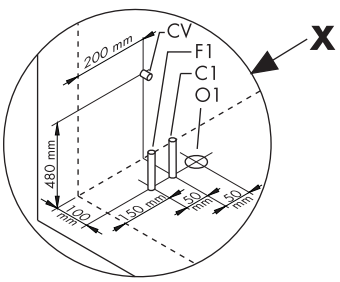
Underwater lighting SELV

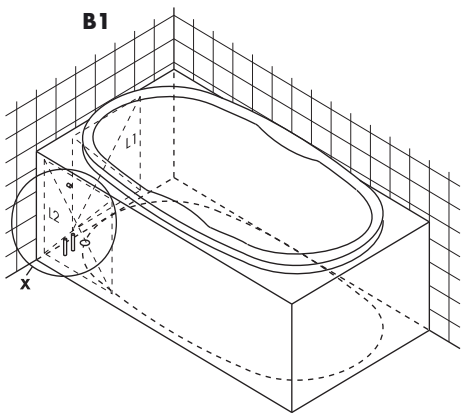
Lamp:	12V / 20 W
Total power consumption:	**max. 3780W**

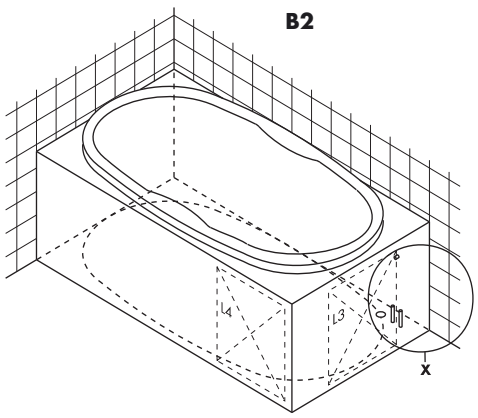
* Tub capacity when filled to overflow











English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	445 l
Tub capacity + 1 person (70 kg)*:	approx. 375l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	1,1 kW
Protection class:	IPX 5

Pump

Max. connected load:	0,8 kW
Protection class:	IPX 5

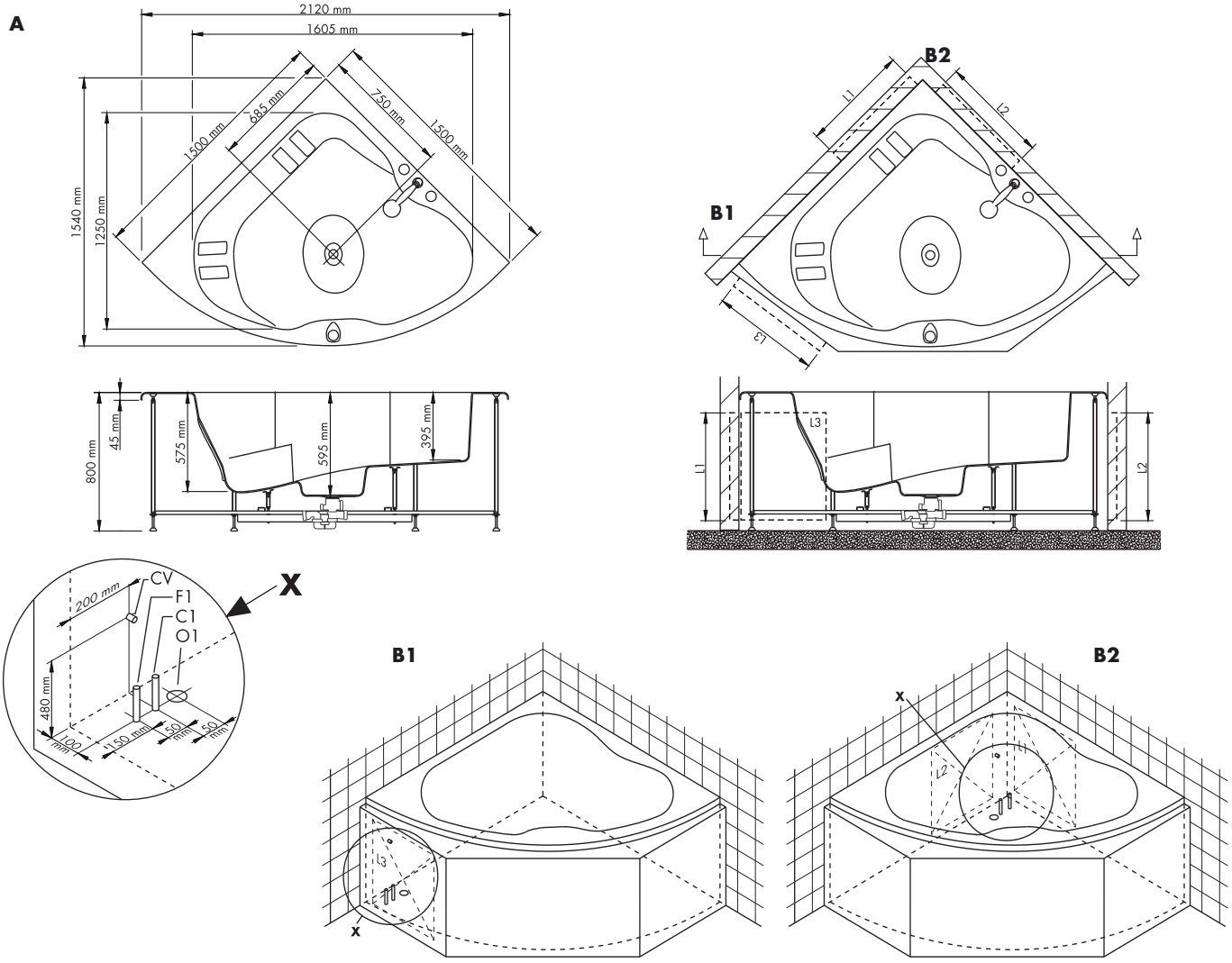
Heating

Max. connected load:	3 kW
Protection class:	IPX 5

Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max.5330W**

* Tub capacity when filled to overflow



English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	549 l
Tub capacity + 1 person (70 kg)*:	approx. 479l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	1,1 kW
Protection class:	IPX 5

Pump

Max. connected load:	0,8 kW
Protection class:	IPX 5

Heating

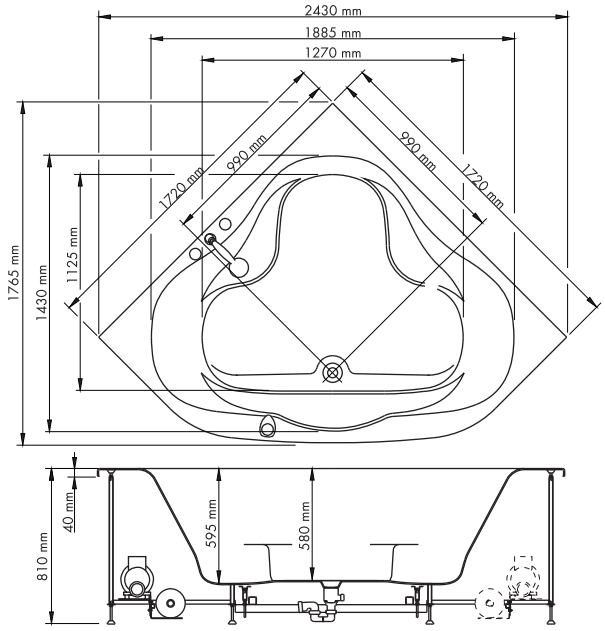
Max. connected load:	3 kW
Protection class:	IPX 5

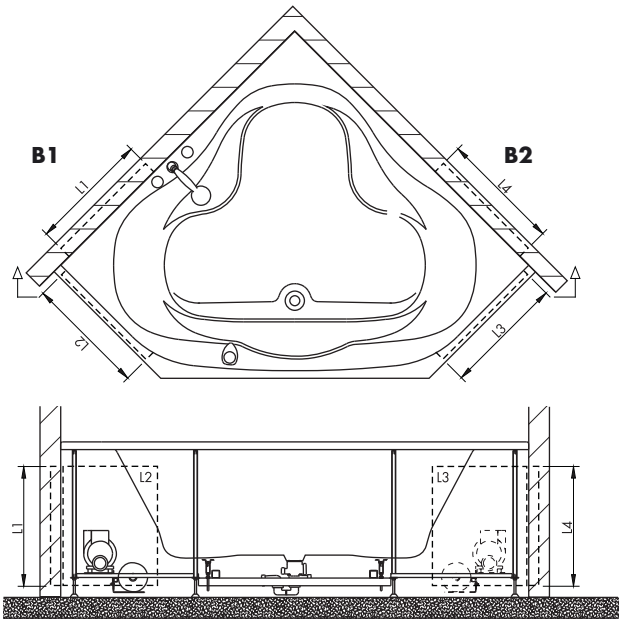
Underwater lighting SELV

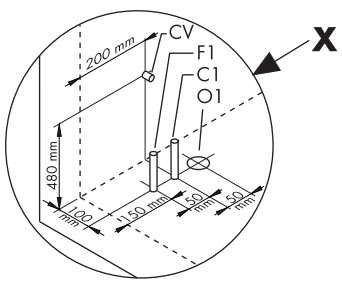
Lamp:	12V / 20 W
Total power consumption:	**max.5330W**

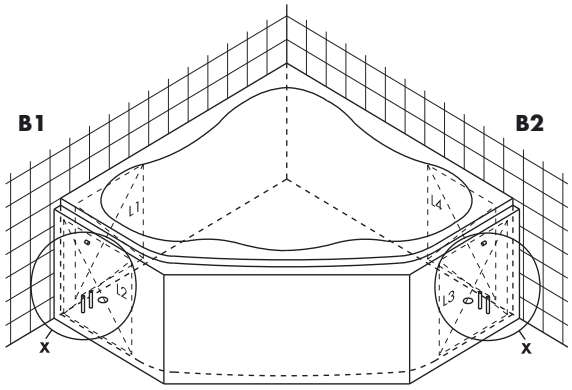
* Tub capacity when filled to overflow

A









English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	515 l
Tub capacity + 1 person (70 kg)*:	approx. 445l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	1,1 kW
Protection class:	IPX 5

Pump

Max. connected load:	0,8 kW
Protection class:	IPX 5

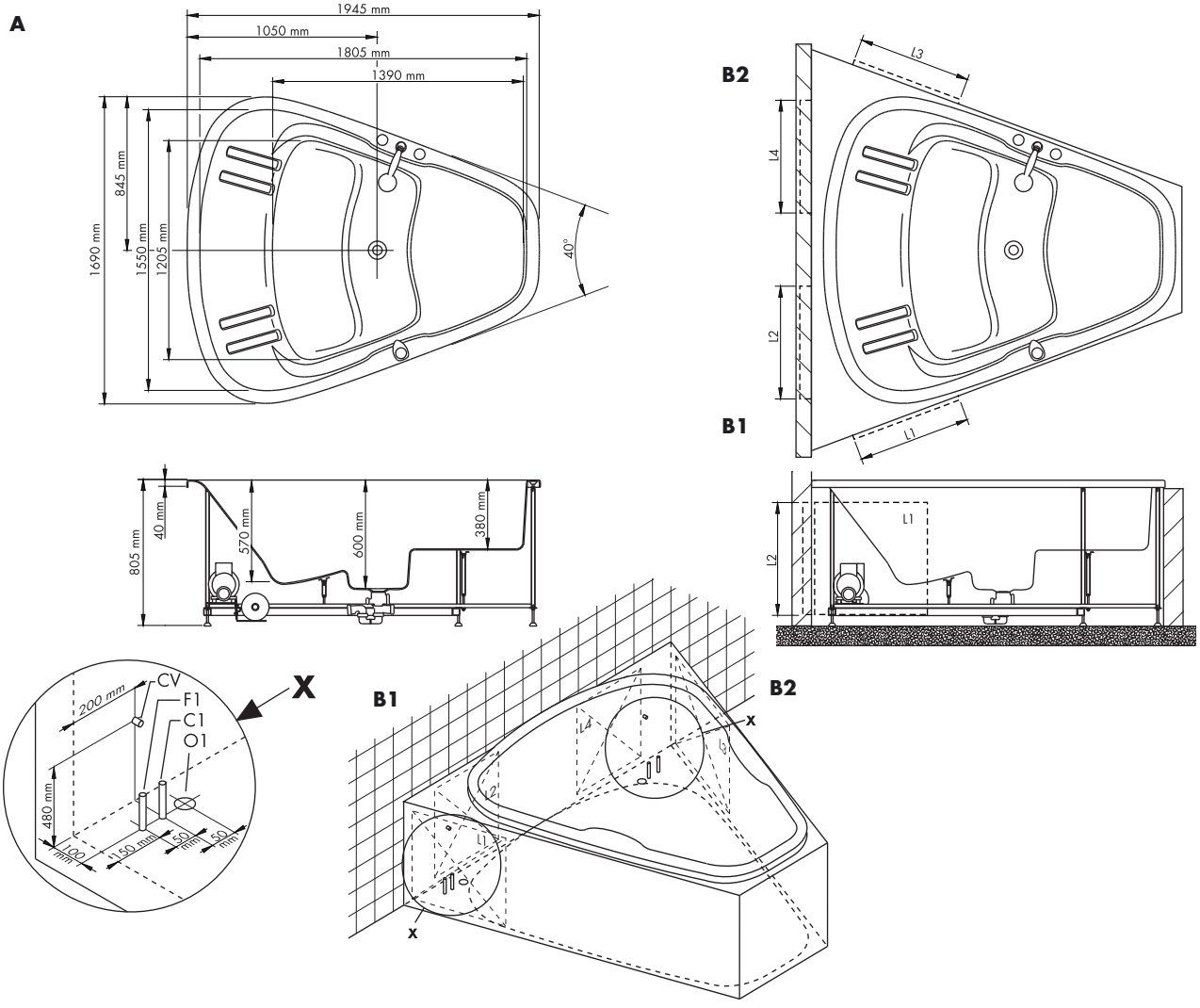
Heating

Max. connected load:	3 kW
Protection class:	IPX 5

Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max.5330W**

* Tub capacity when filled to overflow



English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	445 l
Tub capacity + 1 person (70 kg)*:	approx. 375l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	1,1 kW
Protection class:	IPX 5

Pump

Max. connected load:	0,8 kW
Protection class:	IPX 5

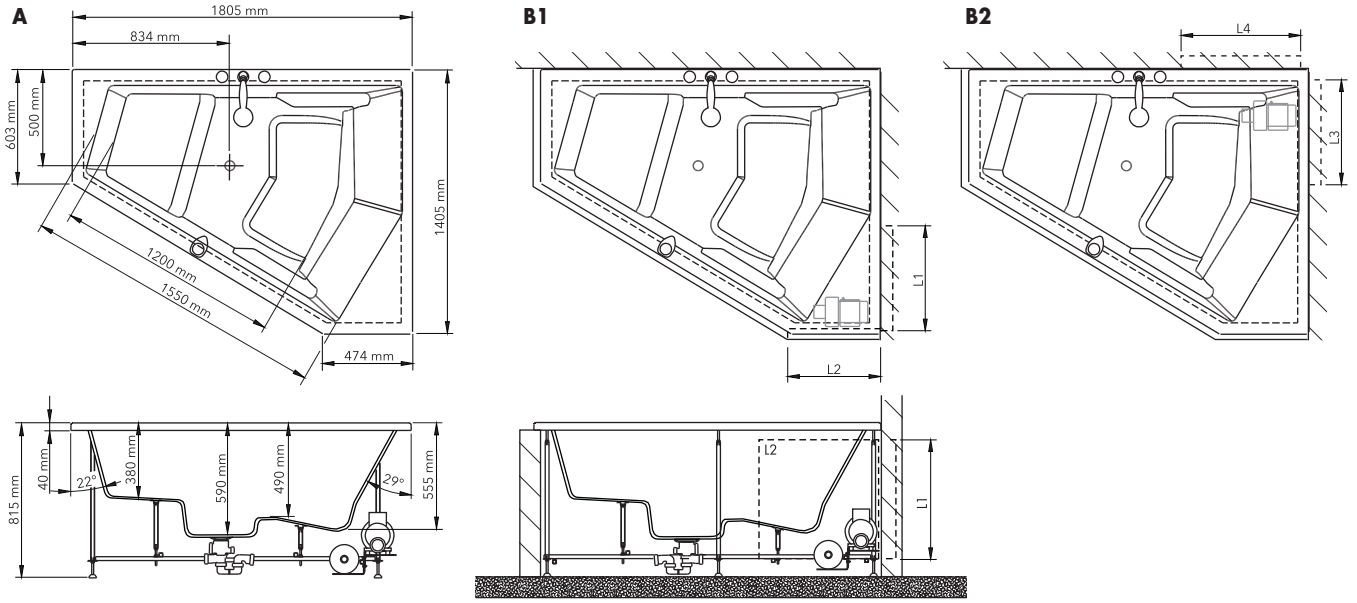
Heating

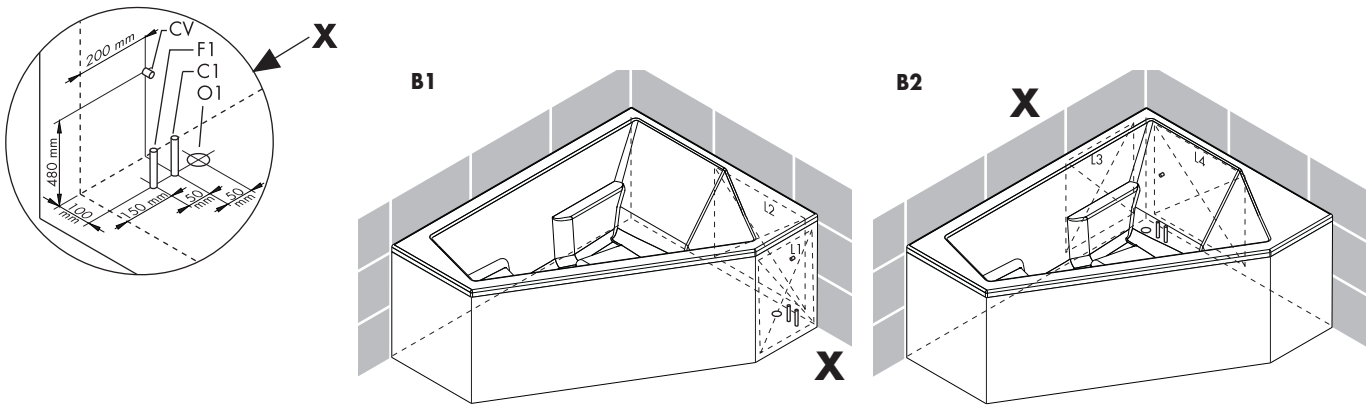
Max. connected load:	3 kW
Protection class:	IPX 5

Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max.5330W**

* Tub capacity when filled to overflow





English

Legend

A Bath tub dimensions
B1 service opening / left hand connection
B2 service opening / right hand connection
L1,2,3... service opening (dimensions 600x600mm)

O1 position for the water drainage DN 50 (upper rim of connection pipe flush with tub feet contact area)
C1 position for hot water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
F1 position for cold water connection DN 15 from the house water mains in case a bath mixer was installed on tub edge
CV position (wall outlet) for the electrical supply* and the earth cable connection**

* power max. ≤ 3kW: 3 adriges Kabel
power max. > 3kW: 4 adriges Kabel
** Cross-section at least 4 mm²

Technical Data

Tub capacity*:	445 l
Tub capacity + 1 person (70 kg)*:	approx. 375l
Cold water connection at the pool:	DN 15 G½ male thread
Hot water connection at the pool:	DN 15 G½ male thread
Drain:	DN 50
Control:	230V/50Hz
Protection class:	IPX 5

