*Royal Exclusiv pumps & skimmers*

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Since 1986

## 4. Cleaning and assembly of the skimmer

Bubble King® skimmers can be totally disassembled. Thanks to new production processes with a precision range of 100/mm, all CNC-machined parts have a so-called zero fit. This means that most of the parts are not bonded to each other, but feature precise fits.

All screws are made from pure titanium, grade 2, and are absolutely seawater resistant and rustfree.



Remove all parts which can be dismantled, such as the wedge shaped tube, pot, hose, pump and also the T-piece from the outlet, including all titanium screws. Pull out the red pipe for injection using a sharp tong.
Unscrew injection pan as well as the titanium screw and delime and clean all parts thoroughly. Do not use any abrasives or the like that might damage the surfaces.

***Do not use hot-water over 50°C !***

### 4.1. Assembly

After the skimmer was cleaned completely, reassemble the skimmer as follows:
Only skimmer with MRD: At first, check if the bearing sleeve of the wheel unit on the back was seated properly.













Now take the wheel unit and position in a way that the rectangular slide shows upward. Before installing the wheel unit please assemble the O-ring seal. Properly seated O-ring on the picture on the left side shown.

Reassemble the injection pan, carefully screw in the titanium screws, beat in the injection pipe up to the stop and align screw holes, distribute the screws and screw in crosswise.

Lightly tighten screws!

Finally check the silencer. The upper cover is stuck only and should be easily removable. If not removable, insert a screw driver from the bottom side of the 10 mm air tube and slightly hit the cover. Now, the cover will lift and the silencer is accessible. After an eventual cleaning, re-seat the cover. Please do not insert cotton wool or activated carbon into the silencer. We state explicitly, that the pump cannot be operated in dry run. It is not allowed, even for testing purposes, to check the pumps operability by a dry run or instant damage may result. The skimmer is now operational again.