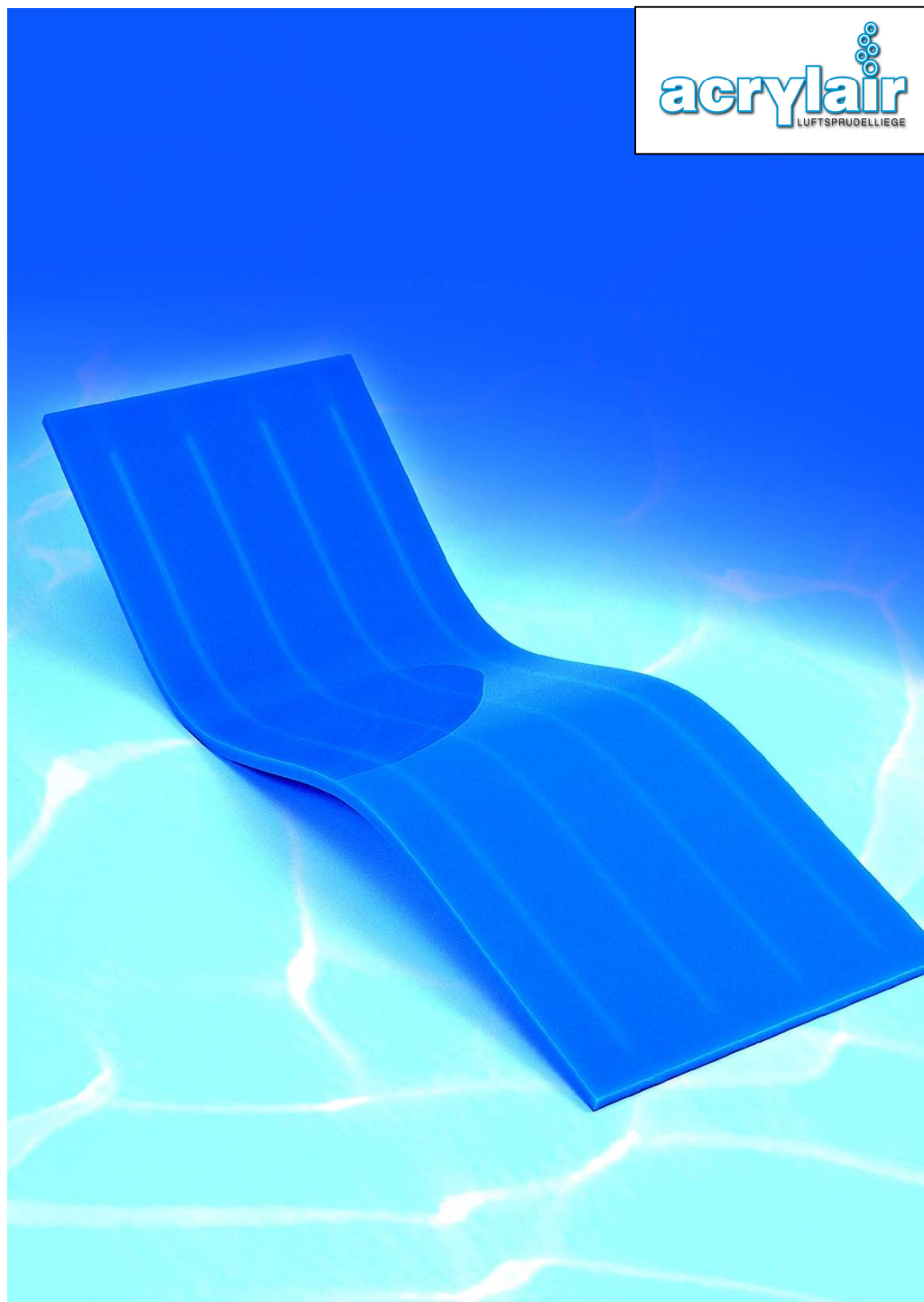


Acrylair Air Bubble Lounger



Operator's manual

Translation of the original



72248-C

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1. General information

Failure to observe the information provided in these assembly instructions voids all claims under the warranty.

1.1. General

All parts coming into contact with media are designed for water quality to DIN 19643.

The Air Loungers are of state-of-the-art technology and they were manufactured with great care under constant quality control conditions.