Blower

Max. connected load:	1,1 kW
Protection class:	IPX 5

Pump

Max. connected load:	0,8 kW
Protection class:	IPX 5

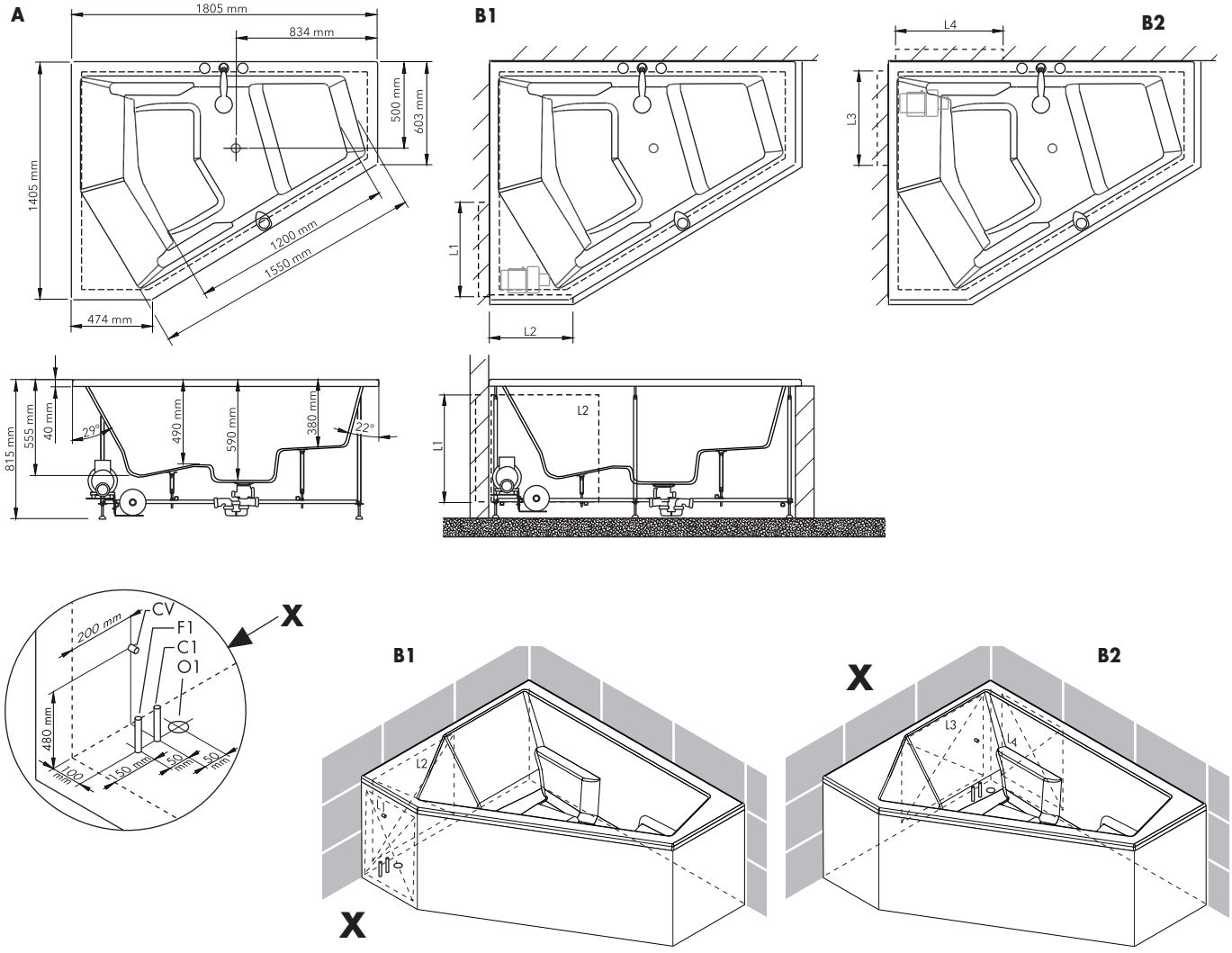
Heating

Max. connected load:	3 kW
Protection class:	IPX 5

Underwater lighting SELV

Lamp:	12V / 20 W
Total power consumption:	**max.5330W**

* Tub capacity when filled to overflow



English

Spa:
1 air jets
2 blower
6 Mini Poolmaster
7 waste / overflow combination (Flexaplus)
Option
7 bath filler /waste / overflow combination (Exafill)
10 light
11 bath filler
12 head-rest
13 hand grip
17 EasyWhirl (Spa)

Hydro:
3 water jets
4 pump
6 Mini Poolmaster
7 waste / overflow combination (Flexaplus)
Option
3 additional water jets
7 bath filler /waste / overflow combination (Exafill)
10 light
11 bath filler
12 head-rest
13 hand grip
14 aircontrol
18 EasyWhirl (Hydro)

Combi Comfort:
1 air jets
2 blower
3 water jets
4 pump
6 Mini Poolmaster
7 waste / overflow combination (Flexaplus)
Option
3 additional water jets
7 bath filler /waste / overflow combination (Exafill)
10 light
11 bath filler
12 head-rest
13 hand grip
14 aircontrol
17 EasyWhirl (Spa)
18 EasyWhirl (Hydro)

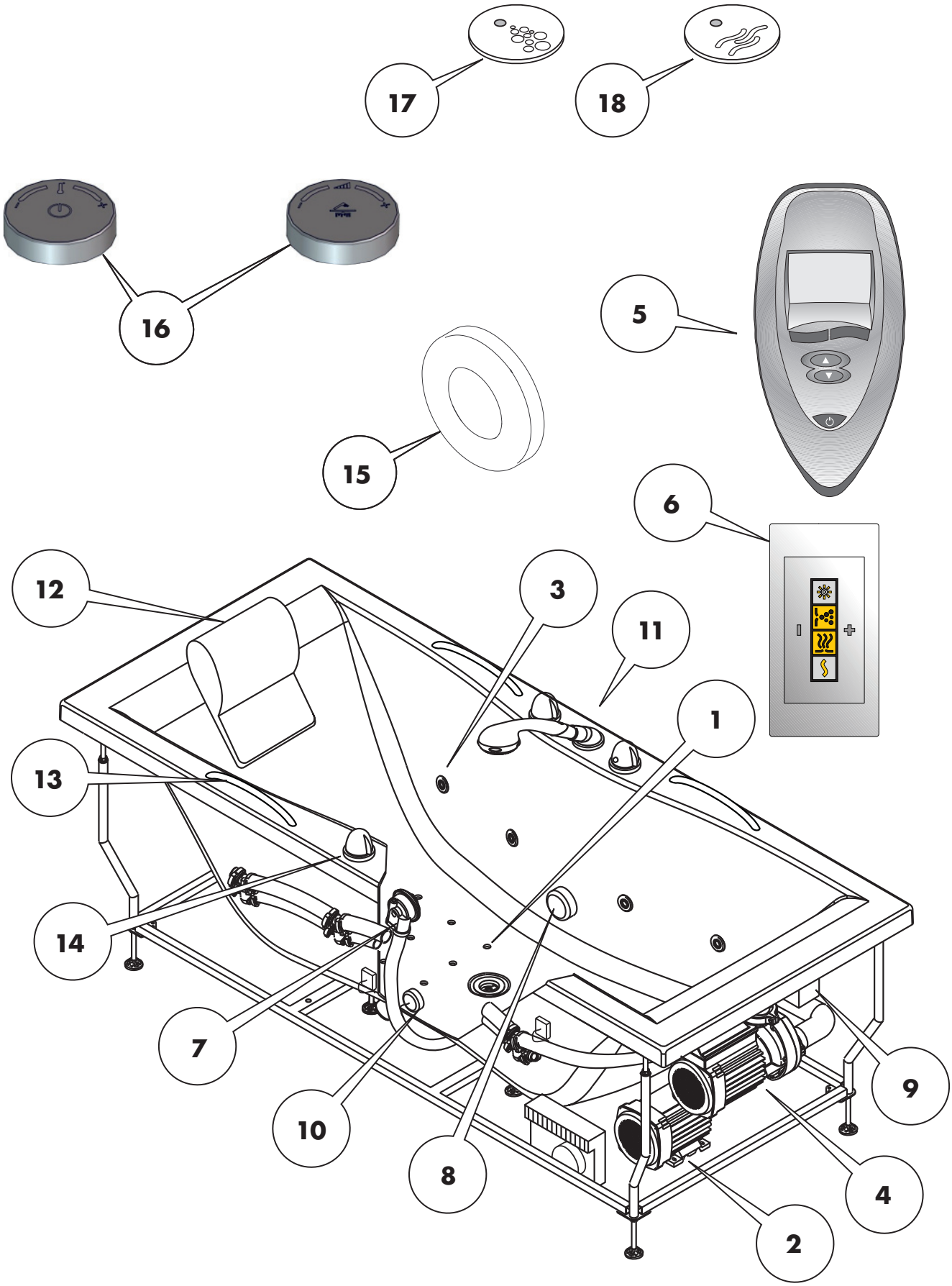
Combi DeLuxe:
1 air jets
2 blower
3 water jets
4 pump
5 Poolmaster
7 waste / overflow combination (Flexaplus)
whirlzones (not illustrated)
Option
3 additional water jets
7 bath filler /waste / overflow combination (Exafill)
9 heating 1,5 kW / heating 3 kW
10 light
11 bath filler
12 head-rest
13 hand grip

Combi Superior:
1 air jets
2 blower
3 water jets
4 pump
5 Poolmaster
7 waste / overflow combination (Flexaplus)
whirlzones (not illustrated)
SuperWhirl (not illustrated)
8 coloured light
Option
3 additional water jets
7 bath filler /waste / overflow combination (Exafill)
9 heating 1,5kW / heating 3kW
10 light
11 bath filler
12 head-rest
13 hand grip
15 LED light
16 Easyfill

Double DeLuxe:
1 air jets
2 blower
3 water jets
4 pump
5 Poolmaster
7 waste / overflow combination (Flexaplus)
whirlzones (not illustrated)
Option
3 additional water jets
7 bath filler /waste / overflow combination (Exafill)
9 heating 1,5 kW / heating 3 kW
10 light
11 bath filler
12 head-rest
13 hand grip

Double Superior:
1 air jets
2 blower
3 water jets
4 pump
5 Poolmaster
7 waste / overflow combination (Flexaplus)
whirlzones (not illustrated)
SuperWhirl (not illustrated)
8 coloured light
Option
3 additional water jets
7 bath filler /waste / overflow combination (Exafill)
9 heating 1,5kW / heating 3kW
10 light
11 bath filler
12 head-rest
13 hand grip
15 LED light
16 Easyfill

English



English

Important:

Check product for transport damage before installation!
Transport damage or surface defects will not be accepted after installation of the product!

Please assure before installation:

1. The floor's carrying capacity must correspond to a load of 300 kg/m².
2. The floor must be sufficiently leveled, i.e. it must be horizontal and even.
3. Flush the water supply circuits according to local regulations before installing.
4. Possition service hatches (min. 600 x 600 mm). Position service hatches so that parts such as blowers, pumps, valves, connector boxes and other connections and the water supply are always accessible and replaceable. Removable side panels are ideal, for more information please ask your local dealer for Cleopatra.
5. An air grid (only for whirlpool with air system) min. 150 cm² is mandatory. The air grid can be located in a neighbouring room. The air supply will be guaranteed without separat air gird if side panels for whirlpools were used.

Danger!

General:

- The main switch must be set to "OFF" during cleaning and maintenance works.
- Maintenance and adjustment works must be carried out by experts only.
- All service covers must be appropriately reinstalled after maintenance works.
- Any installed safety provisions or safety equipment may not be modified or removed.

Note:

The whirlpool's construction must not be changed. Only original components may be used.

Important:

Exafill
Caution! According to DIN EN 12764, a suitable safety device preventing backflow has to be installed by the customer. According to EN 1717 this must at least consist of a HP safety combination or according to DIN 1988 of a pipe interrupter A1 at the respectively correct installation height.

The bath inlet function is sealed off at the factory when the bath rim option is not fitted.

ATTENTION!

Do not use silicone containing acetic acid!
Acrylic or metal parts of the whirlpool can be damaged by the use of silicone containing acetic acid.
For the flexible seals between the elements we advise to use schimmelwerende silicone kit. Despite this, and dependant on circumstances, colorchanges in the kit can happen. If cleaning does not bring the wanted result, the seals have to be exchanged. Renewing is not within our warranty.

The tub must be cleaned thoroughly with the handshower befor using or testing the whirlpool functions!

Perform and record leak and commissioning test according to EN 12764.

Optional Accessories
Hand grip #21940XXX for safe entry into the whirlpool.

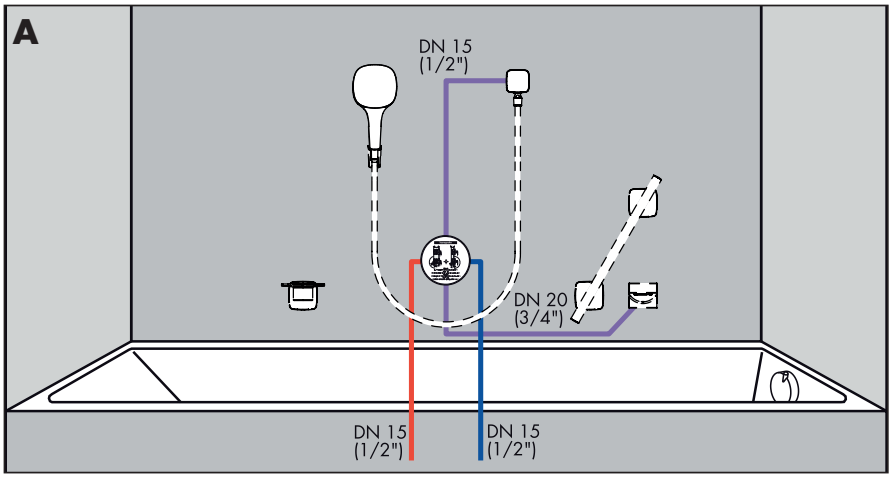
English

Important:

Safety against backflow of the whirlpool in compliance with EN 1717 / EN 61770

Installation example Fig. A

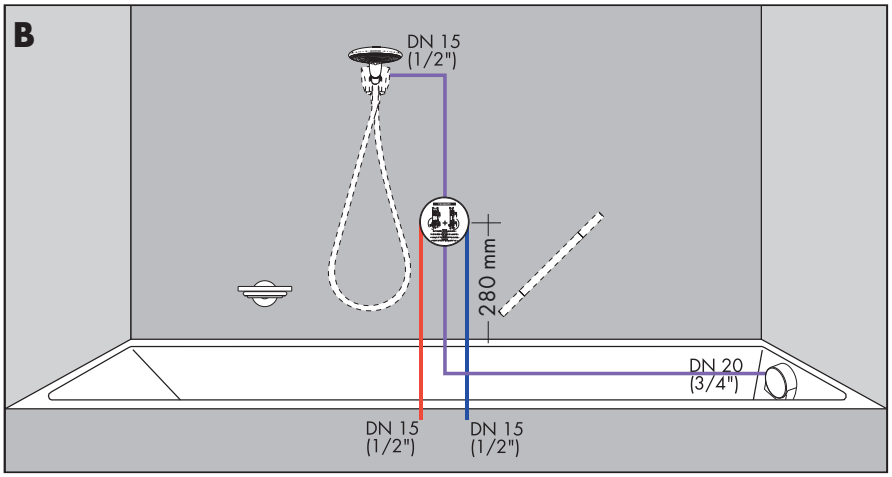
- Safety against backflow by free outlet, installation of a separate bath spout over the tub rim
- Safety against backflow of handshower by check valve in wall outlet



Installation example Fig. B

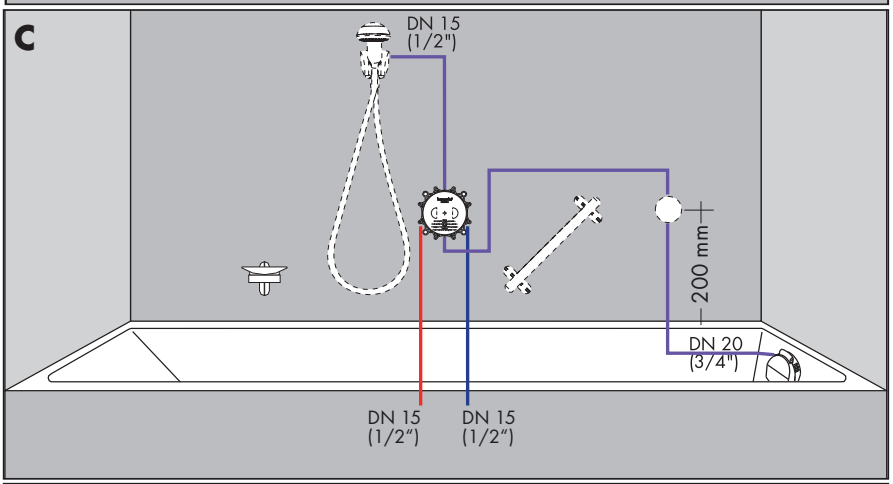
- Safety against backflow by iBox universal + bath-shower mixer with integrated safety combination*
- Installation height min. 280 mm midle of iBox universal til top edge of bath rim

* Integrated safety combination = 1 check valve + 1 vacuum breaker in series (in flow direction); check valve additionally secures the hand shower



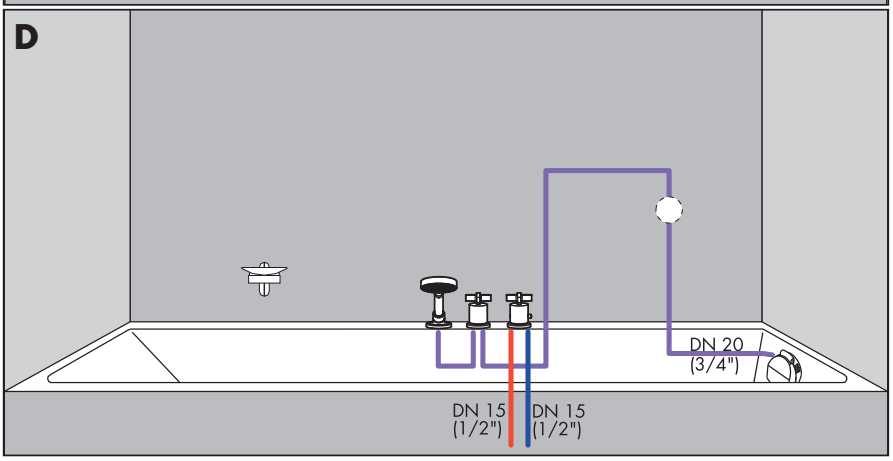
Installation example Fig. C

- Safety against backflow by iBox universal + thermostatic mixer or single lever mixer finish set and an external vacuum breaker
- Installation height min. 200 mm lower edge of air inlet opening of the vacuum breaker til top edge of bath rim
- Safety against backflow of handshower by check valve in wall outlet



Installation example Fig. D

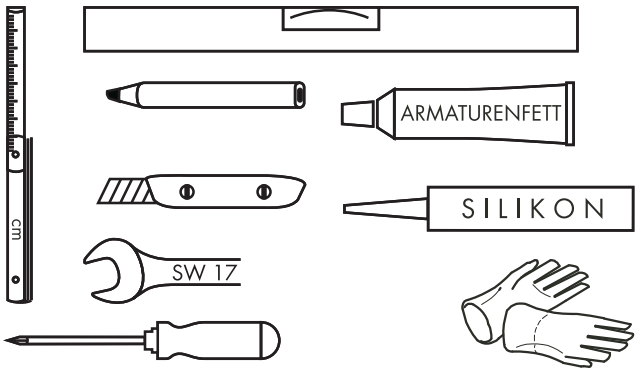
- Safety against backflow by rim mounted thermostatic bath mixer in combination with Exafill and an external vacuum breaker
- Installation height min. 200 mm lower edge of air inlet opening of the vacuum breaker til top edge of bath rim
- Safety against backflow of handshower by check valve in the Secuflex connection (extractable handshower)



English

The following tools and accessories are required for installation:

- Spirit level
- Pocket rule
- Pencil and punch
- Water pump pliers
- Wrench set (SW 17)
- Crosstip screwdriver
- Hammer (small fitter's hammer)
- Fittings grease
- Silicone (free of acetic acid)
- Knife
- Gloves



Installation example, Fig. A
Walled in whirlpool installation
Ventilation and service are ensured by an opening in the neighbouring room (1) or in the tub enclosure (2).

Note:

Do not connect the thermostat with flexible pressure hoses!

Installation example, Fig. B
Laid on whirlpool installation
Ventilation ensured by ventilation hatch (3).
Service possible by lifting out the complete whirlpool.

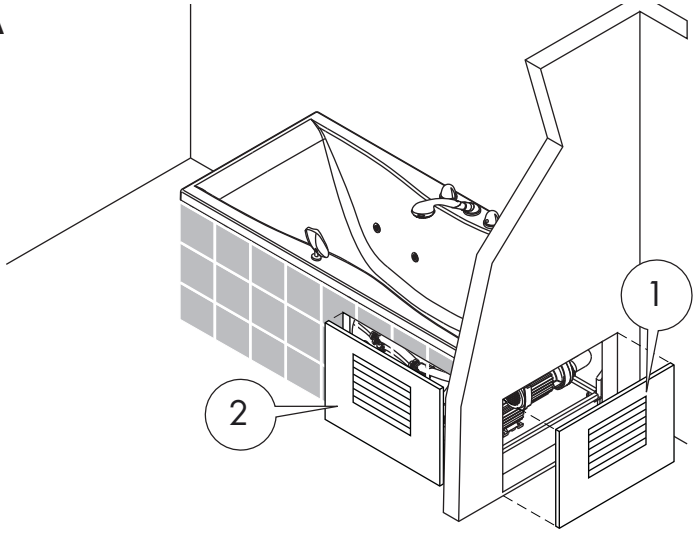
Note:

- Make sure during the installation that the connections (electricity, water, drain) can be connected and disconnected through the ventilation hatch (3)!
- It must be possible to disconnect the attachment points through the ventilation hatch (3).
- It must be possible to lift out the complete whirlpool upward out of the embedding for service purposes! Caution when installing the whirlpool under a pitched roof!
- The tub must be sealed at the edge (4) with silicone (free from acetic acid).

