

# Water Features

## Installation & General Care Instructions

### Installation Care

Glass Fibre Reinforced Concrete (GFRC) Water Features are extremely robust and age gracefully over time. However, like any stone type product they are susceptible to chipping or cracking if not handled well during installation. Therefore, it is strongly recommended that you adhere to the following installation care guidelines: -

- Always have at least two people available during the installation. Water features can be heavy and/or awkward to lift.
- Do not unpack the water feature until you are ready to install it.
- Remove packing material with care to avoid chipping or scraping the water feature.
- Do not roll or drag the water feature into place. Lift and place it.
- If you need to place the water feature temporarily onto a hard surface after unpacking, make sure you place some type of cushioning material under the water feature to avoid damage.
- If the water feature is to be attached to a wall make sure the attachment bolts on the wall are secure and strong enough to hold the weight of the water feature with a full pond of water.
- Ensure you have a water pump that has been specified for the water feature you are installing. This is very important.
- All Satu Bumi water features come with a flow adjuster on the water pipe to which the pump needs to be attached. This can be used to reduce the water flow from the water pump where the water pressure is causing water to splash or squirt from the water feature.

### Pump Specifications

All water features are designed to operate in a specific way based on a specific water flow volume. Therefore, it is essential that you use the correct type and size of pump with your water feature (measured by litres of water being pumped per hour) as recommended below.

Water Feature Name	Suggested Pump Specifications		Water Feature Name	Suggested Pump Specifications
Noosa	850 LITERS / HOUR		Classic – Extra Large	2,800 LITERS / HOUR
Feist	850 LITERS / HOUR		Zen – Medium	1,300 LITERS / HOUR
Enterprise	850 LITERS / HOUR		Zen – Small	2,000 LITERS / HOUR
Caduceus - Large	2,300 LITERS / HOUR		Givenchy – 1 Tier	1,300 LITERS / HOUR
Caduceus - Small	1,200 LITERS / HOUR		Givenchy – 2 Tier	2,000 LITERS / HOUR
Apollo (with texture)	2,000 LITERS / HOUR		Givenchy – 3 Tier	2,000 LITERS / HOUR
Du Pont	350 LITERS / HOUR		Forum – Small	1,300 LITERS / HOUR
Du Pont Square	1,300 LITERS / HOUR		Forum - Large	2,000 LITERS / HOUR
Water Wall Square	2,000 LITERS / HOUR		Cairo	1,300 LITERS / HOUR
Scroll	1,300 LITERS / HOUR		Khmer Buddha - Large	2,000 LITERS / HOUR
Ball – Enterprise texture	1,300 LITERS / HOUR		Khmer Buddha - Small	1,300 LITERS / HOUR
Ball – Ripple texture	2,000 LITERS / HOUR		Melbourne	1,200 LITERS / HOUR
Osaka	1,300 LITERS / HOUR		Volcano – Small	1,300 LITERS / HOUR
Classic Ripple – Medium	1,300 LITERS / HOUR		Volcano - Large	2,000 LITERS / HOUR
Classic Ripple - Large	2,000 LITERS / HOUR		Classic – Extra Large	2,800 LITERS / HOUR
Zen – Medium	1,300 LITERS / HOUR			

### General Care

#### Replenish the water regularly.

Change and/or top-up the water in the water feature regularly. Add a water-activated granular algaecide with each water change. Fresh water helps to keep the water feature operating well. Where possible avoid using bore water or water with a high mineral content. This will avoid the build-up of unsightly mineral deposits on the water feature.

#### How to fix chips on the surface of your GFRC water feature.

- Sand off small chips lightly to remove sharp edges.
- Glue larger chipped off pieces with cement glue that is readily available from your local hardware store.
- Touch-up any loss of colour with a similar colour wood stain if you do not have a specialised touch-up kit.

#### How to prepare your GFRC water feature for winter in cold climates.

- Remove plants when frost starts to appear. If possible, cover the water feature.
- Clear algae. Algae can be easily cleared with the use of a water-activated granular algaecide.
- Remove the water. When water freezes, it expands and could crack the pond.
- Remove the pump, submerge in a bucket of water to stop the seals from drying out and store undercover.

### Pump Maintenance

If you notice a reduction in the water flow: -

- It may mean that the water level has dropped due to evaporation and you need to top up the water level.
- It may also mean that the pump filter needs cleaning. This is normally a simple process of: -
  - Removing the pump and cleaning it.
  - Remove any algae or debris from the pond
  - Replacing the water.
  - Returning the pump into position – but make sure the pump is well covered with water to avoid it heating up and burning out.