The operator's manual contains important instructions on how to use the Air Loungers safely, properly and economically. The instructions must be strictly adhered to in order to avoid danger and to ensure that the Air Lounger has a long useful life.

This manual does not take into account local regulations, the observance of which is the responsibility of the operator – also on behalf of installation personnel that may be involved.

1.2. Usage Instructions

Neither the entire unit nor parts thereof must be used in other systems. You are expressly directed to use it only in accordance with these instructions.


Under no circumstances must Air Loungers be used in a way that exceeds the figures quoted in the technical specification. In case of doubt, please contact your customer service or the manufacturer.

1.3. Safety Instructions

Please read this operator's manual carefully before you install and operate the Air Lounger. Make sure that you have understood everything.

- Regardless of what nature they may be, repairs must only be carried out by qualified persons. If necessary, the pool should be emptied.
- The operator must ensure that:
 - the operator's manual is always available for users to read,
 - the instructions in the operator's manual are being observed.
- All parts that come into contact with the medium are resistant to an absolute salt content of up to 10 %. If the salt concentrations are greater than this, the manufacturer must be consulted.

1.4. Safety instructions for the operator

	<p>Caution! Acrylair air bubble lounger is only suitable for operation underwater.</p>
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1. Make certain when the pool is emptied that no direct sunlight strikes the lounger.
2. Cover the lounger immediately!
3. All plastic parts that come in contact with media are resistant even to saturated salt solutions.
4. Please note that the lounger has an elastic joint.
5. **Do not use any agents containing acids, solvents, or alcohol to clean!**

2. Description of the product / technical data

2.1. Description of the product

The Acrylair air bubble lounger is suitable for installation in public and private swimming pools. Version mit Luftkanälen

- Standard with 4 air channels
- Version with air and water available on request
- Brine-resistant
- For installation in tiled concrete pools
- Available in colours blue and white

2.2. Technical data

Material for preassembled kit:	Polyacrylic (Plexiglas)
Material for installation kit:	Galvanised steel
Dimensions:	1380mm x 490mm x 20mm (length x width x height)
Usage temperature:	max. 60°C
Scope:	Chlorinated water; brine and sea water
Weight:	About 25 kg
Operating pressure:	Air - 150 mbar Water - 800 mbar
Max. permissible pressure	Air - 250 mbar Water - 1 bar
Connections:	1x DN40/da50 PVC
Air connection:	60 m³/h
Air output with 4 air channels:	150 mbar
Pressure loss:	1x DN40/da50 PVC
Pump capacity with 3 waterchannels:	8 m³/h (optional)
Pressure loss::	500 mbar

The air bubble lounge consists of a preassembled kit (air bubble lounge, air distributor, mounting bracket) and installation kit (adjusting rails, adjusting feet and fastening parts).

2.3. Piping diagram

<p>Fig. 1: Suggestion for 4 connections Air bubble lounger in series Flow rate per connection: 60m³/h</p> <p>10 Drain line 17 Shut-off unit 18 Check valve 19 Compacter, P = 2.9 kW 30 Clean water line Y Air loop (must run at least 0.5 m above the water level)</p>		<p>Fig. 2: With use of a compacting accessory (schematic diagram)</p> <p>19 Compacter 31/32 Fine filter / sound absorber 33 Heat-resistant pipe 34 Intermediate piece (for use with 31/32 only) 35 Pressure limiting valve Y Air loop (must run at least 0.5 m above the water level)</p>