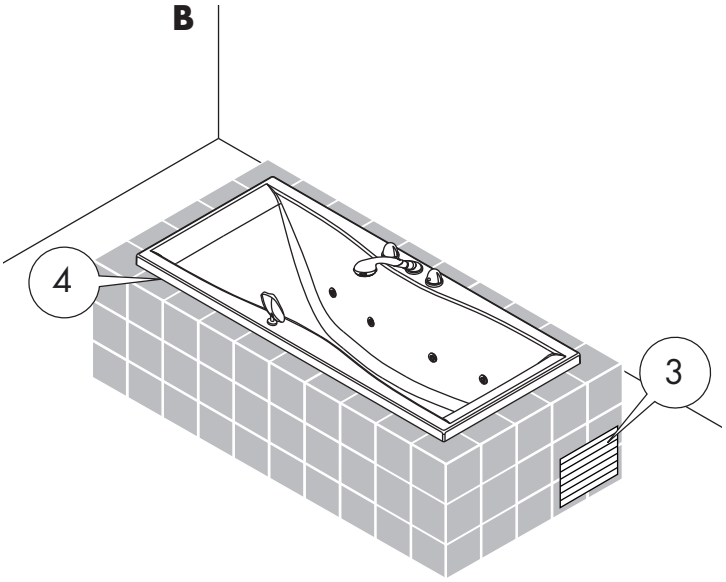
Note:

If the tub is walled in or otherwise enclosed, a safety hatch must be present in the lower area of the enclosure according to the EN 60335-1 regulations so that, when a leak occurs under the tub, the water can be seen to flow away. The bottom edge of the safety opening must be 20 mm below the electrical assemblies of the whirlpool tub (Fig. C)!

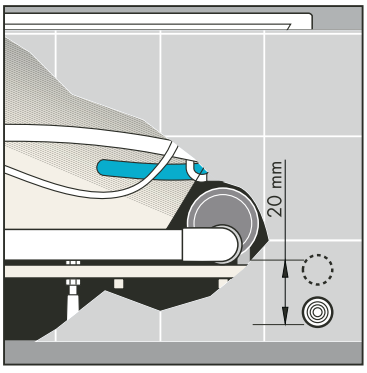
A



B



C



English

Installation:

Attention!

Two people are required to install the whirlpool!

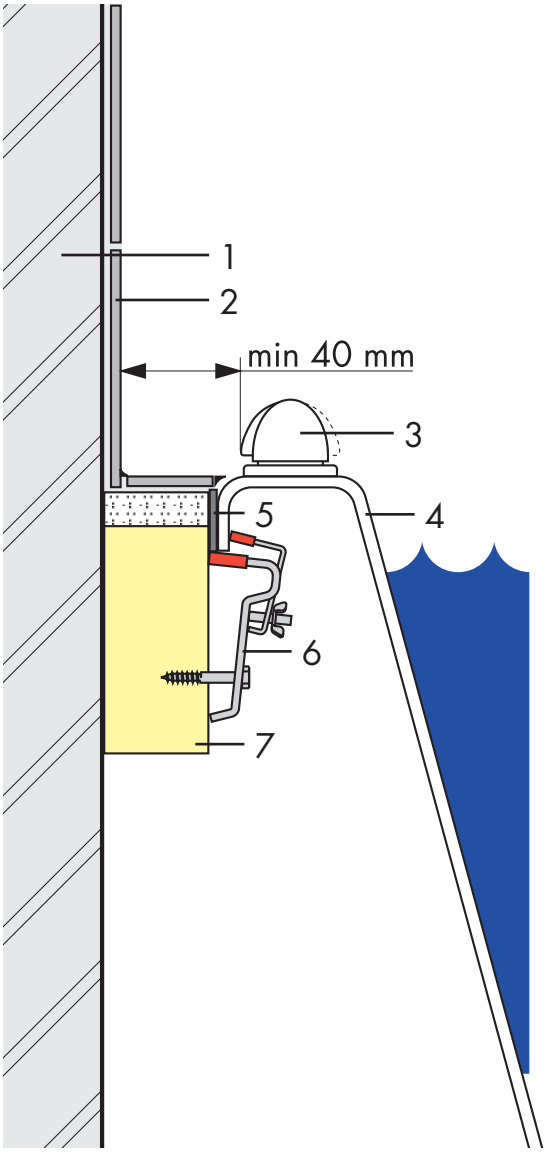
Note:

- Always lift the whirlpool by the frame or the tub rim!
- Drain, jets, etc. have to be saved by a protection mat
- Make sure that no ammonia or other aggressive materials are applied to the installed parts when cleaning the tiles. Gold-coloured parts in particular are very vulnerable.
- Transport the whirlpool to the installation position and carefully remove the packaging.
- The bath tub edge must be fully substantiated or equivalent mounted with wall anchors (not part of delivery).

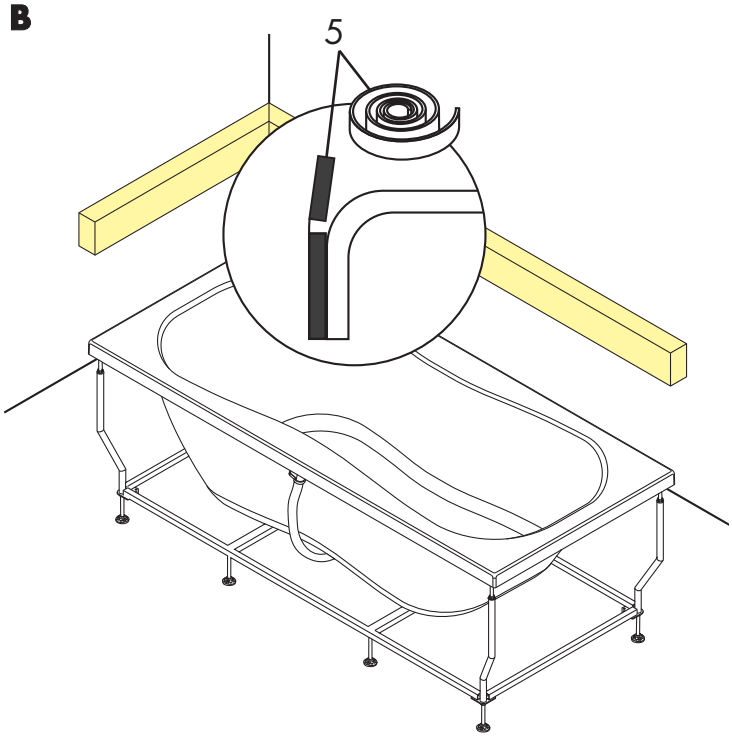
Fig. A:
1 wall
2 tiles
3 bath filler (handle)
Distance between handle and wall must be at least 40 mm!
4 tub
5 sound insulation tape (not part of delivery)
6 wall anchor (not part of delivery)
7 substructure

Fig. B:
Attach sound insulation tape (5) to the tub edge with contact to the wall.

A



B



English

Fig. C:
Place whirlpool in it's final position and check the alignement with the spirit level. As necessary re-adjust the tub feets. Tighten the locking nuts (SW 17) at the tub feets.
Draw lower bath tub edge and replace it.

Fig. D:

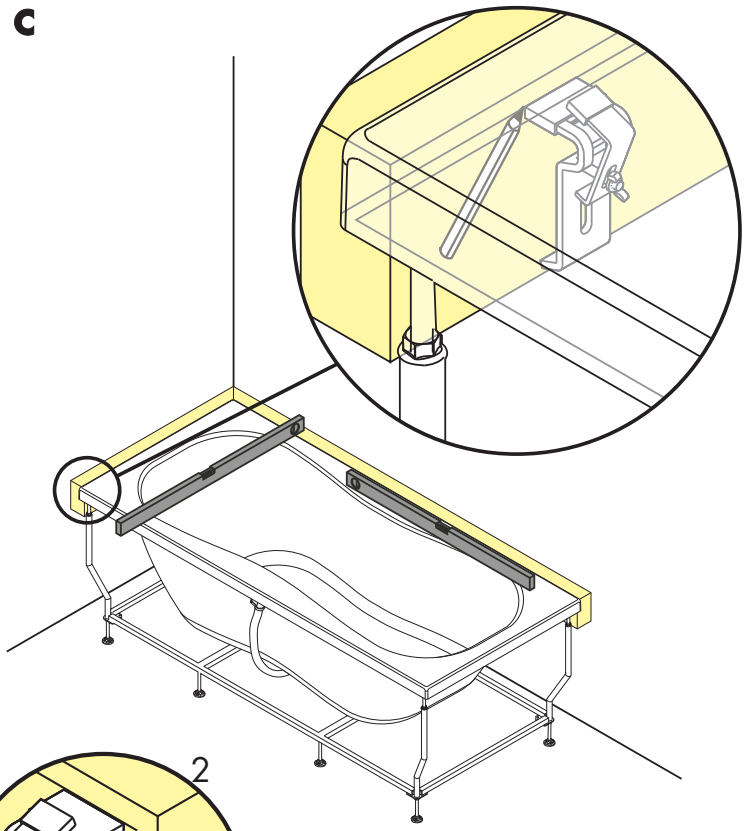
a) The wall anchors with clamping yoke (1 and 2) are mounted at the outer ends of the tub.
The distance to the outer ends of the tub should be 50 -70 mm or should be voted so that the clamping yokes can be adjusted comfortably after establishing the tub.
The wall anchors without clamping yoke (3) is mounted at the edge.

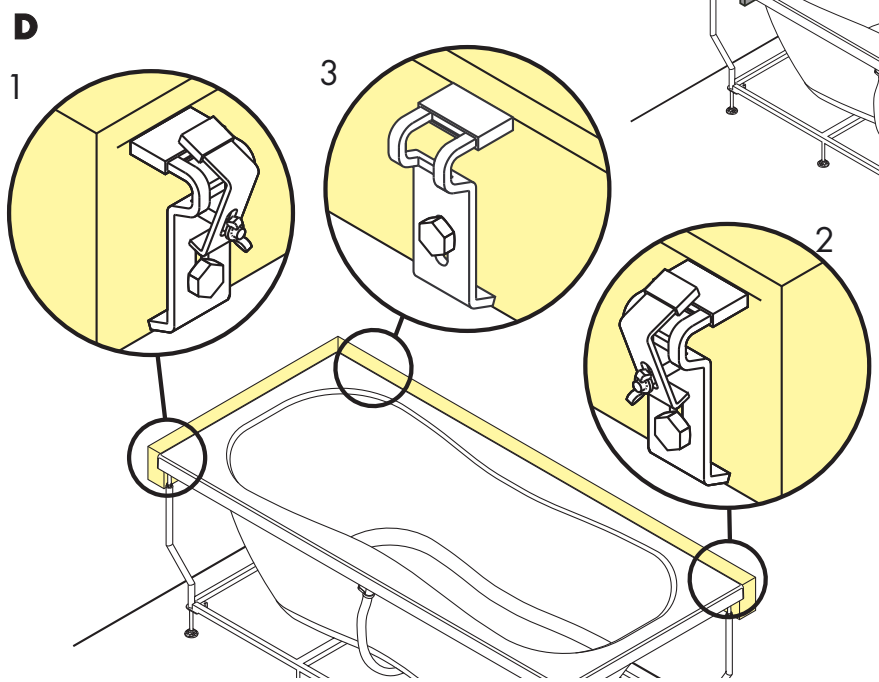
b) After mounting of the wall anchors establishing the tub and check the alignement again.

c) Unsrew wing nut at the wall anchor, presseing up clamping yoke and tighten wing nut (see Fig. A / tub installation).

without figure
Connect drain to the prepared drain connection DN 50.

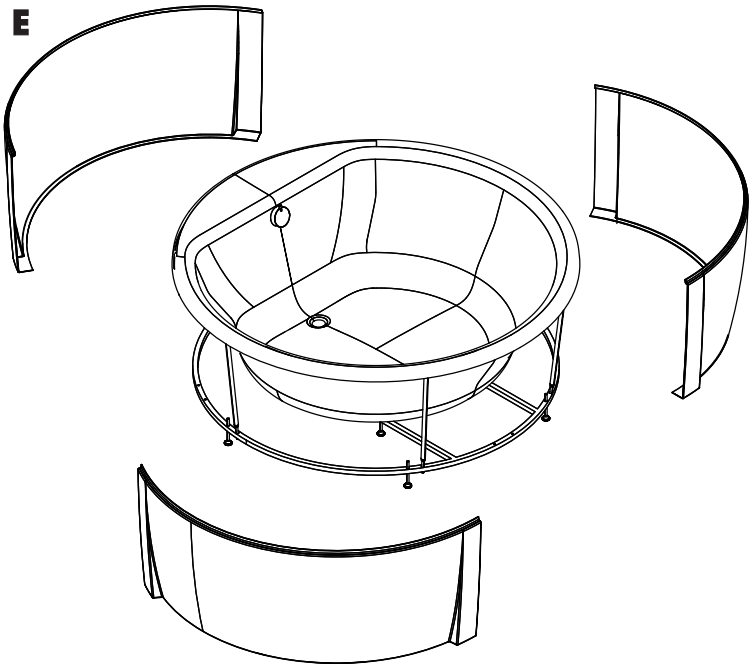
without figure
Flush through the supply pipes DN15 according DIN Norms. Connect bath rim thermostatic mixer to supply pipes with with shut-off isolation angled valves.





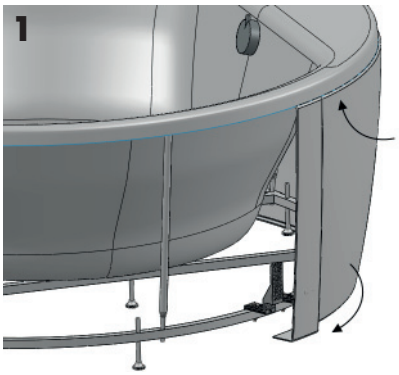
English

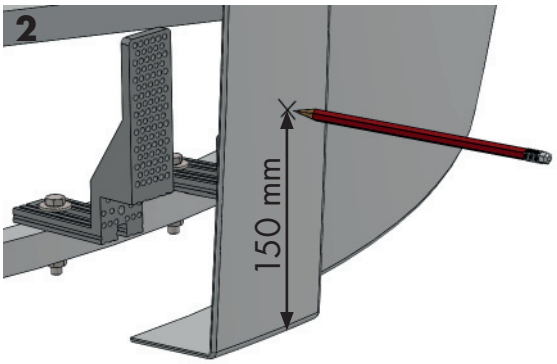
Fig. E: Lugano 335
Place whirlpool in it's final position and check the alignement with the spirit level. As necessary re-adjust the tub feets. Tighten the locking nuts (SW 17) at the tub feets.

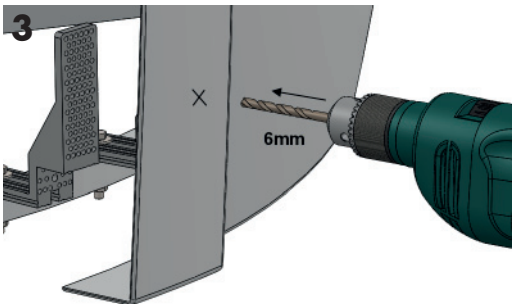


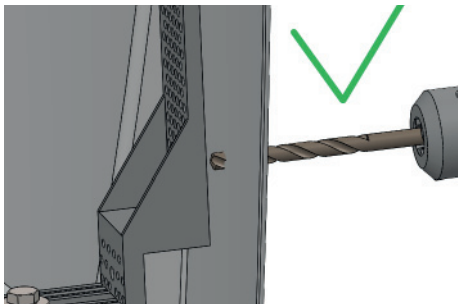
Tub skirt installation

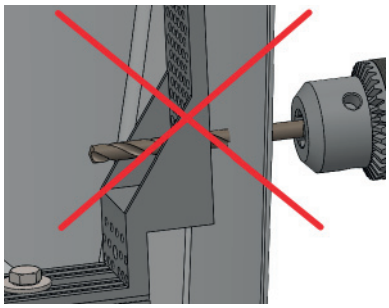
1. Place tub skirt in it's final position
2. Marking (approx. 150 mm above the floor)
3. Hole drilling (Ø 6 mm), take care not to damage the support of the whirlpool.
4. Fix the tub skirt with screws and assemble the screw-caps.

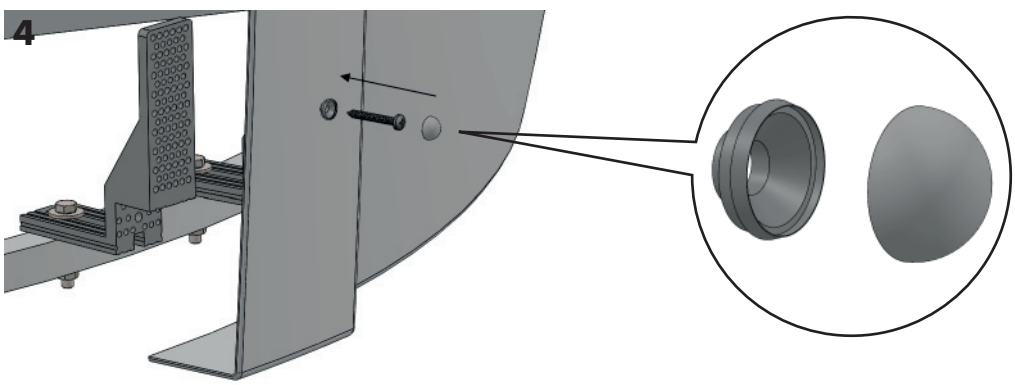










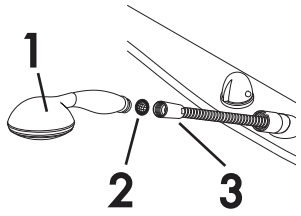


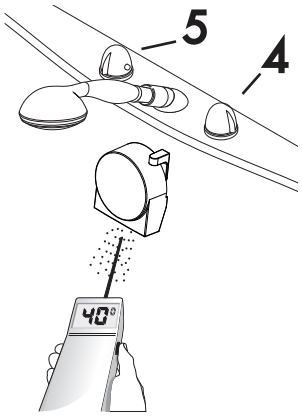
English

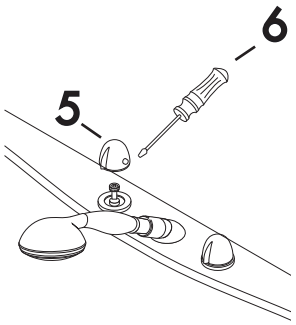
Installation of hand shower (option)

Connect shower hose (1) with filter packing (2) to hand shower (3).
Open the valve with the handle (4) and adjust the temperature to 40°C with the thermostat grip (5).
Losen screw in thermostat handle remove handle and push on the thermostat handle points to the tub. Tighten the screw in the grip with a screwdriver.

Before covering the tub fill it with water up to the overflow. Perform leak test and test the functions!







