



Offset Reservoir Systems Information Sheet



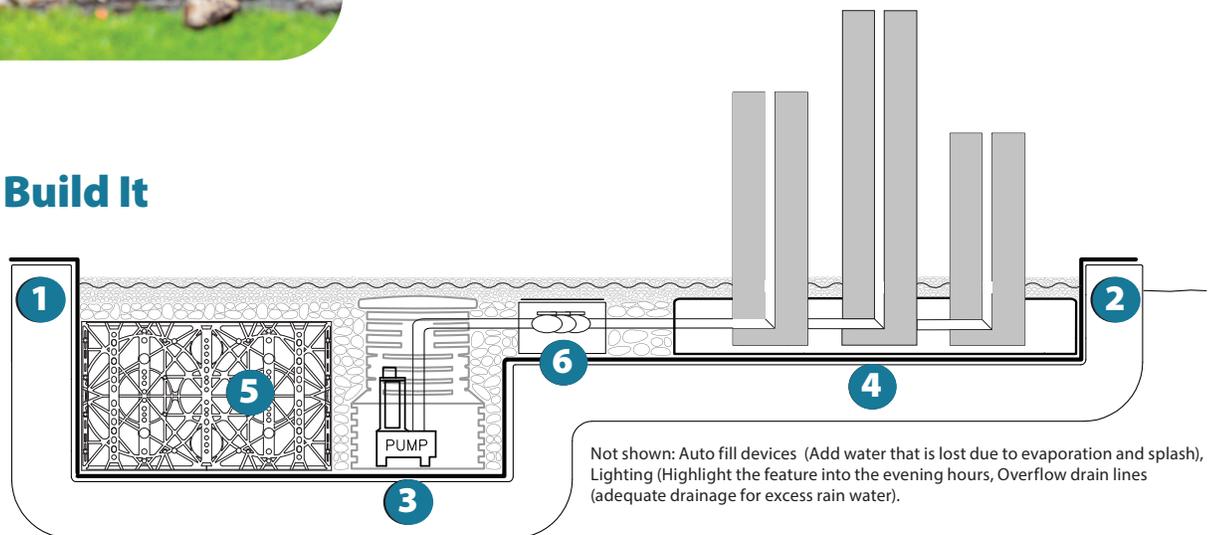
Tackle that high-impact water feature safely and easily with an offset reservoir system!

Offset reservoir systems are a scalable solution for safe and secure installation of oversized and heavyweight water features like large basalts, concrete fountains and core-drilled boulders that require recirculating water.

Key benefits are:

- Proper support of large bubbling features
- Avoid failures of undersized basins
- Keep your clients safe from toppling columns of stone, or other water features
- Maintaining adequate water supply and storage
- Ability to create large, custom-sized splash zones to minimize water loss
- Pumps and plumbing are hidden but easily accessible for future maintenance

Build It



Not shown: Auto fill devices (Add water that is lost due to evaporation and splash), Lighting (Highlight the feature into the evening hours, Overflow drain lines (adequate drainage for excess rain water).

- 1 45 mil EPDM rubber liner contains the water in the offset reservoir system.
- 2 Use of non-woven geotextile (top and bottom) will provide extra protection for the rubber liner.
- 3 Pump is placed in pump vault for easier maintenance and helps prevent clogging from debris.
- 4 Basalts or heavy stones are supported and secured with a poured concrete slab over a compacted and stable base.
- 5 High Strength Res-Cubes help provide additional void space for water storage.
- 6 Valves in a valve box provide for easy access to flow control of the feature.

Chlorinated systems will not be compatible with EPDM liner, however, the concept of an offset reservoir can be used with these systems. The pump and plumbing schematic with filtration systems would be similar to that of a formal fountain. A typical section view of this can be found in our catalog, in the Formal Fountains section.