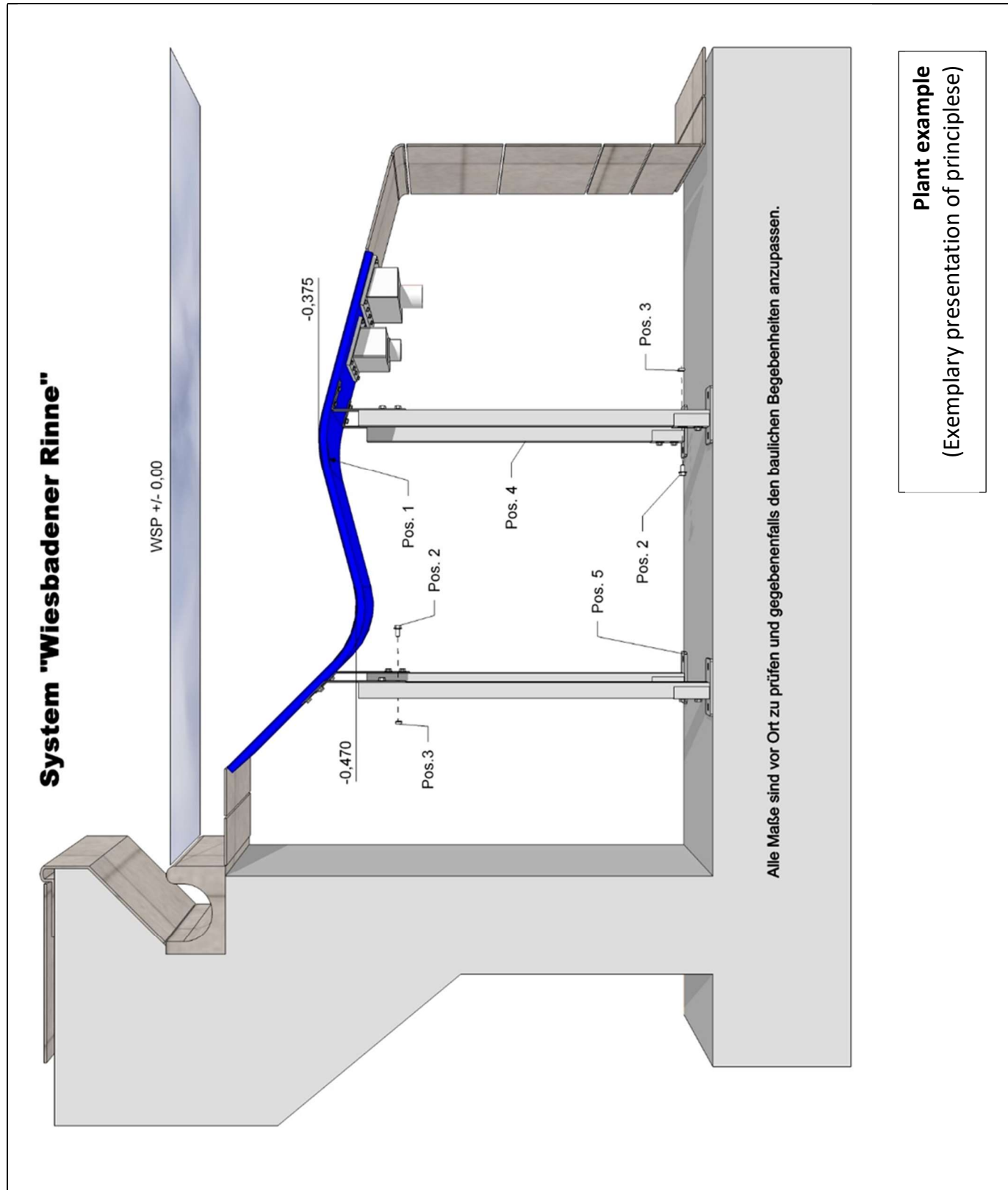
The piping suggestion outlined here does not take into consideration specific details of the actual installation site.



Caution:

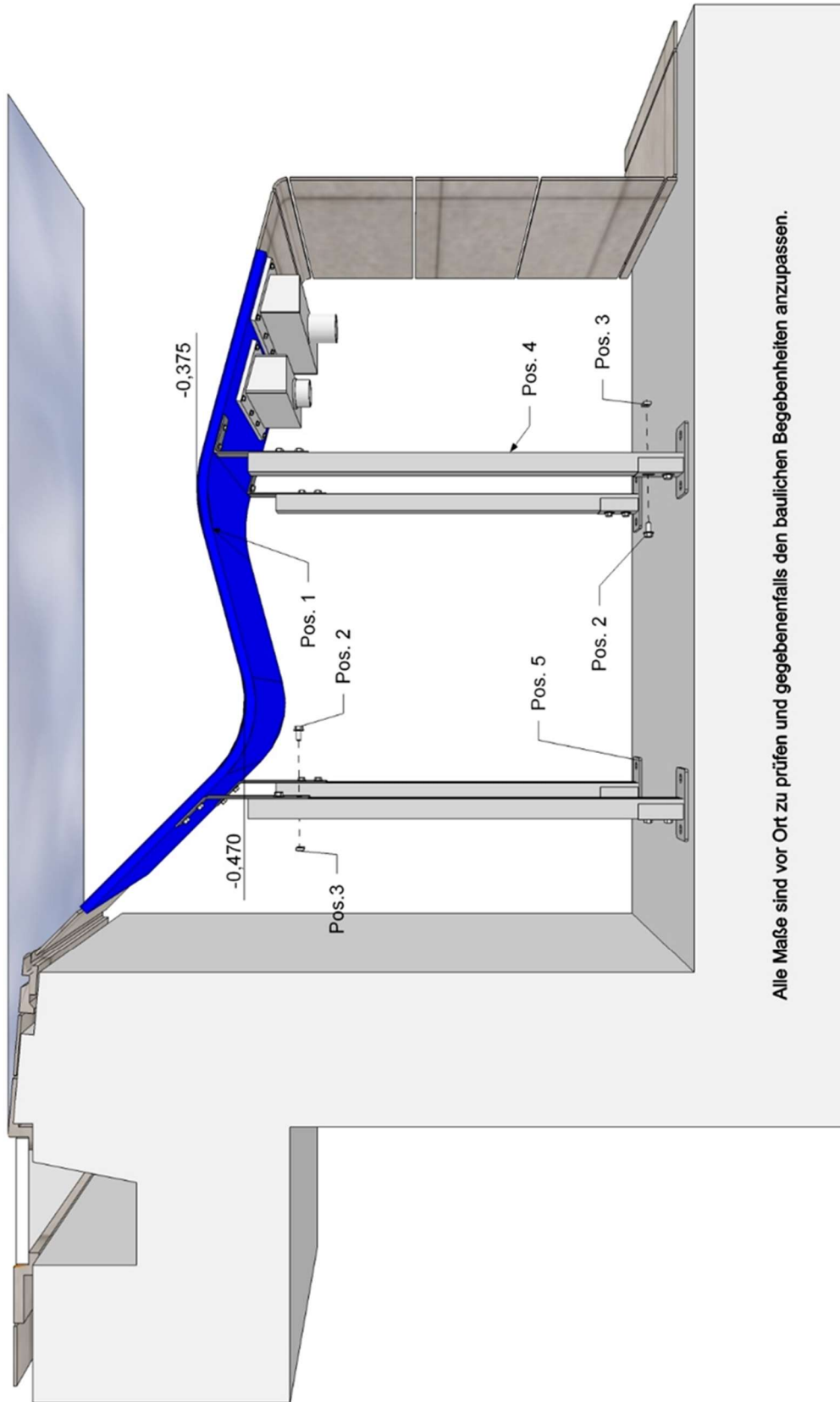
All elements that affect the flow of water must be taken into consideration for exact dimensioning of pipelines.
Above all, make certain that no 90° T pieces or angle pieces are used. In addition, all shut-off elements such as flaps or slides as well as measurement sensors or similar devices must be included when calculating flow loss.

3. Installation options



System "Finnische Rinne"