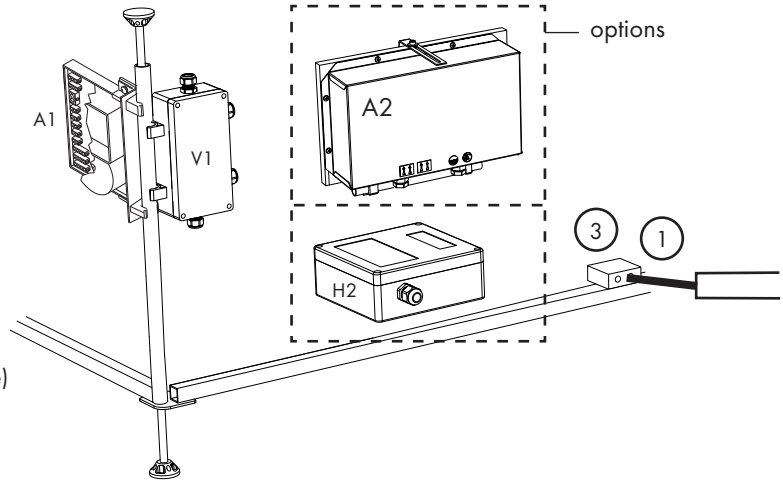
English

Mini Poolmaster Combi Comfort

V1: EMC Filter
A1: Electronic connection

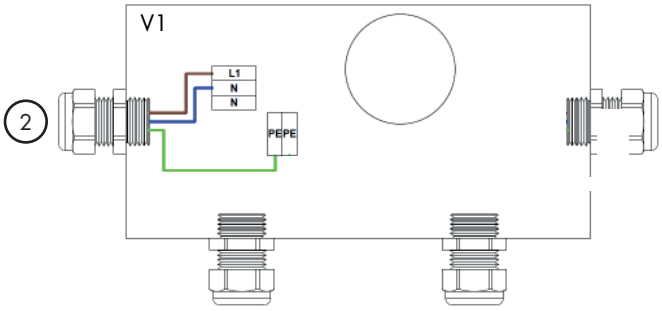
Options:
A2: Easyfill
or
H2: Colourlight basic

(1): Earthing cable (BC 4mm²)
(2): Electrical supply lines
(4): Electrical connection to basic control (pre-fitted on frame)



Electrical connection

a) Connect the whirlpool to the power supply 230V 1N 50Hz (2) with a three-wire cable. The connection is made in the EMC filter (V1).
b) Connect the earthing cable BC 4mm² (1) to the terminal strip (3).

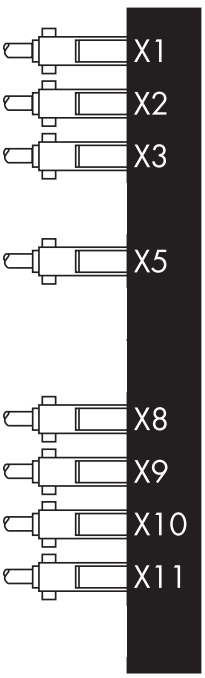


A1: Electronic connection

Pin assignment of control

X1: Blower
X2: Connection 230V 1N 50Hz
X3: Water pump
X5: White light LED
X8: Not used
X9: Mini Poolmaster control element
X10: Bottom level water sensor
X11: Top level water sensor

A1



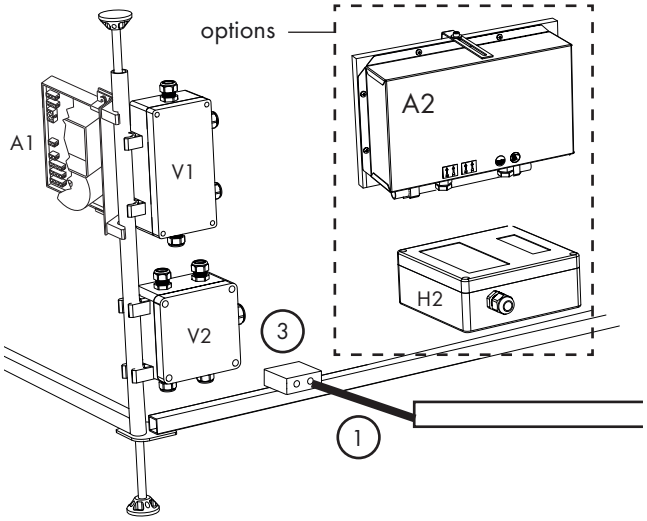
English

Mini Poolmaster Combi Comfort

V1: EMC Filter
V2: Distributing box
A1: Electronic connection

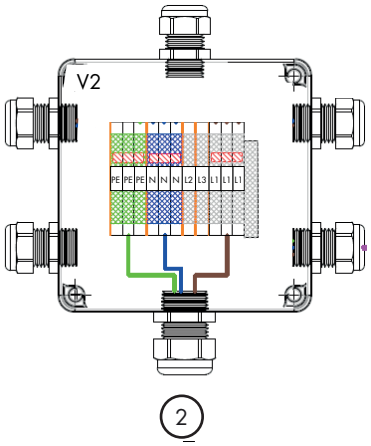
Options:
A2: Easyfill
and
H2: Colourlight basic

(1): Earthing cable (BC 4mm²)
(2): Electrical supply lines
(4): Electrical connection to basic control (pre-fitted on frame)



Electrical connection

a) Connect the whirlpool to the power supply 230V 1N 50Hz (2) with a three-wire cable. The connection is made in the distributing box (V2).
b) Connect the earthing cable BC 4mm² (1) to the terminal strip (3).



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Pin assignment of control

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X2: Connection 230V 1N 50Hz
X3: Water pump
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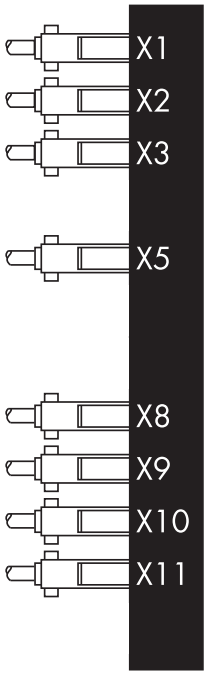
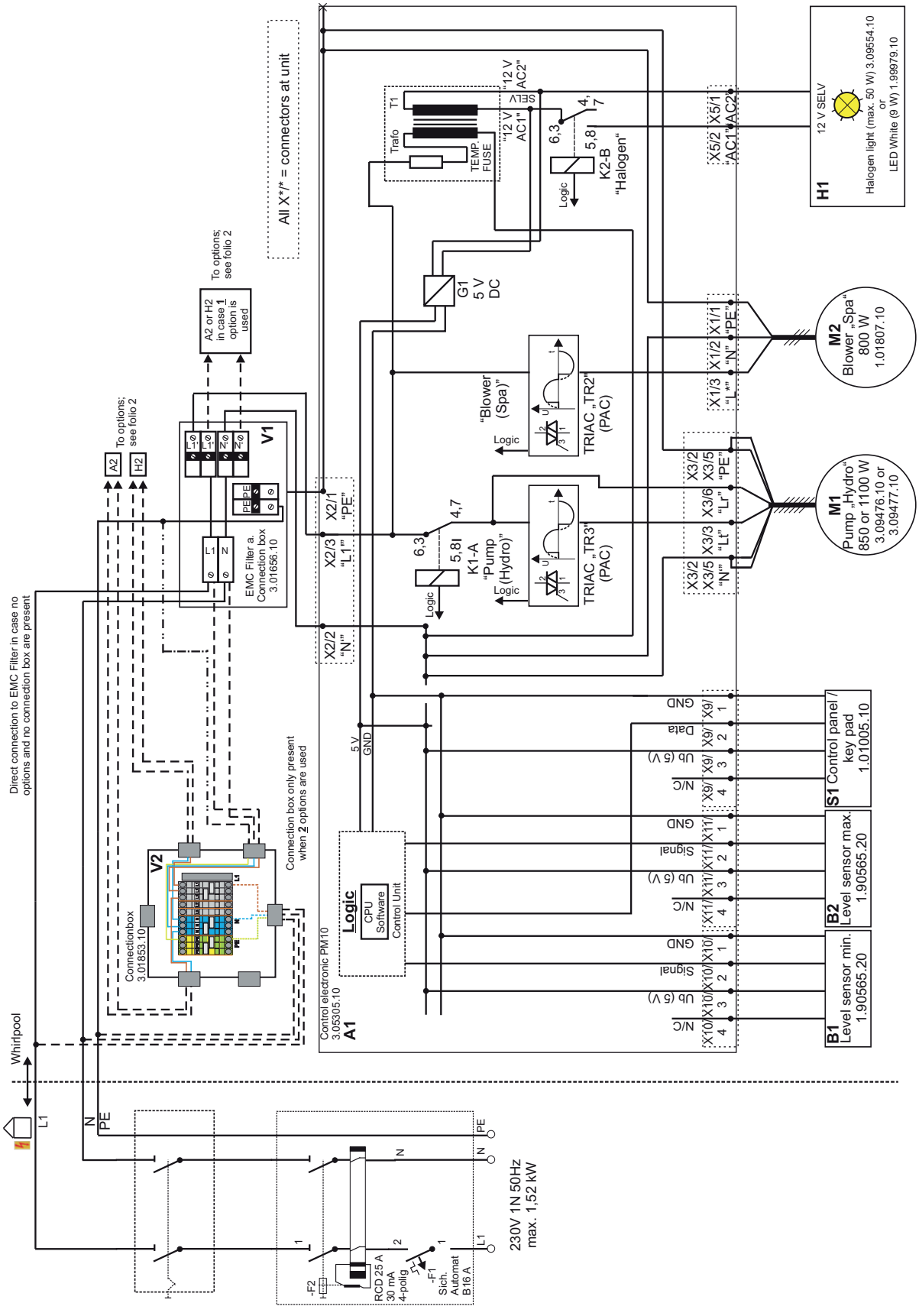
X10: Bottom level water sensor
X11: Top level water sensor

A1

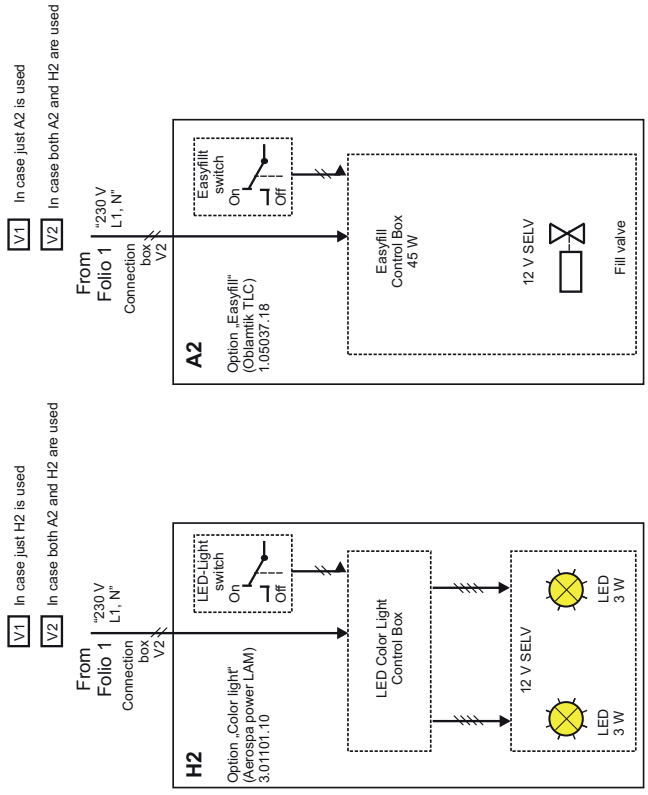


English



Version R07

English



Version R07

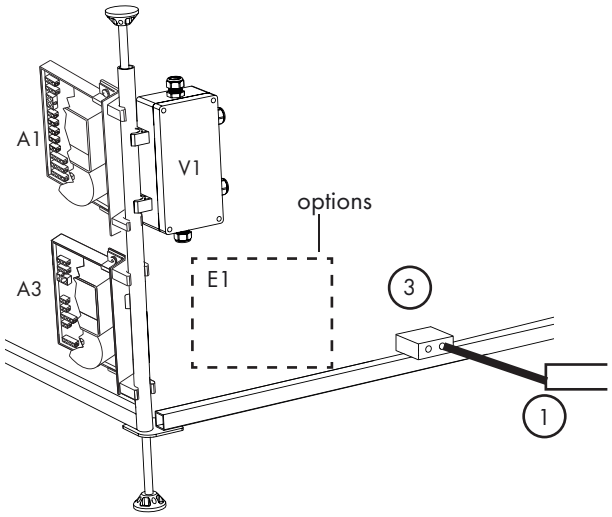
English

Poolmaster Combi Deluxe

V1: EMC Filter
A1: Electronic control
A3: Additional electronic control (with option bath heating)

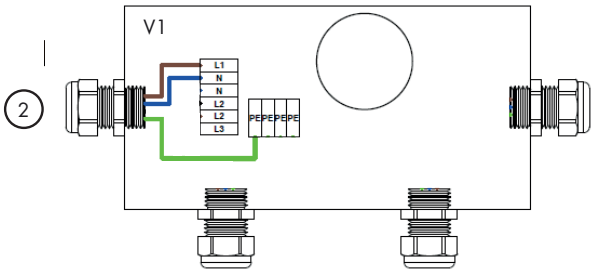
Options:
E1: Bath heating

(1): Earthing cable (BC 4mm²)
(2): Electrical supply lines
(4): Electrical connection to basic control (pre-fitted on frame)



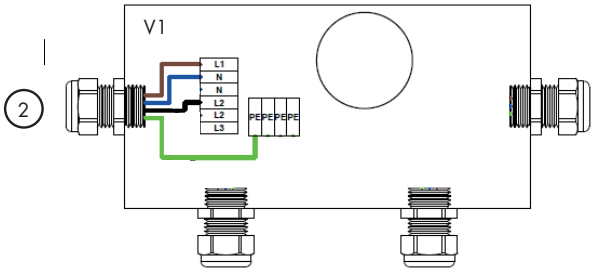
Electrical connection max. 3 kW (without options)

a) Connect the whirlpool to the power supply 230V 1N 50Hz (2) with a three-wire cable. The connection is made in the EMC filter (V1).
b) Connect the earthing cable BC 4mm² (1) to the terminal strip (3).



Electrical connection > 3kW (with bath heating option)

a) Connect the whirlpool to the power supply 400V 2N 50Hz (2) with a four-wire cable. The connection is made in the EMC filter (V1).
b) Connect the earthing cable BC 4mm² (1) to the terminal strip (3).

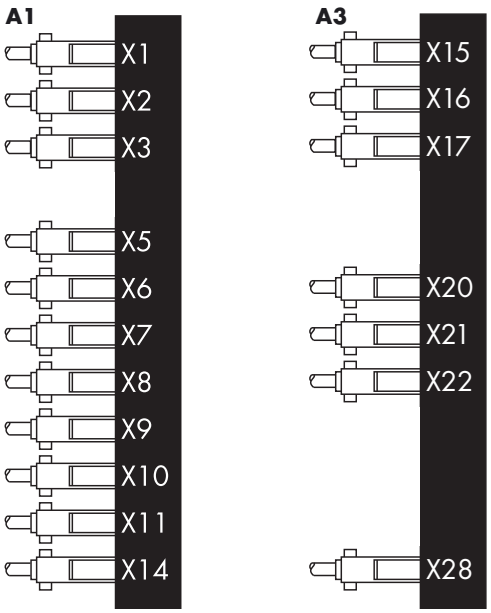


A1: Electronic connection
Pin assignment of control

X1: Blower
X2: Connection 230V 1N 50Hz
X3: Water pump
X5: white light LED
X6: Solenoid valve zone 1
X7: Solenoid valve zone 2
X8: Not used
X9: Poolmaster charging station
X10: Bottom level water sensor
X11: Top level water sensor
X14: Additional control

A3: Electronic connection
Pin assignment of additional control

X15: Heating
X16: Connection 230V 1N 50Hz
X17: Water pump 2
X20: Solenoid valve for Superwhirl
X21: Not used
X22: Coloured light
X28: Basic control



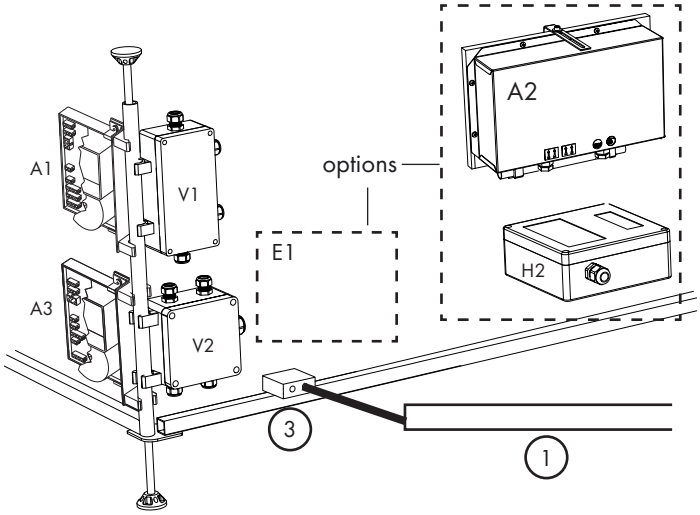
English

Poolmaster Combi Deluxe

V1: EMC Filter
V2: Distributing box
A1: Electronic control
A3: Additional electronic control (with option bath heating)

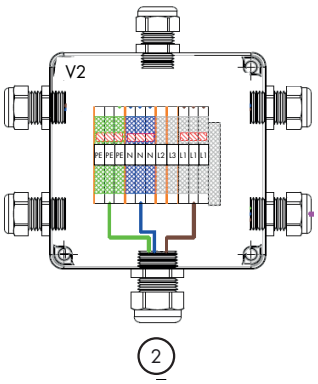
Options:
A2: Easyfill
H2: Coloured light basic
E1: Bath heating

(1): Earthing cable (BC 4mm²)
(2): Electrical supply lines
(4): Electrical connection to basic control (pre-fitted on frame)



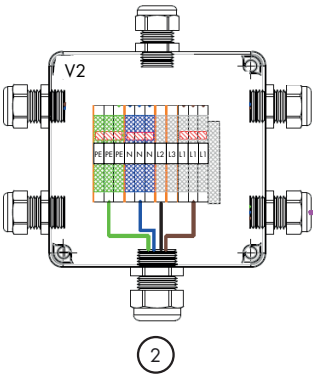
Electrical connection max. 3 kW

a) Connect the whirlpool to the power supply 230V 1N 50Hz (2) with a three-wire cable. The connection is made in the distributing box (V2).
b) Connect the earthing cable BC 4mm² (1) to the terminal strip (3).



Electrical connection > 3kW (with bath heating option)

a) Connect the whirlpool to the power supply 400V 2N 50Hz (2) with a four-wire cable. The connection is made in the distributing box (V2).
b) Connect the earthing cable BC4mm² (1) to the terminal strip (3).

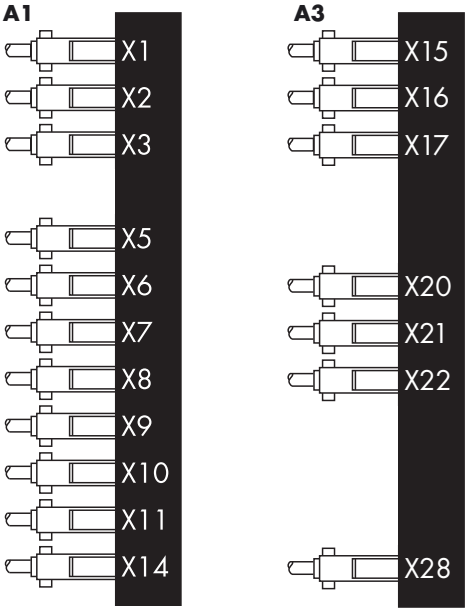


A1: Electronic connection
Pin assignment of control

X1: Blower
X2: Connection 230V 1N 50Hz
X3: Water pump
X5: white light LED
X6: Solenoid valve zone 1
X7: Solenoid valve zone 2
X8: Not used
X9: Poolmaster charging station
X10: Bottom level water sensor
X11: Top level water sensor
X14: Additional control

A3: Electronic connection
Pin assignment of additional control

X15: Heating
X16: Connection 230V 1N 50Hz
X17: Water pump 2
X20: Solenoid valve for Superwhirl
X21: Not used
X22: Coloured light
X28: Basic control



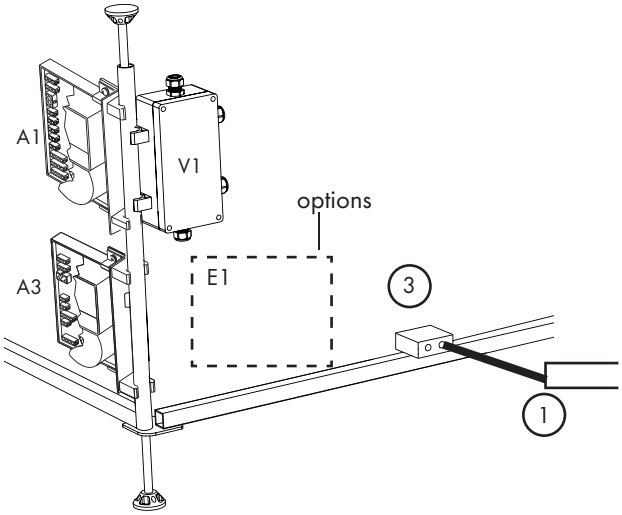
English

Poolmaster Combi Superior

V1: EMC Filter
A1: Electronic control
A3: Additional electronic control (with option bath heating)

Options:
E1: Bath heating

(1): Earthing cable (BC 4mm²)
(2): Electrical supply lines
(4): Electrical connection to basic control (pre-fitted on frame)



Electrical connection max. 3 kW (without options)

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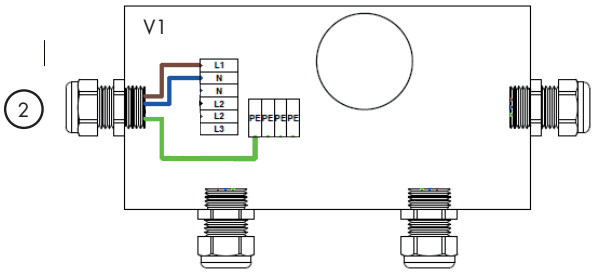
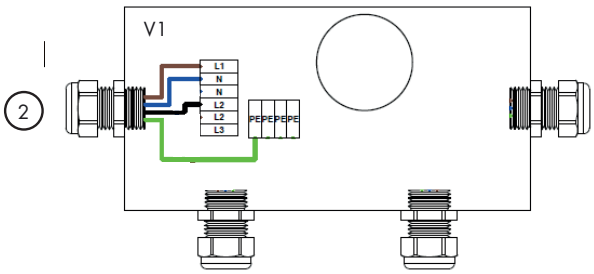


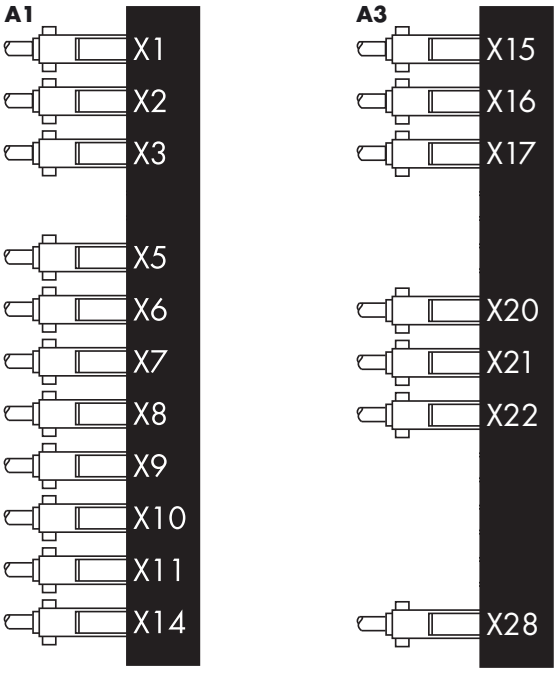
Electrical connection > 3kW (with bath heating option)

a) Connect the whirlpool to the power supply 400V 2N 50Hz (2) with a four-wire cable. The connection is made in the EMC filter (V1).
b) Connect the earthing cable BC 4mm² (1) to the terminal strip (3).



A1: Electronic connection
Pin assignment of control
X1: Blower
X2: Connection 230V 1N 50Hz
X3: Water pump
X5: white light LED
X6: Solenoid valve zone 1
X7: Solenoid valve zone 2
X8: Not used
X9: Poolmaster charging station
X10: Bottom level water sensor
X11: Top level water sensor
X14: Additional control

A3: Electronic connection
Pin assignment of additional control
X15: Heating
X16: Connection 230V 1N 50Hz
X17: Water pump 2
X20: Solenoid valve for Superwhirl
X21: Not used
X22: Coloured light
X28: Basic control



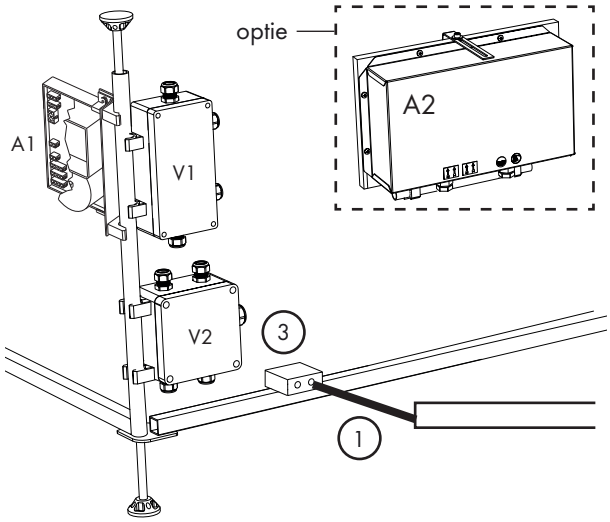
English

Poolmaster Combi Superior

V1: EMC Filter
V2: Distributing box
A1: Electronic control

Options:
A2: Easyfill

(1): Earthing cable (BC 4mm²)
(2): Electrical supply lines
(4): Electrical connection to basic control (pre-fitted on frame)



Electrical connection max. 3 kW

a) Connect the whirlpool to the power supply 230V 1N 50Hz (2) with a three-wire cable. The connection is made in the distributing box (V2).
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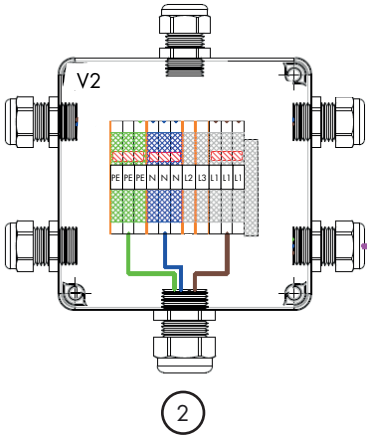

A1: Electronic connection
Pin assignment of control
X1: Blower
X2: Connection 230V 1N 50Hz
X3: Water pump
X5: white light LED
X6: Solenoid valve zone 1
X7: Solenoid valve zone 2
X8: Not used
X9: Poolmaster charging station
X10: Bottom level water sensor
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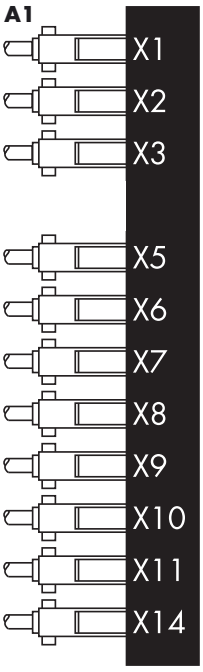
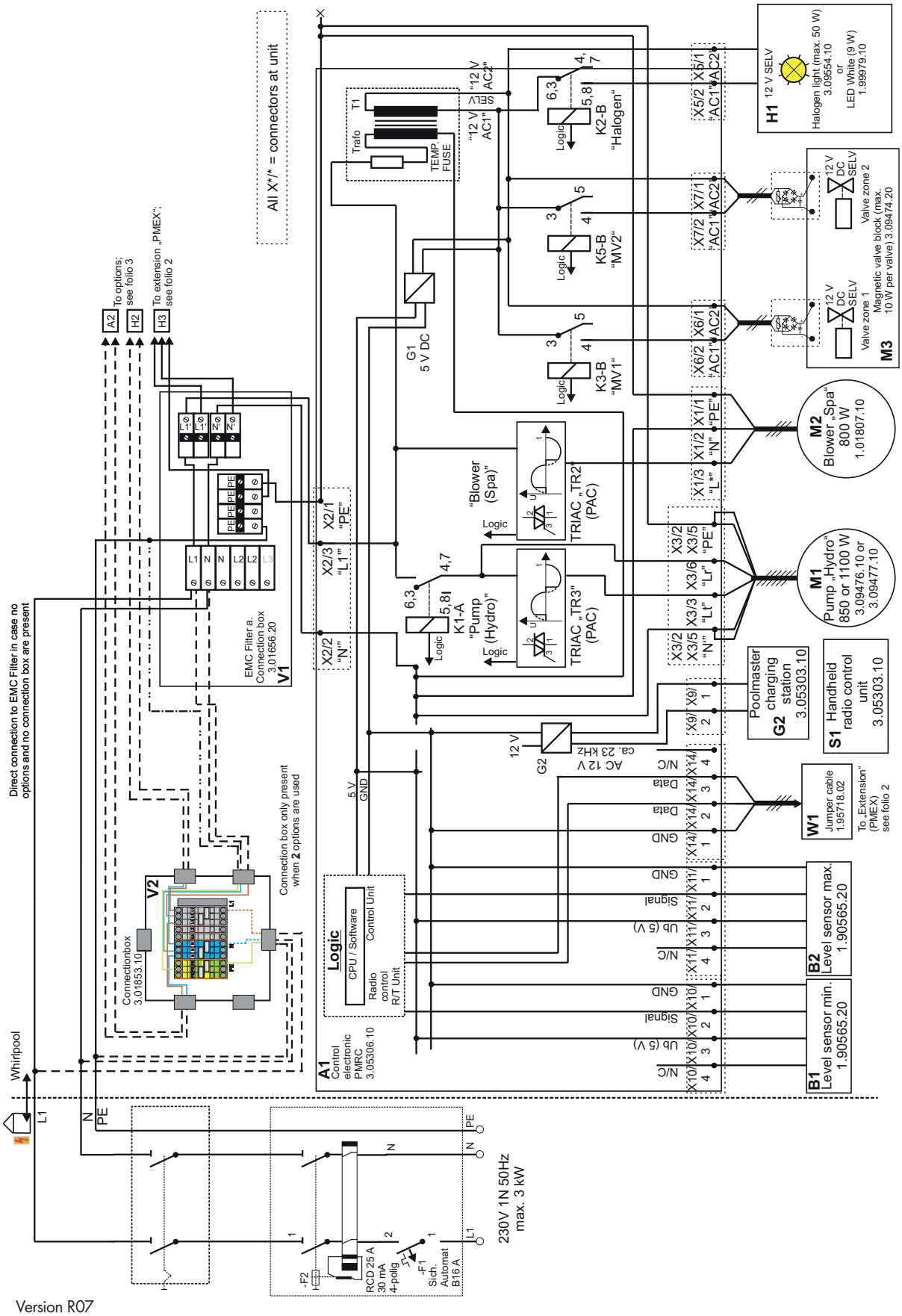
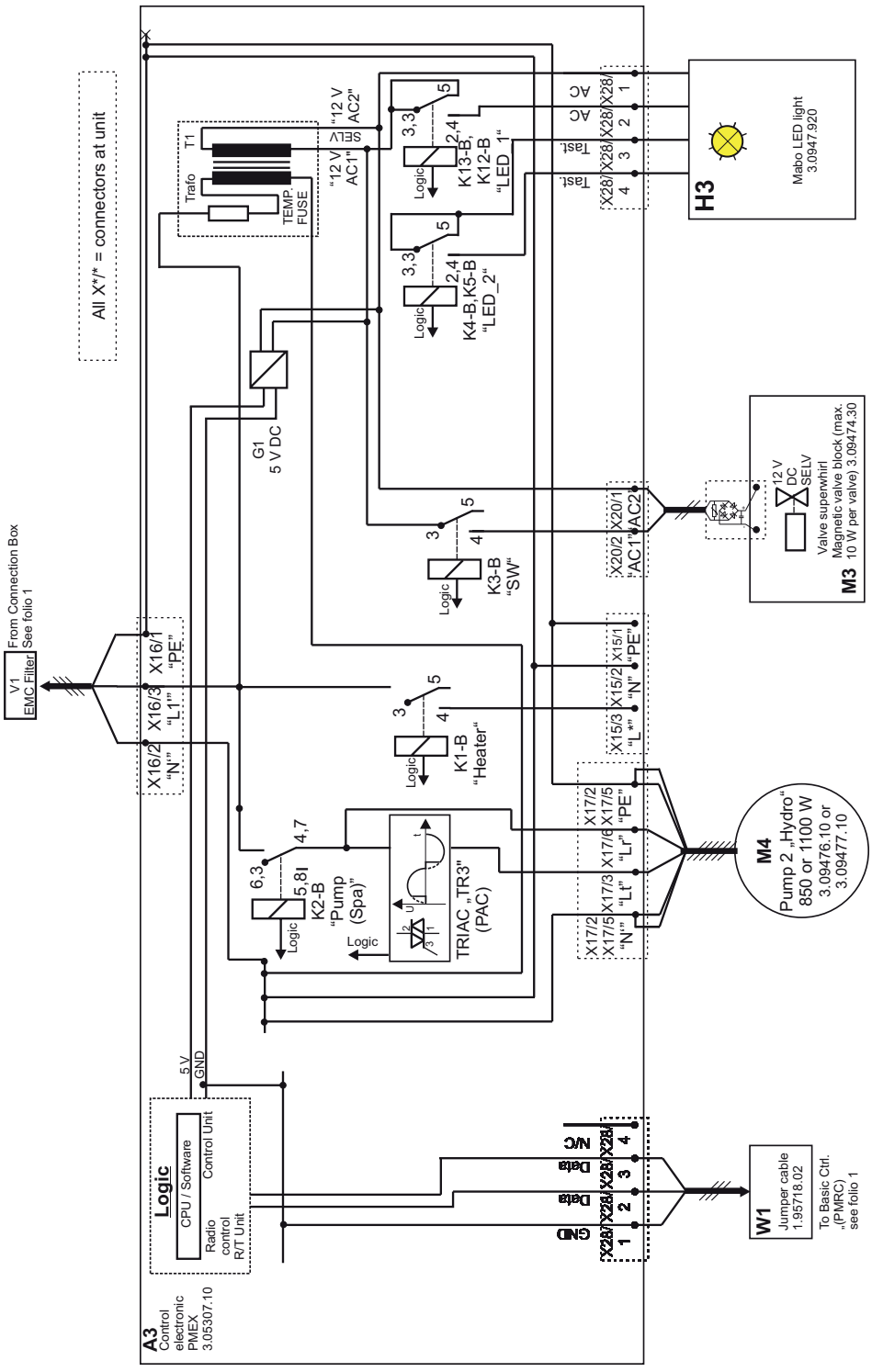