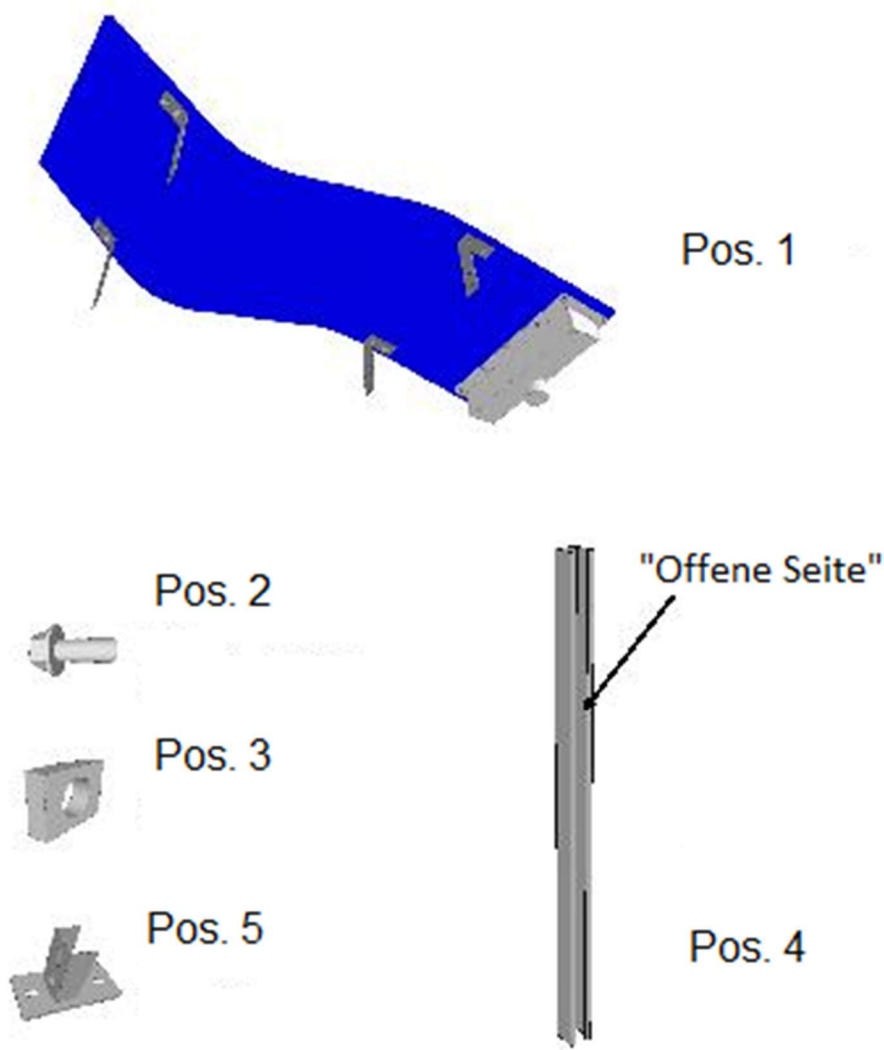
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Alle Maße sind vor Ort zu prüfen und gegebenenfalls den baulichen Begebenheiten anzupassen.

Plant example
(Exemplary presentation of principle)

4. List of materials



Item	Description	Quantity
1	Underwater lounger and mounting bracket	1x
2	Screw M10x20 with washer	16x
3	Slide nut M10	16x
4	Adjusting foot	4x
5	Adjusting rail	4x

5. Preparation for installation and assembly

After concrete work on the bottom of the swimming pool is complete, install the air bubble lounger and set it up in the appropriate position.

5.1. Preparation on for installation



Make certain that all components in the material list are present and check the underwater lounger for any damage that may have occurred during transport.

5.2. Assembly instructions

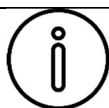
1. Mount the adjusting rails (item 4) with screws M10x20 (item 2) and matching washers together with slide nuts (item 3) on the adjusting foot (item 5).



Caution:

The open side of the adjusting feet must face in the direction of the foot end of the lounger.

2. Now assemble the adjusting rails with adjusting feet, screws M10x20 (item 2), matching washers and slide nuts (item 3) on the preassembled lounger fastening bracket.
3. Place the completely assembled lounger in its intended location and fasten the adjusting feet (item 5) on the bottom with suitable fastening material. The fastening material for the adjusting feet on the bottom is not included with delivery, since the nature of the supporting surface is unknown.
4. To adjust the height of the lounger, loosen the connecting screws between the fastening brackets (items 2+3) and the adjusting rails (item 4). Make certain the distance between the top edge of the adjusting rail and the top of the lounger is not less than 5 cm (if necessary, shorten the adjusting rails uniformly).



The underwater lounger must be installed horizontally as seen along its entire width.

5. Nun kann der Luftverteilerkasten mit PVC-Rohr da50 an der zuführenden Leitung angeschlossen werden.

We recommend routing the connection of each underwater lounger outward individually.



Make certain not to use any agents containing acids, solvents, or alcohol for cleaning!

6. Concrete encasing

6.1. Setting the loungers in place



6.2. Fastening with brackets



6.3. First „dry run“



6.4. Protection fort he second section of concreting



6.5. Second section of concreting



The Acrylair air bubble loungers are holohedral and properly to underfill with concrete topping. Air inclusions are to avoided.



6.6. Completely installed underwater lounger



6.7. In operation



[illegible]



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