English



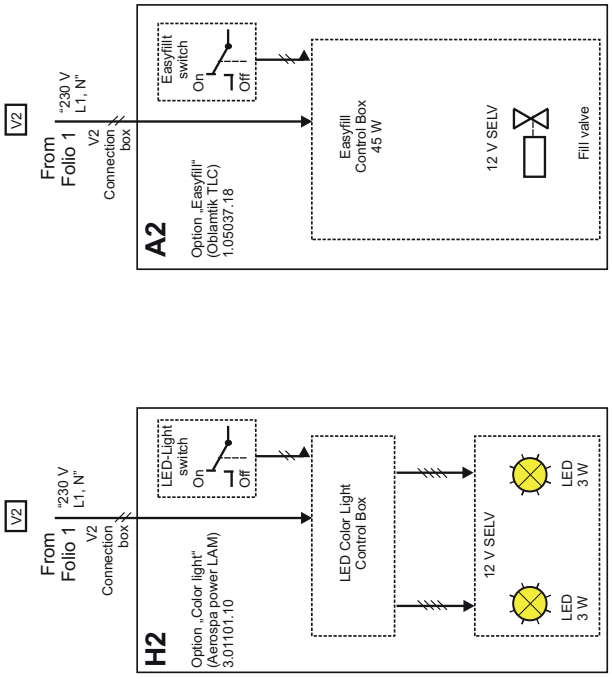
Version R07

English



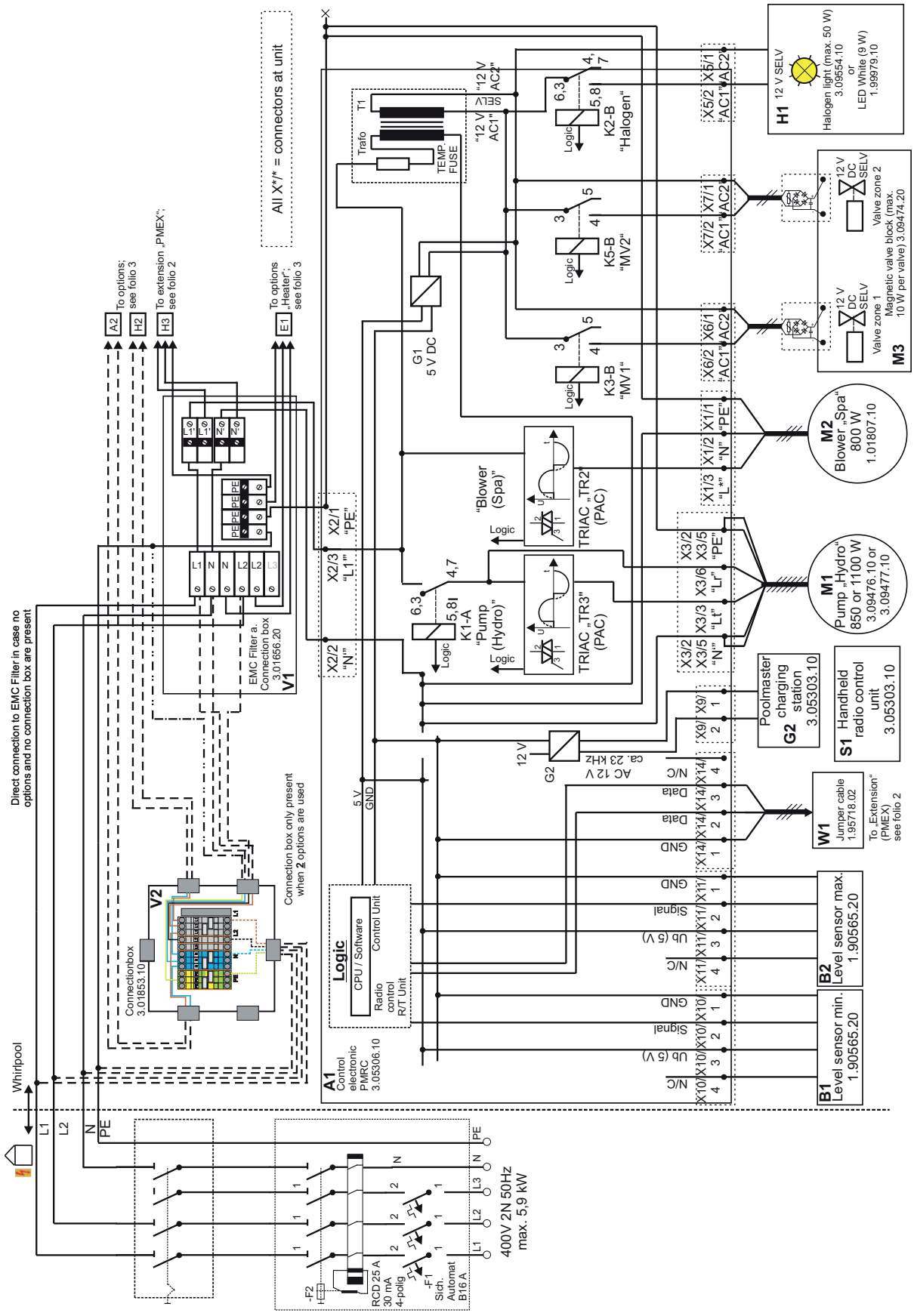
Version R07

English

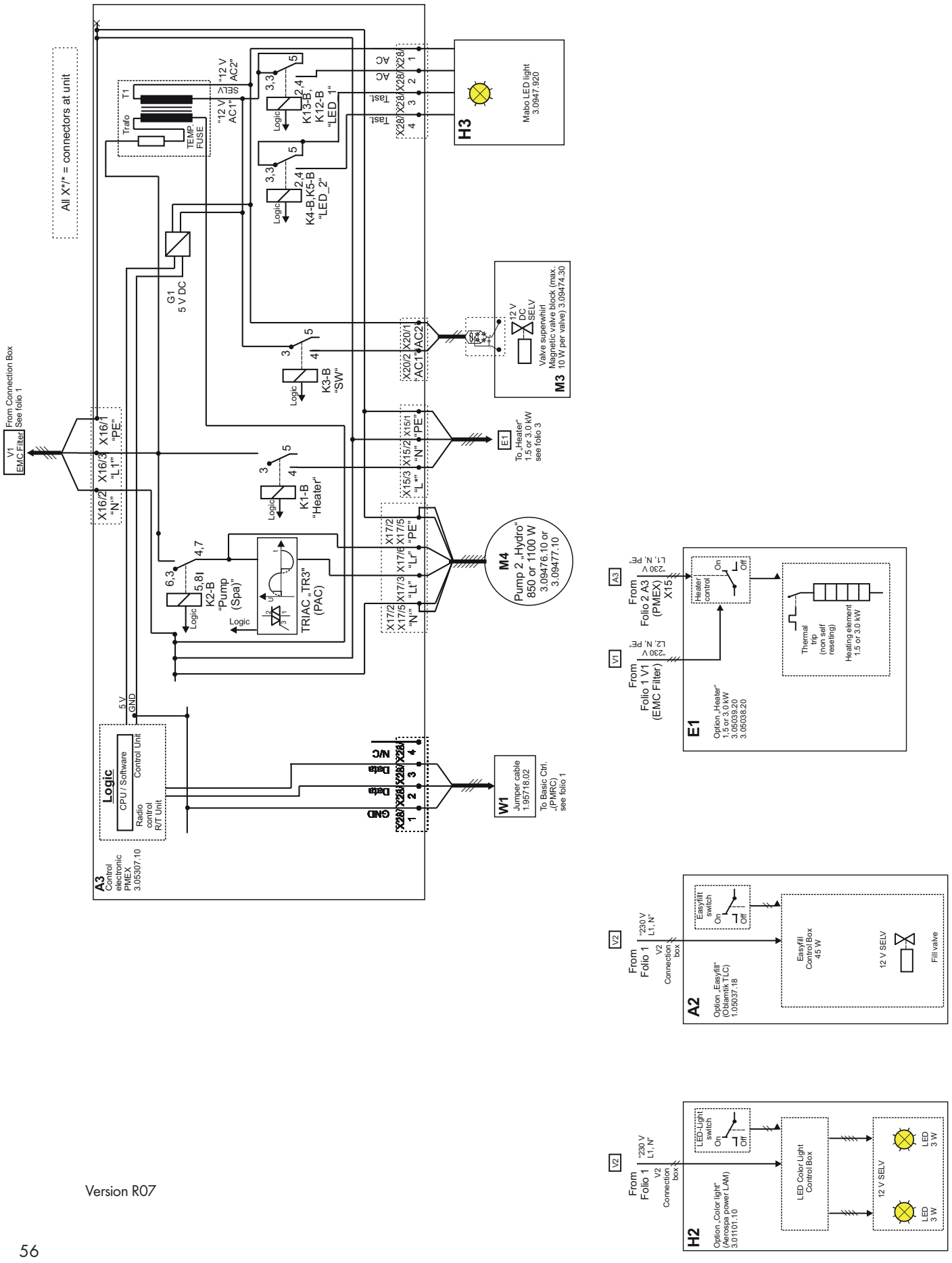


Version R07

English


All X*/* = connectors at unit
To options; see folio 3
To extension „PMEX"; see folio 2
To options „Heater"; see folio 3
Direct connection to EMC Filter in case no options and no connection box are present
Connection box only present when 2 options are used
EMC Filter a. Connection box 3.01656.20
V1
V2
Connectionbox 3.01853.10
A1 Control electronic PMRC 3.05306.10
Logic
CPU / Software
Control Unit
Radio control R/T Unit
Trafo
T1
TEMP FUSE
"12 V AC2"
"12 V AC1"
SELV
G1 5 V DC
5 V
GND
12 V
G2
ca. 23 kHz
AC 12 V
K1-A "Pump (Hydro)"
K2-B "Halogen"
K3-B "MV1"
K5-B "MV2"
"Blower (Spa)"
TRIAC „TR2" (PAC)
TRIAC „TR3" (PAC)
Logic
H1 12 V SELV
Halogen light (max. 50 W) 3.09554.10 or LED White (9 W) 1.99979.10
M2 Blower „Spa" 800 W 1.01807.10
M1 Pump „Hydro" 850 or 1100 W 3.09476.10 or 3.09477.10
M3 Magnetic valve block (max. 10 W per valve) 3.09474.20
Valve zone 1
Valve zone 2
12 V DC SELV
B1 Level sensor min. 1.90565.20
B2 Level sensor max. 1.90565.20
S1 Handheld radio control unit 3.05303.10
G2 Poolmaster charging station 3.05303.10
W1 Jumper cable 1.95718.02
To „Extension" (PMEX) see folio 2
Whirlpool
400V 2N 50Hz max. 5,9 kW
-F1 Sich. Automat B16 A
-F2
RCD 25 A 30 mA 4-polig
L1
L2
N
PE
L3

English



Version R07

English

Mini Poolmaster operation (Fig. A)

1. Mini Poolmaster
2. Interval function for water and air system
3. Basic function 1: Hydro system on / off
4. Restriction of pump and/or blower performance
5. Increase of pump and/or blower performance
6. Basic function 2: Air system on / off
7. Basic function 3: Light on / off

Standby:

The display is not lit. When the tub is being filled, the control is automatically switched on when the maximum water level is reached. The basic functions are lightly backlit in orange in the display of the Mini Poolmaster.

If your whirlpool is not equipped with individual basic functions, these functions will not be backlit in the display and are thus not available.

The whirlpool is switched off automatically after approx. 20 minutes after being put into operation. The whirl process can be resumed immediately without a break.

Hydrosystem

When button 3 is pressed, the hydro system starts with 50% intensity (standard setting). The backlighting of the button is increased and, in addition, the backlighting of the buttons 2, 4 and 5 signals that these are also enabled for selection.

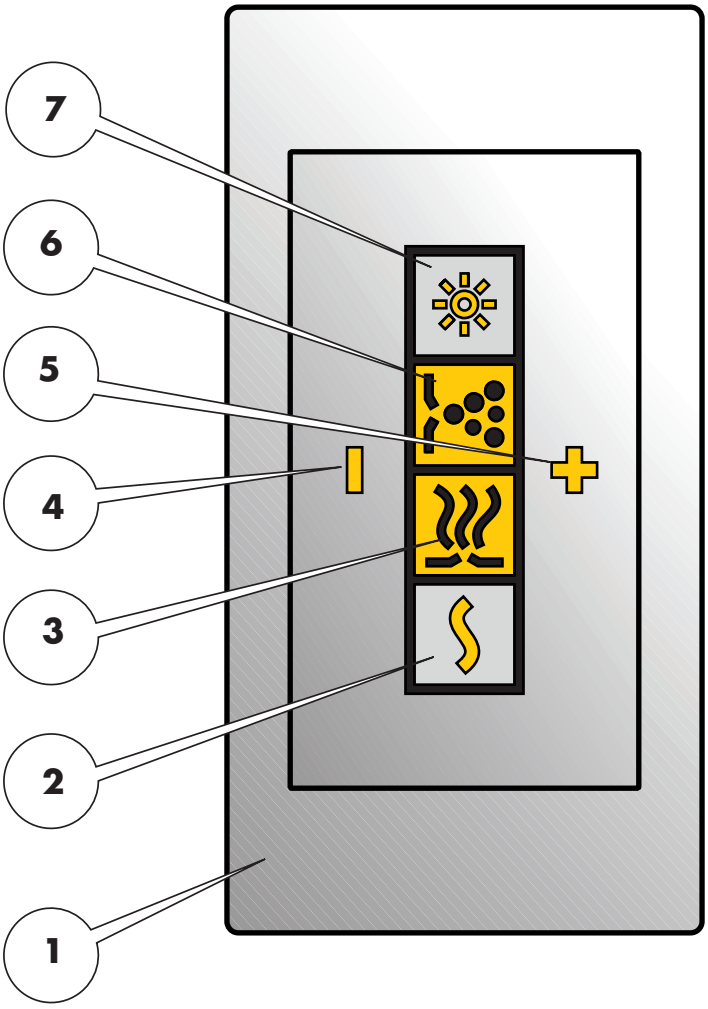
The intensity can be increased or reduced by pressing the buttons 4 or 5.

The interval function can be activated with button 2. The intensity changes to the standard setting (50%) and cannot be changed. The interval frequency can be increased or reduced by pressing the buttons 4 or 5.

After approx. 30 sec., the backlighting of the buttons 2, 4 and 5 is switched off. They are no longer active.

By pressing button 3 once, the buttons are backlit again and setting corrections can be made. Pressing button 3 again switches off the function.

A



English

Air system

When button 6 is pressed, the air system starts with 50% intensity (standard setting). The backlighting of the button is increased and, in addition, the backlighting of the buttons 2, 4 and 5 signals that these are also enabled for selection.
The intensity can be increased or reduced by pressing the buttons 4 or 5.

The interval function can be activated with button 2. The intensity changes to the standard setting (50%) and cannot be changed. The interval frequency can be increased or reduced by pressing the buttons 4 or 5.
After approx. 30 sec., the backlighting of the buttons 2, 4 and 5 is switched off. They are no longer active. By pressing button 6 once, the buttons are backlit again and setting corrections can be made. Pressing button 6 again switches off the function.

Hydro system + air system

When buttons 3 and 6 are pressed, the hydro and air systems start with 50% intensity (standard setting). The backlighting of the button is increased and, in addition, the backlighting of the buttons 2, 4 and 5 signals that these are also enabled for selection.
The intensity of both systems can be increased or reduced at the same time by pressing the buttons 4 or 5.
If no parallel adjustment of the intensity is desired, the hydro and air systems have to be successively adjusted separately.
The interval function can be activated with button 2. The intensity of both systems changes to the standard setting (50%) and cannot be changed. The interval frequency of both systems can be increased or reduced at the same time by pressing the buttons 4 or 5.
After approx. 30 sec., the backlighting of the buttons 2, 4 and 5 is switched off. They are no longer active. By pressing button 6 once, the buttons are backlit again and setting corrections can be made. Pressing button 6 again switches off the function

Lighting

The halogen lamp is switched on and off by pressing button 7. The button backlighting is strong or weak.
The halogen lamp can be switched on only when the tub is sufficiently filled.

Cleaning function

When water is drained from the tub, the Hydro button (button 3) starts lighting until the tub is drained. After approx. 6 min the air system is automatically activated and flushes the remaining water from the pipework and the nozzles of the air system.

English

Poolmaster operation (Fig. A)

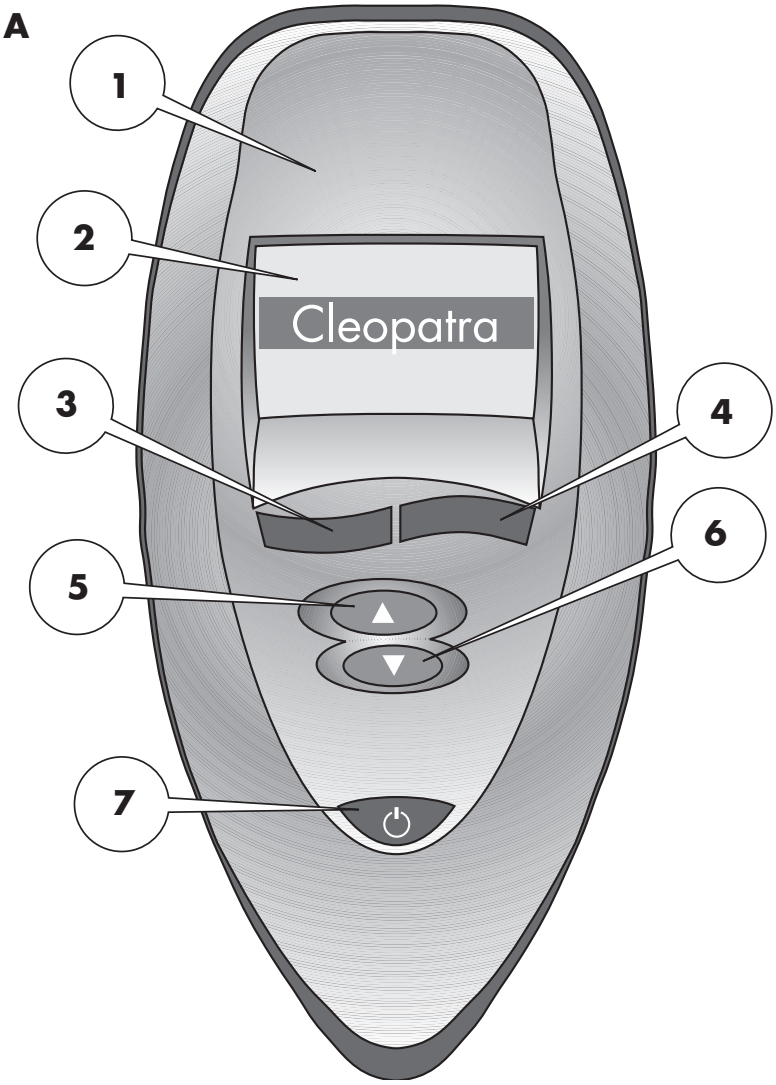
1. Poolmaster
2. Illuminated LC display
3. Selection button (left)
4. Selection button (right)
5. Navigation button (menu up)
6. Navigation button (menu down)
7. On/Off

Function of individual buttons Button 7, On/Off
The Poolmaster is switched on when this button is pressed (for at least 1 sec). The menu first shows WELCOME and then the first menu item. Pressing this button again switches the control element off and also stops active whirlpool programs.
Buttons 5/6, navigation buttons
The navigation buttons can be used to scroll through the menus.
Buttons 3/4, selection buttons
The selection buttons can be used to go to the next menu level or to select a program function. The possible selections are shown on the display.

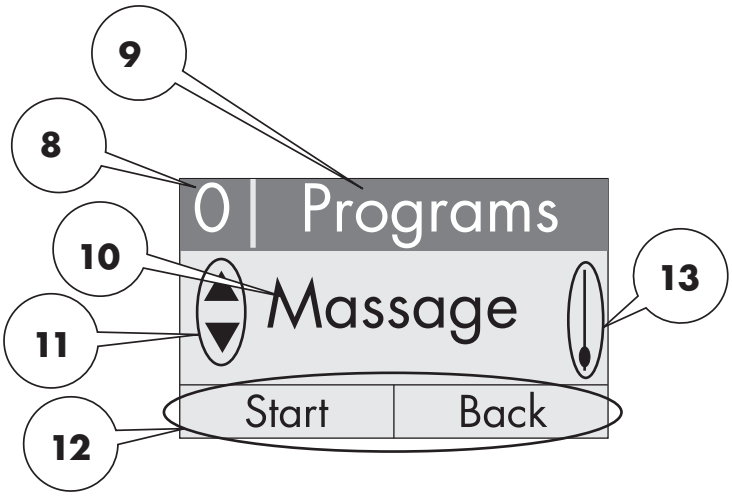
Display (Fig. B)

8. Field for menu number
   Attention: The menu number varies depending on the activated functions and equipment of the whirlpool
9. Field for the display of the next higher menu item
10. Display of the selected menu
11. Selection options for buttons 5 and 6
12. Selection options for buttons 3 and 4
13. Quick view of „Menu item“

A



B



English

Initial start-up

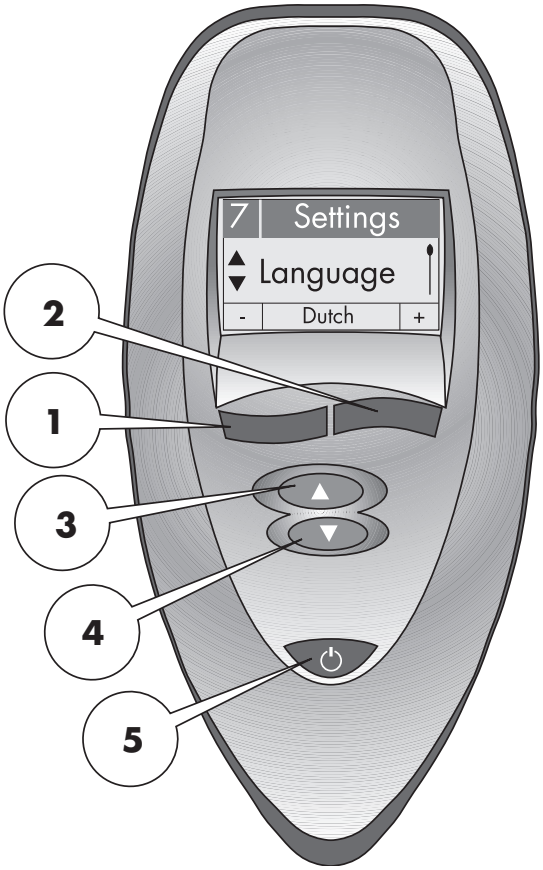
Language setting

During the initial start-up of the whirlpool, the user language must be first set.

Either German, English, Italien, Spansih, French or Dutch language can be selected.

Swiching on the control element by pressing button 5, the Program selection appears in the display. Press 1 time button 3 (B) and after 1 time button 2 (C). The language can be selected now with buttons 1 and 2.

The desired user language is saved by pressing button 4 and then switching off the control element with button 5.



Timer (see menu description)

The control has a timer function.

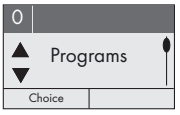
In the basic setting, the self-selected whirlpool functions are automatically switched off after 20 minutes. This time can be set between 1 - 40 minutes in the ‚Timer' menu.

The timer must be always set before starting the function or before selecting user functions!

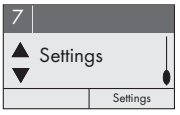
If the ‚Function' menu is finished, the timer settings will be reset automatically to 20 minutes!

Starting with the last minute, the timer function is automatically shown in the display and counts down in seconds. For the last 10 seconds, the display lighting is also automatically switched on.

After expiration of this time, the whirlpool functions can again be started with the last setting or a new configuration can be set.



A



B

C

English

Menu description
The following description includes all whirlpool functions that can be controlled by the Poolmaster control element. If your whirlpool is not equipped with individual functions, these functions will not be shown in the Poolmaster display and are thus not available.

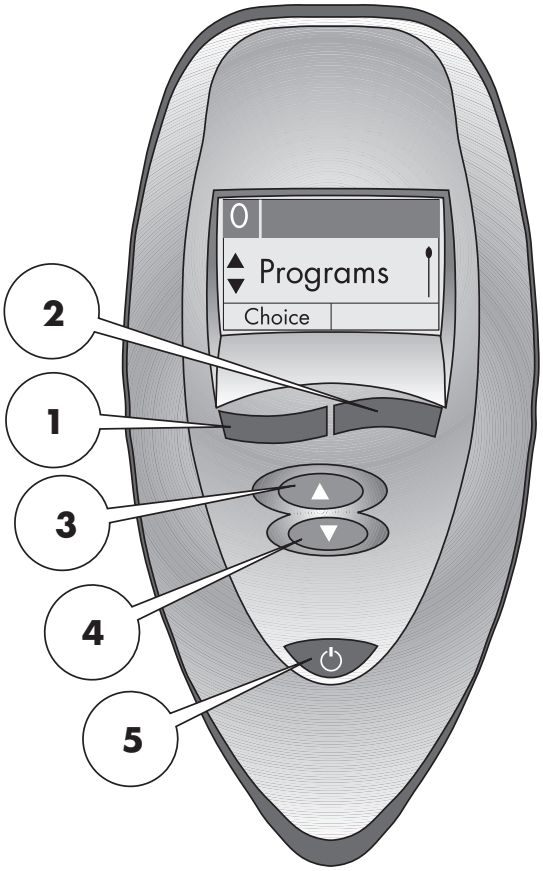
‚Programs' menu (A)
The pre-set wellness programs can be activated in the ‚Programs' menu. These programs are permanent and cannot be changed.
Procedure
Select ‚Programs' in menu level 1 and go to the ‚Programs' menu by pressing button 1. The desired wellness program can be selected and activated here.

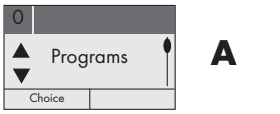
‚Relax' program (B)
The duration amounts to approx. 20 minutes.

‚Sport' program (C)
The duration amounts to approx. 15 minutes.

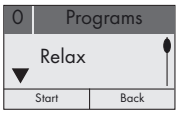
‚Wave' program (D)
The duration amounts to approx. 15 minutes.

‚Massage' program (E)
The duration amounts to approx. 12 minutes.

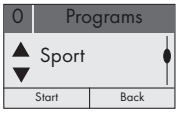




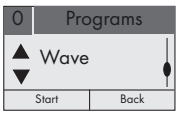
A



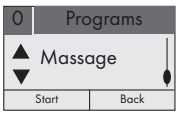
B



C



D



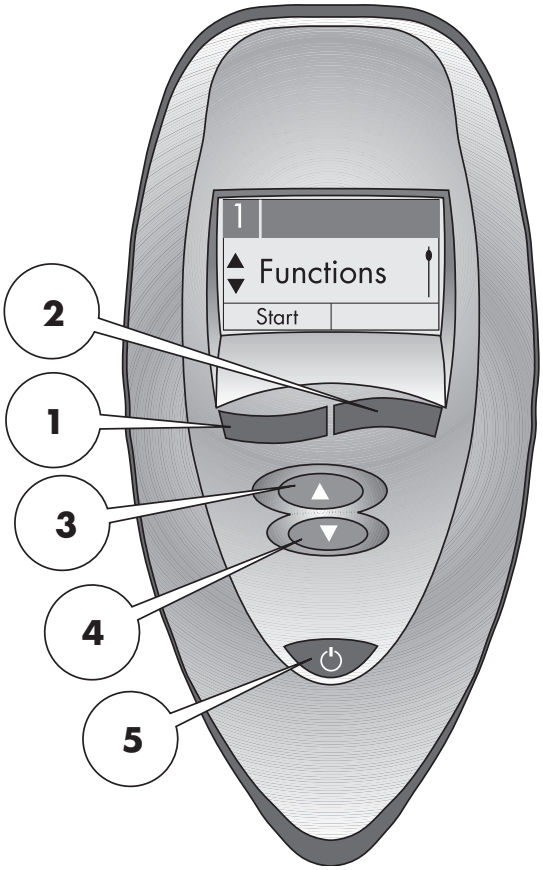
E

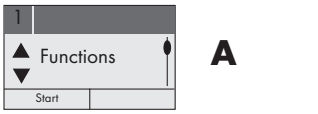
English

‚Funkcje' menu
Individual whirlpool functions can be manually activated and set in the ‚Functions' menu. The settings are lost when the whirlpool is switched off. Permanent settings have to be made under the User 1, 2, 3 or 4 menu item.

Procedure
Select ‚Functions' in menu level 1 and go to the ‚Functions' menu by pressing button 1. The desired whirlpool function can be activated and set here.

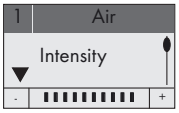
‚Air' menu (B)
Press button 3/4 to select the ‚Air' menu.
- Air On/Off
  Press button 1 to switch the air on or off (F).
- Setting the air intensity
  Press button 2 to select ‚Settings' (B). The intensity can be changed by pressing button 1/2 (C).
  Press button 4 to return to the ‚Air' menu (B).
- Setting the air interval
  Press button 2 to select ‚Settings' (B) and button 3/4 to change to interval (D). The interval time can be changed or switched off by pressing button 1/2.
  Press button 4 to return to the ‚Air' menu (B).



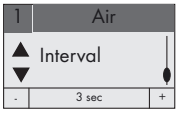


A

B



C



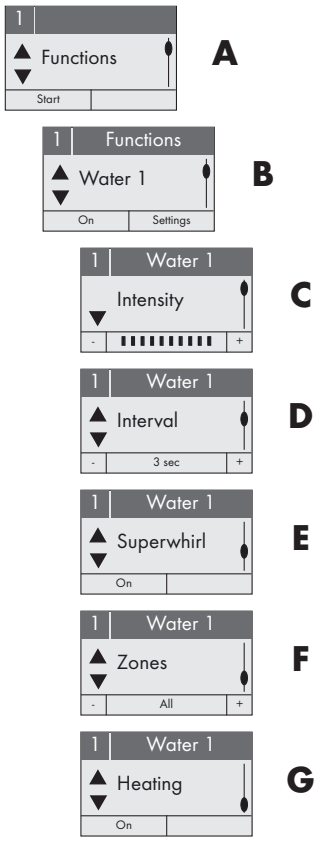
D

English

‚Water 1' menu (B)

Press button 3/4 to select the ‚Water 1' menu.

- Water On/Off
  Press button 1 to switch the water on or off.
- Setting the water intensity
  Press button 2 to select ‚Settings' (B). The intensity can be changed by pressing button 1/2 (C).
  Press button 4 to return to the ‚Water 1' menu (B).
- Setting the water interval
  Press button 2 to select ‚Settings' (B) and press button 3/4 to change to ‚Interval' (D). The interval time can be changed or switched off by pressing button 1/2.
  Press button 4 to return to the ‚Water 1' menu (B).
- Superwhirl On/Off
  Press button 2 to select ‚Settings' (B) and press button 3/4 to change to ‚Superwhirl' (E). The superwhirl function can be switched on/off by pressing button 1.
  Press button 4 to return to the ‚Water 1' menu (B).
- Setting the zones
  Press button 2 to select ‚Settings' (B) and press button 3/4 to change to ‚Zones' (F). The zones can be changed between all, side, back and side+back by pressing button 1/2
  Press button 4 to return to the ‚Water 1' menu (B).
- Heating On/Off
  The heating is swiched off automaticaly by starting the water pump. It can be switched off and on again.
  Press button 2 to select ‚Settings' (B) and press button 3/4 to change to ‚Heating' (G). The heating can be switched on/off by pressing button 1.



English

‚Halogen' menu (B)
Press button 3/4 to select the ‚Halogen' menu.
- Halogen lamp On/Off
  Press button 1 to switch the halogen lamp on or off.

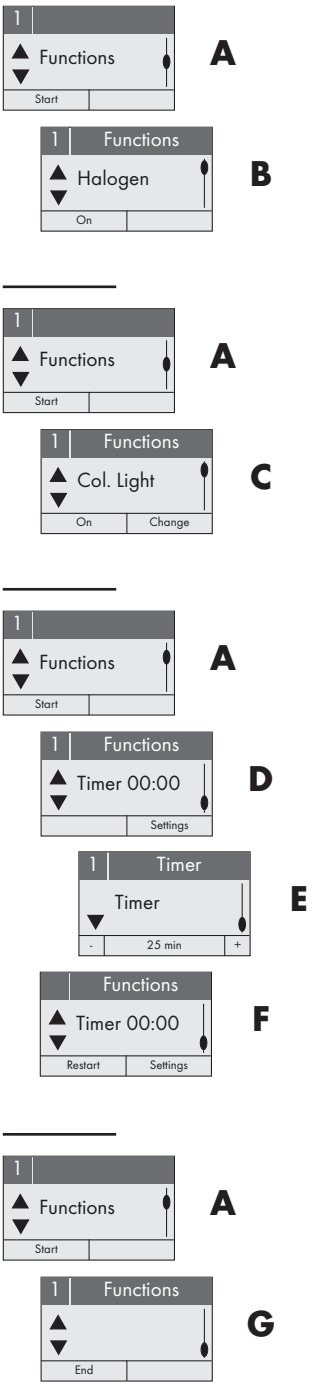
‚Col. Light' menu (C)
Press button 3/4 to select the ‚Col. Light' menu.
- Coloured light on/off
  Press button 1 to switch the halogen lamp on or off.
- Coloured light hold/change mode
  Press button 2 to hold the colour of the light or to change to the changing mode.

‚Timer' menu (D)
Press button 3/4 to select the ‚Timer' menu.
- Timer settings (E)
  Press button 2 to select ‚Settings' (D). By pressing the button 1/2, the time can be changed (1 - 40 min max.)
  Press button 4 to return to the ‚Timer' menu (D).

To activate the timer, the timer would have been already set first. Directly after setting the timer, the functions must be selected (see functions menu)! If the ‚Function' menu was ending, the timer settings will be reset automatically to 20 minutes!
- Time is up (F)

By pressing button 1 the whirlpool can be used once more with the same settings

Returning to menu level 1
Press button 3/4 to call up the empty menu window (G) and press button 1 to select ‚End'.

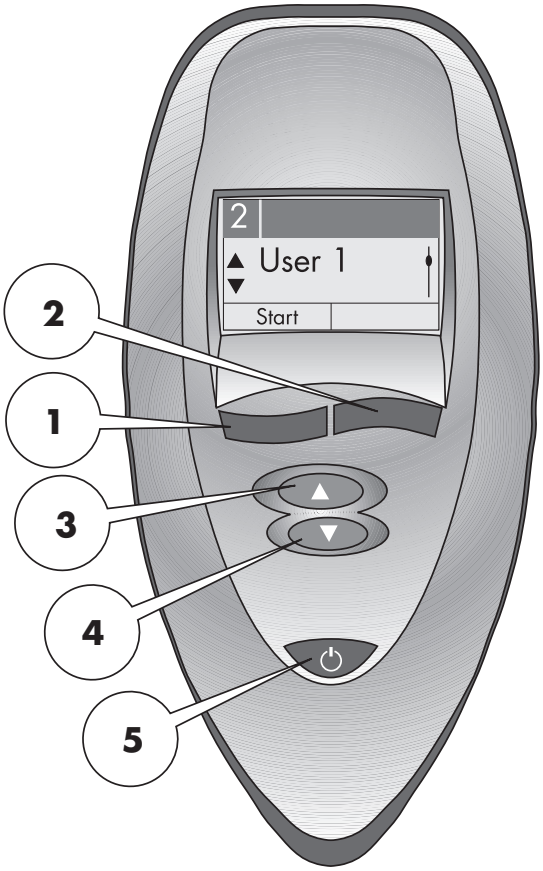


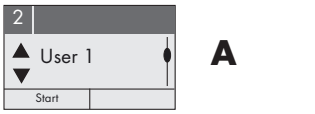
English

‚User 1', ‚User 2', ‚User 3', ‚User 4' menus
Up to four persons can save their whirlpool settings in the ‚User 1' to ‚User 4' menus. The individual functions of the whirlpool can be manually set and switched on and off. The selected settings are also maintained after switching off the whirlpool and can therefore be called up, changed or started at any time.

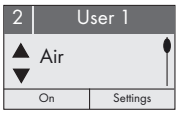
Procedure
Call ‚User 1' (A), ‚User 2', ‚User 3' or ‚User 4' in menu level 1 and press button 1 to change to the ‚Functions' menu. The whirlpool settings can be activated or set again here.

‚Air' menu (B)
Press button 3/4 to select the ‚Air' menu.
- Air On/Off
  Press button 1 to switch the air on or off.
- Setting the air intensity
  Press button 2 to select ‚Settings' (B). The intensity can be changed by pressing button 1/2 (C).
  To save, press button 4 to return to the ‚Air' menu (B).
- Setting the air interval
  Press button 2 to select ‚Settings' (B) and press button 3/4 to change to interval (D). The interval time can be changed or switched off by pressing button 1/2.
  To save, press button 4 to return to the ‚Air' menu (B).

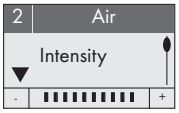




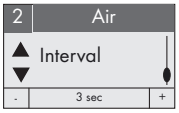
A



B



C



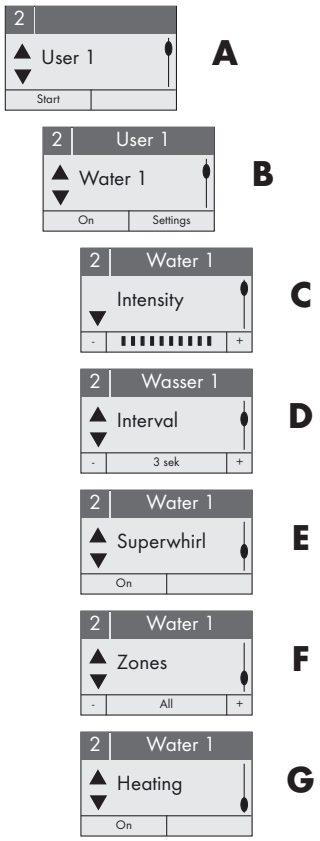
D

English

‚Water 1' menu (B)

Press button 3/4 to select the ‚Water 1' menu.

- Water On/Off
  Press button 1 to switch the water on or off.
- Setting the water intensity
  Press button 2 to select ‚Settings' (B). The intensity can be changed by pressing button 1/2 (C).
  Press button 4 to return to the ‚Water 1' menu (B).
- Setting the water interval
  Press button 2 to select ‚Settings' (B) and press button 3/4 to change to ‚Interval' (D). The interval time can be changed or switched off by pressing button 1/2.
  Press button 4 to return to the ‚Water 1' menu (B).
- Superwhirl On/Off
  Press button 2 to select ‚Settings' (B) and press button 3/4 to change to ‚Superwhirl' (E). The superwhirl function can be switched on/off by pressing button 1.
  Press button 4 to return to the ‚Water 1' menu (B).
- Setting the zones
  Press button 2 to select ‚Settings' (B) and press button 3/4 to change to ‚Zones' (F). The zones can be changed between all, side, back and side+back by pressing button 1/2
  Press button 4 to return to the ‚Water 1' menu (B).
- Heating On/Off
  The heating is swiched off automaticaly by starting the water pump. It can be switched off and on again.
  Press button 2 to select ‚Settings' (B) and press button 3/4 to change to ‚Heating' (G). The heating can be switched on/off by pressing button 1.



English

‚Halogen' menu (B)
Press button 3/4 to select the ‚Halogen' menu.
- Halogen lamp On/Off
  Press button 1 to switch the halogen lamp on or off.

‚Col. Light' menu (C)
Press button 3/4 to select the ‚Col. Light' menu.
- Coloured light on/off
  Press button 1 to switch the halogen lamp on or off.
- Coloured light hold/change mode
  Press button 2 to hold the colour of the light or to change to the changing mode.

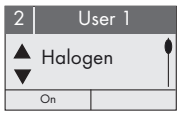
‚Timer' menu (D)
Press button 3/4 to select the ‚Timer' menu.
- Timer settings (E)
  Press button 2 to select ‚Settings' (D). By pressing the button 1/2, the time can be changed (1 - 40 min max.)
  Press button 4 to return to the ‚Timer' menu (D).

To activate the timer, the timer would have been already set first. Directly after setting the timer, the functions must be selected (see functions menu)! If the ‚Function' menu was ending, the timer settings will be reset automatically to 20 minutes!

- Time is up (F)
By pressing button 1 the whirlpool can be used once more with the same settings

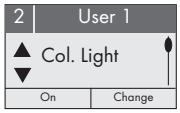
Returning to menu level 1
Press button 3/4 to call up the empty menu window (G) and press button 1 to select ‚End'.

A



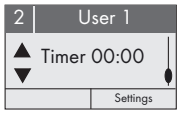
B

A

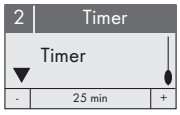


C

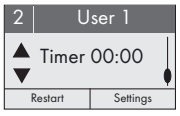
A



D

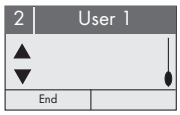


E



F

A



G

English

‚Service' menu
In the ‚Service' menu, the installer/customer can display settings of the whirlpool control.

Procedure
Call up ‚Service' in menu level 1 by pressing button 3/4.

- Service Info (A)
  Press button 2 to call up the information.

Menu Navigation English

‚Settings' menu

The ‚Settings' menu is used to select the user language, show and hide menu functions for the settings in ‚Functions' and ‚User 1' to ‚User 4' as well as to reconfigure the control.

The available user languages are German, English, Italian, Spanish, French and Dutch.

To show or hide menu functions or reconfigure the control, a mode that is secured by a PIN must be selected.

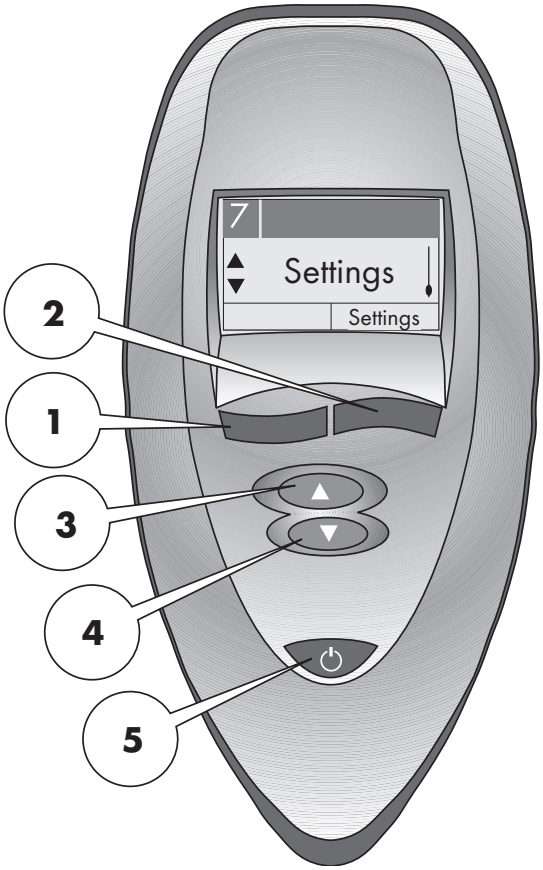
Procedure

Call up ‚Settings' in menu level 1 by pressing button 3/4 (A).

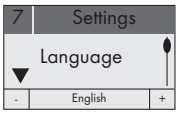
- Setting the user language (A)
  Press button 2 to select ‚Settings' (B). The language can be selected by pressing button 1/2 (B).
  Press button 4 to return to menu level 1 (A).

- User Names Selections
  Press button 2 to select ‚Settings' (B) and press button 4 to change to ‚User 1', ‚User 2', ‚User 3' or ‚User 4' (C). The language can be selected by pressing button 1/2 (B). Press button 1/2 to bring the courser on possition and select the letter or number by pressing button 3/4. Press button 1/2 until the courser will be disappeared to save the user name.
  Press button 3/4 to return to menu level 1 (A)

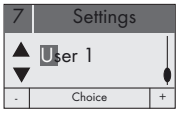
- Changing to the secured mode
  Press button 2 to select ‚Settings' (A) and press button 4 to change to ‚System' (D). Press button 2 to select ‚Settings' (D) and press button 1/2 to set the pin code to 1; confirm the pin code by pressing button 3.



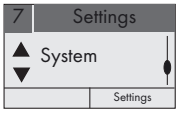
A



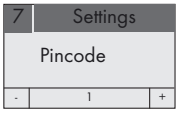
B



C



D



E

English

Activating/deactivating whirlpool functions (H)
(possible only in secured mode and only possible if whirlpool has these function.)

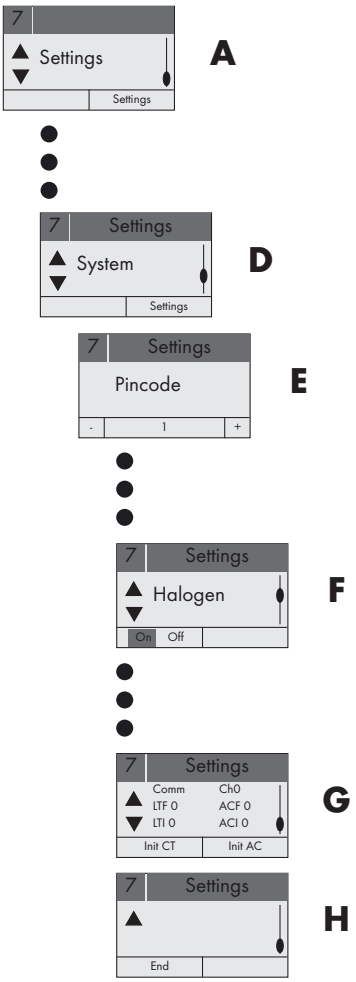
- Change to secured mode. Press button 4 to select the function (exmple: ‚Halogen' (F)). Press button 1 to activating/deactivating the function (example: Halogen) (F).

Reconfigure the control
If a control or Poolmaster component is replaced, they have to be readjusted to each other (possible only in secured mode).

Procedure

- Change to the secured mode
- Press button 3/4 to change to the display (G)
- Switch off the supply voltage on the whirlpool for at least 5 seconds
- Switch on the supply voltage
- Confirm ‚Init LT' with button 1 on the Poolmaster
- Wait until the configuration is completed (LTF 0 changes to LTF 1). This process can take up to one minute.

Returning to menu level 1
Press button 3/4 to call up the empty menu window (H) and press button 1 to select ‚End'.



Cleaning function
After draining the water from the tub, the air system is automatically activated after approx. 5 min. and flushes the remaining water from the pipework and the nozzles.

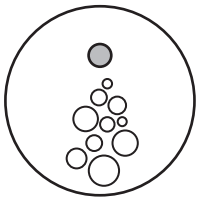
English

Both the Spa and Hydro function are oparatable with one button

1 Spa	2 Hydro
EasyWhirl operation (Fig. A) 1. On / off switch function „Spa“ 2. On / off switch function „Hydro“ **Stand By** The green LED flashes with an interval of 8 seconds. **Function „Spa“ ready for use** To ensure proper operation with sufficient water level, the green LED flashes at an interval of 0.5 seconds. **Whirlfunction „Spa“** The whirlfunction is activated by pressing the control button, the LED turns green. To turn off the whirlfunction, press the control button again. The system automatically enters into the status „function available for use“. **Emptying of the Whirlpool** Before emtying the whirlpool, please shut off the whirlfunction. If the water level sunk so far that a proper function is no longer guaranteed, the system automatically goes into „standby“ mode. **Attention! Blower run-on function** 20 minutes after emptying the Whirlpool the blower run-on function starts automaticely. Possible residual water in the nozzles will be blown out. The green LED flashes twice with an interval of 0.5 seconds. After finishing the blower run-out function the system automatically goes into „standby“ mode.	**Stand By** The green LED flashes with an interval of 8 seconds. **Function „Hydro“ ready for use** To ensure proper operation with sufficient water level, the green LED flashes at an interval of 0.5 seconds. **Whirlfunction „Hydro“** The whirlfunction is activated by pressing the control button, the LED turns green. To turn off the whirlfunction, press the control button again. The system automatically enters into the status „function available for use“. **Emptying of the Whirlpool** Before emtying the whirlpool, please shut off the whirlfunction. If the water level sunk so far that a proper function is no longer guaranteed, the system automatically goes into „standby“ mode.

A

1



2

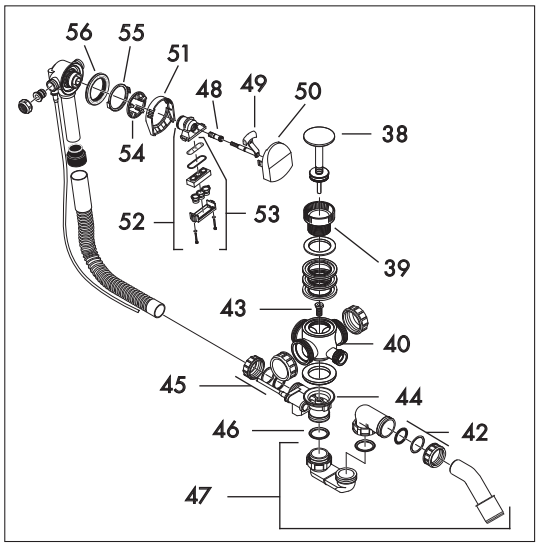
English

When working on the electrical system of the whirlpool, power must be turned off by the main switch or fuse.

Type of Malfunction/Cause	Possible Cause	Possible Clearance
• Air system does not function	• Is voltage applied? - Are fuses inserted? - Malfunction in electrical mains - Are the plug connections to the control correctly seated? • Control does not react • Control defective • Control element defective • Blower defective	• - Insert fuse - Call electrician - Pull and reinsert plug • Reconfigure Poolmaster • Replace control • Replace control element • Replace blower
• Hydro system does not function	• Nozzle dirty • Is voltage applied? - Are fuses inserted? - Malfunction in electrical mains - Are the plug connections to the control correctly seated? • Is the water level high enough? • Water level sensor does not react • Control does not react • Control defective • Control element defective • Hydraulic pump defective	• Clean nozzle • - Insert fuse - Call electrician - Pull and reinsert plug • Continue to fill tub • Adjust sensor • Replace sensor • Reconfigure Poolmaster • Replace control • Replace control • Replace control element • Replace hydraulic pump
• System switches itself on without an obvious reason	• Automatic cleaning function of the air nozzles • Has the room temperature changed (e.g. floor heating underneath the whirlpool) • Has the humidity in the room changed (e.g. use of a shower in the same room) • Were cables, water pipes or other electrically conductive materials laid in the area of the water level sensor? • Is/was cleaning work performed near the tub? (e.g. moist cleaning cloth near the water level sensors)	• Okay • Readjust sensitivity of the water level sensor • Readjust sensitivity of the water level sensor • Reposition cables, water pipes or similar • Remove objects from the tub
• Water nozzle	• Nozzle dirty • Nozzle head not adjustable - is seized - is loose	• Clean nozzle - Reposition O-ring behind head - Replace O-ring behind head
• Leakage - air - Water underneath the tub	• Air hose loosened on: - Blower - Air distributor - Air nozzle • Hydro hose loose on: - Pump - Hydro nozzles • Drain/overflow defective? • Seals on nozzles leaking? • Acrylic material damaged? • Tub inflow connection leaking?	• Tighten hose clamp / disconnect and reconnect hose • Retighten hose clamp • Replace seals • Replace seals • Repair acrylic material with repair sets • Replace seals
• Underwater lighting does not switch on	• Is the water level high enough? • Lighting element defective? • Is voltage applied? - Are fuses inserted? - Malfunction in electrical mains - Are the plug connections to the control correctly seated? • Water level sensor does not react	• Continue to fill tub • Replace lighting element • - Insert fuse - Call electrician - Pull and reinsert plug • Adjust sensor • Replace sensor

Pos.	Description	Nr.	VE
1	hydro pump 0,8 kW	97348000	1
	capacitor for hydro pump (hydro pump 0,8 kW)	97301000	1
	hydro pump 0,95 kW	97298000	1
	capacitor for hydro pump (hydro pump 0,95 kW)	97678000	1
	extraction connection	97299000	1
	pivoting connection	97300000	1
2	blower	97302000	1
3	control unit Poolmaster V2	97856000	1
	control unit Mini Poolmaster	97304000	1
	control unit EasyWhirl	92551000	1
4	additional control unit for options	97683000	1
5	water level sensor	97305000	1
	water level sensor EasyWhirl	92552000	1
6	Mini Poolmaster	97306000	1
7	Poolmaster V2	97857000	1
	rechargeable battery	97308000	1
8	charging station Poolmaster	97309000	1
	connecting cable control unit - charging station	97310000	1
9	halogen light cpl.	97311000	1
	escutcheon (halogen light)	97312XXX	1
	spare bulb 12 V / 20W	96895000	1
10	air nozzle trim kit	97314XXX	1
	body air nozzle	97315000	1
	connector plug	97438000	1
11	hydro nozzle trim kit	97316XXX	1
	body hydro nozzle	97317000	1
12	grab bar	21940XXX	1
13	head rest	97679XXX	1
14	bath tub feet	97320000	1
15	waste for whirlpool seat	96931XXX	1
16	solenoid coil	97680000	1
	solenoid valve membrane	97681000	1
17	air distributor set	97682000	1
18	handshower Allegroh	36850XXX	1
	handshower Carlton	17850XXX	1
	handshower Starck	28530XXX	1
	handshower Uno	38850XXX	1
	handshower Citterio	28505XXX	1
19	hose 2m	94148000	1
20	Secuflex flessibile 2 m	94108000	1
21	shower holder, assy	96433XXX	1
22	escutcheon for shower holder	94052XXX	1
23	fixation for Secuflex	96072000	1
24	pressure hose	94174000	1
25	expended nut for Secuflex	96074000	1
26	Secuflexbox	28389000	1
27	handle fixing set	94184000	1
28	handle for shut off unit Allegroh	36993XXX	1
	handle for shut off unit Carlton	17993XXX	1
	handle for shut off unit Starck	10993XXX	1
	handle for shut off unit Uno	38993XXX	1
	handle for shut off unit Citterio	39995XXX	1
29	escutcheon	21828XXX	1
30	diverter unit	96604000	1
31	handle for thermostat Allegroh	36393XXX	1
	handle for thermostat Carlton	17391XXX	1
	handle for thermostat Starck	10996XXX	1
	handle for thermostat Uno	38992XXX	1
	handle for thermostat Citterio	39391XXX	1
32	thermostat cartridge	94282000	1
33	escutcheon	21828XXX	1
34	safety set for temperature control	96626000	1
35	form ring	96331000	1
36	fixing ring	96327000	1

Pos.	Description	Nr.	VE
37	turning handle	97277000	1
38	plug	21826XXX	1
39	hair guard tray	21827XXX	1
40	cross fitting	96389000	1
41	bent outlet	96221000	1
42	sleeve nut	96332000	1
43	sleeve nut	94301000	1
44	fixing bridge	96939000	1
45	sleeve nut	95094000	1
46	flat seal	97075000	1
47	trap cpl.	56373000	1
48	locking screw	95090000	1
49	lever handle for pop-up	96094XXX	1
50	back plate for Exafill cover	95093XXX	1
51	cover	96146XXX	1
52	spout body	95092000	1
53	aerator cpl.	96326000	1
54	fixing ring	95088000	1
55	lever colar	95089000	1
56	form ring	95086000	1
57	reheater 1,5 kW	21905000	1
	reheater 3 kW	21810000	1
58	mounting kit for head rest	97208XXX	1
59	control panel „Spa“	92554000	1
60	control panel „Hydro“	92553000	1
–	non return valve for air inlet	97323000	1
–	polish-set for bathtub	21800000	1
–	service set for bathtub	21801XXX	1
–	non return valve DW15	94074000	1
–	hose clamp Ø 43+ Ø 32	96700000	1
–	hose Ø 32 mm	97321000	1
–	hose Ø 25 mm	97436000	1
–	hose Ø 10 mm	97437000	1
–	silicone oil spray	97684000	1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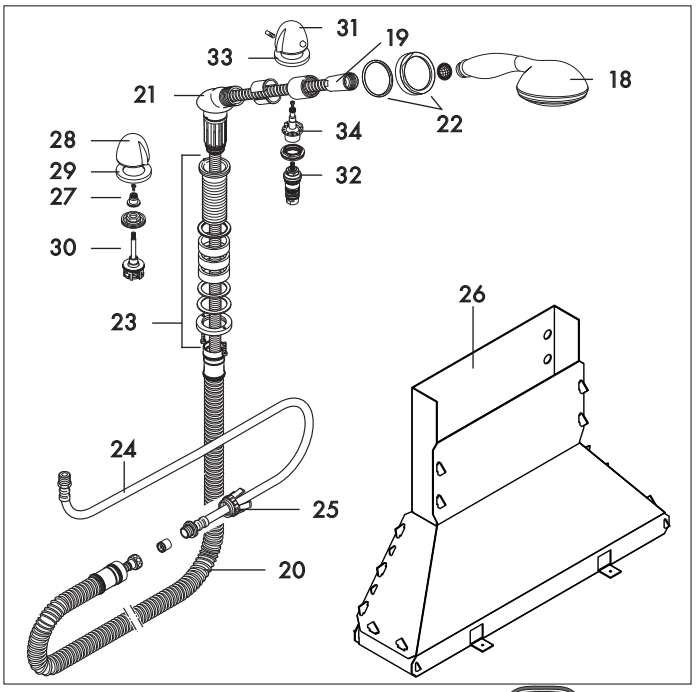
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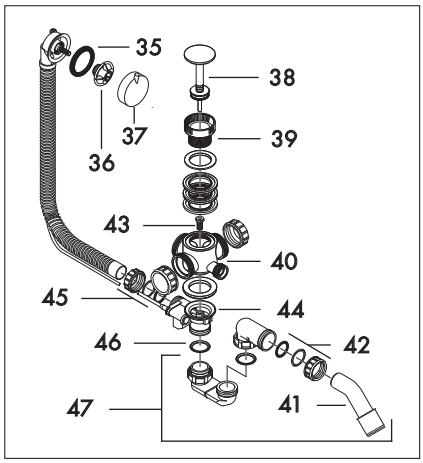
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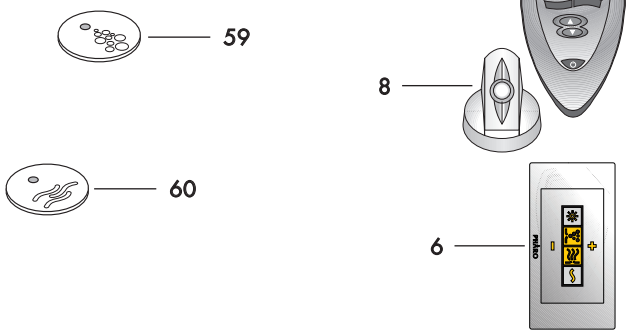
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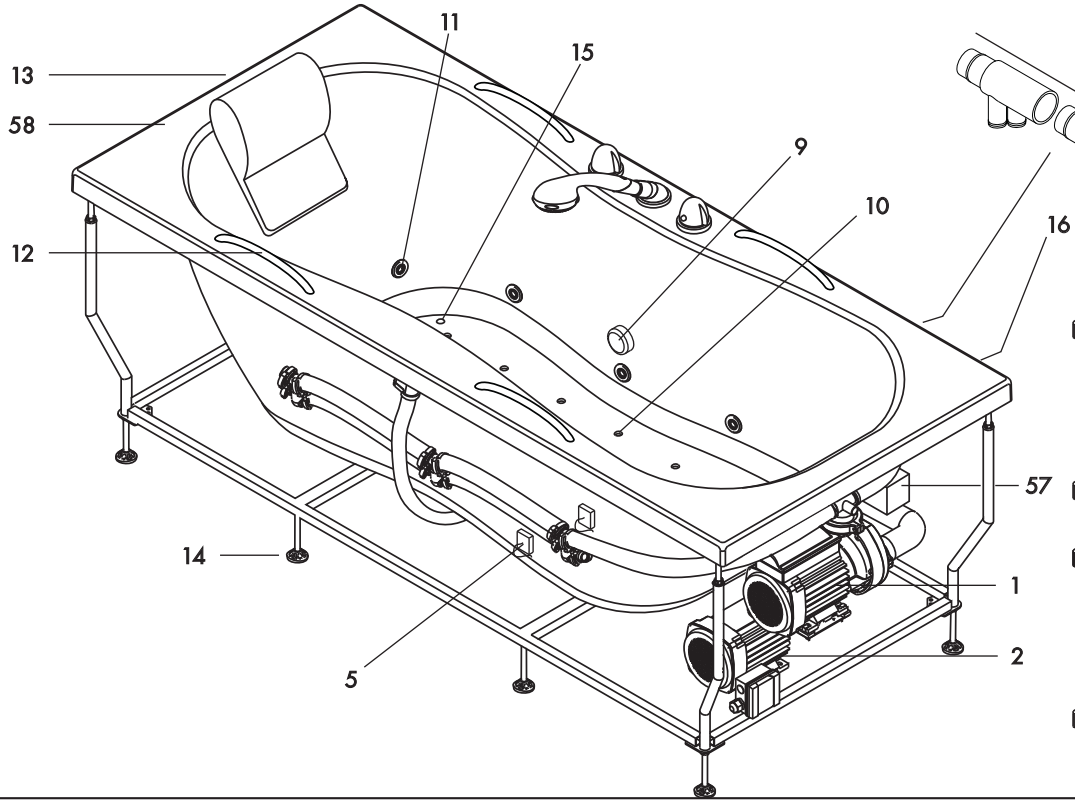
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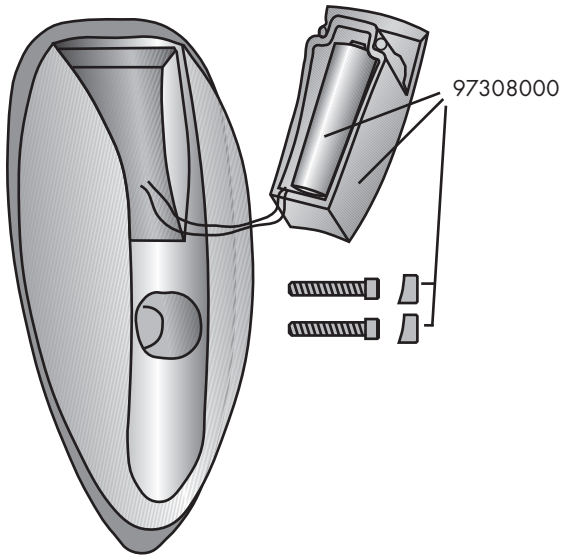
Replacement of rechargeable battery in the Poolkontrol



English

Using bath salts, oils, foam, herbs and algae
Using shampoos or bubble baths is not recommended. The use of normal quantities of bath salts and bath oils causes no problems whatsoever.

Care instructions

Tub surface care instructions
Acrylic products are very easy to clean and service. Hardly any soiling remains on the smooth surface. A soft sponge or soft cloth and some drops of antistatic cleaning agent are recommended for daily cleaning. This restores the gloss of the tub and creates a dirt-repelling effect. Remove stronger soiling with a liquid domestic cleaner or soapy water (observe dilution guidelines).

Calcium
Remove calcification with a citric based cleaning agent, rinse with clear water and polish with a cloth.

Damage caused by improper handling is not covered by our guarantee.

Damage
Minor scratches in the acrylic surface can possibly be removed with Cleopatra polishing paste #21800000.
Burning stains or deep scratches can possibly be repaired with the Cleopatra repair set #21801xxx.

Disinfecting the hydro system
After each use or if the pool has not be used for an extended period of time, you must disinfect the hydro system.
You can use used bath water for the disinfecting process.

- Use sodium hypochloride solution (12%) as a disinfectant (available at the pharmacy). The dosing of the sodium hypochloride is 25 ml for every 100 l of water.
- Add the disinfectant to the used bath water.
- You may fill the tub to the overflow level.
- Turn on the jets (whirl system) for approx. 1 to 2 minutes; now the disinfectant will distribute.
- Let the disinfectant soak for about 30 minutes.
- Turn on the jets for another 2 minutes.
- Drain the water.
- Rinse and clean the tub, the panels and the accessories using the hand shower.
- Ventilate the room generously.

When the whirlpool has not been used for any length of time, it is recommended to disinfect the whirlpool as described above.

Declaration of Performance
according Annex III of Regulation [EU] No. 305/2011
(Construction Product Regulation)
Cleopatra artikelnummer: 90239101 bathtubs without system

Nr. 1_CI

1. Unique identification code of the product type:

Bathtub Series 300, 400, 700 + 800

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Product Number(s):

300er Series

21327xxx, 21342xxx, 21362xxx, 21372xxx, 21382xxx, 22830xxx

400er Series

22824xxx, 22825xxx, 22804xxx, 22814xxx, 22805xxx, 22815xxx, 22806xxx, 22810xxx, 22831000, 22832000

700er Series

21702xxx, 21722xxx, 21742xxx, 21752xxx, 21762xxx, 21772xxx, 21782xxx, 21792xxx, 21797xxx

800er Series

22800xxx, 22802xxx, 22803xxx

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer :

Personal Hygienic

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)

Cleopatra
Handelsweg 45
1525 RG Westknollendam
Niederlande
info@cleopatra.nl

5. Where applicable, name or contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

Not Relevant

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 4

7. In case of declaration of performance concerning a construction product covered by a harmonised standard:

Not Relevant

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Declaration of Performance
according Annex III of Regulation [EU] No. 305/2011
(Construction Product Regulation)
Cleopatra artikelnummer: 90239101 bathtubs without system

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not Relevant

9. Declared Performance:

Essential Characteristics	Performance	Harmonised technical Specification
Clean ability	Fulfilled - Class 1	EN14516:2015-6.2
Durability	Fulfilled - Class 1	EN14516:2015-6.3

Where pursuant to Article 37 or 38 the Specific Technical Documentation has been used, the requirements with which the product complies::

Not applicable

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9, in an un-installed condition. A declaration of performance for the installation must be carried out by the responsible person / company / staff.

The declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4..

Signed for and on behalf of the manufacturer by:

ppa. Marcel Mol (Managing Director Cleopatra)

Westknollendam, the 06th of April 2016

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English

EC Declaration of Conformity according to Low Voltage Directive 2006/95/EC

Cleopatra B.V.
Handelsweg 45
1525 RG Westknollendam, Holland

herewith declares that the following described multifunctional shower installations in our delivered version complies with the appropriate basic safety and health requirement of the EC Directives based on its design and type, as brought into circulation by us. In case of alteration of the product, not agreed upon by us, this declaration will lose its validity.

Product:	**Whirlpool**	
Intended use:	**Personal Hygienic**	
System of the certificate of conformity:	**4**	
Models:	**Cleopatra Whirlpools**	**Series 300,400,700+800** **Luxus Line / Premium Line / WellPool**

Characteristics:	Nominal Voltage:	230V AC / 400V 2N AC 50 Hz	
	Nominal Consumption:	Air System	max. 0,8 kW
		Hydro System	max. 1,7 kW
		Combi System Comfort	max. 2,3 kW
		Combi System Deluxe	max. 5,4 KW
		Combi System Superior	max.5,4 kW
	Protection Class:	I	
	Type of Protection:	IPx5	
	Technische Steuerspannung:	SELV 12V	
Applicable EC-Directives:	**(1) Low Voltage Directive 2006/95/EC** **(2) Directive of Electromagnetic Compatibility 2004/108/EC**		
Applicable Harmonized Standards:	1) DIN EN 12764/A1:2008 (1) DIN EN 60335-2-60/A12:2010 (2) DIN EN 61000-6-3:2011, (2) DIN EN 61000-6-1:2007 (2) DIN EN 60335-1:2012,Parts 19.11.4.1 – 19.11.4.7 (2) DIN EN 62233:2008		
Applied European Standards:	(1) DIN VDE 100-701:2008		
Testing laboratory:	Type examination by	TÜV Product Service GmbH Daimlerstr. 40 D-60314 Frankfurt	

Date / Authorized Signature: 22.10.2014

Title of Signatory: Marc Schrickel
(Director Cleopatra)

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Would you like to know more
about products of Cleopatra?
We like to help you:

Cleopatra · Oostzijde 295 · NL - 1508 EN Zaandam
Tel.: +31 (0)75 647 8200
E-mail: info@cleopatra.nl · Internet: www.cleopatra.nl

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