PUMP WELL & UNIVERSAL RISER

Important Before You Begin

- Obtain all required local authority approvals.
- Installation must be carried out by appropriately qualified persons including licensed plumbers and electricians.
- Installer must confirm local authority acceptance of Pump Well use prior to installation.
- Not suitable for trafficable applications.

Site Requirements

- Must NOT be installed in areas exposed to vehicular or regular pedestrian traffic.
- Install in garden areas only.
- Finished installation should be covered with mulch or landscaping material.
- High water table areas may require additional anchorage.

Safety

- Take care when working around excavated holes.
- Deep excavations may be considered confined spaces. Follow local/state regulations.
- Use lifting holes when lowering the Pump Well.
- Empty pump wells weigh in excess of 42kg–70kg depending on model. Use safe manual handling practices.

Excavation

250L / 450L / 600L Units

- Minimum excavation diameter: greater than 1500mm.
- Depth: up to 1300mm.
- Deeper excavation permitted when using a riser.
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1000L Unit

- Minimum excavation diameter: greater than 1500mm.
- Depth: up to 1900mm.
- Deeper excavation permitted when using a riser.

For all models:

- Remove roots, stones and debris from sides and base.
- Line base with 50mm of sand or 3mm pea gravel.

Pump Well Preparation

- Select correct inlet port based on pipe invert level.
- Cut inlet using an appropriately sized hole saw.
- Seal all penetrations using supplied rubber rings, rubber seals or bulkhead fittings.
- Cut discharge outlet opening as required.
- Cut opening for electrical conduit glands.
- All inlet connections accept standard DN100 uPVC pipe with rubber rings.

Positioning & Connection

1. Remove access cover.
2. Clear debris from inside vessel.
3. Lower Pump Well using lifting holes.
4. Seat firmly on prepared sand base.
5. Connect 100mm drain pipe to Pump Well.
6. Install pump and discharge fittings as required.
7. Apply a silicone bead to the lid lip (for 250L/450L/600L models).
8. Secure access cover using supplied stainless steel screws.

Backfilling

- Backfill evenly and compact progressively.
- Ensure vessel remains level during backfilling.
- Protect pipework during compaction.
- Build a bund above finished level to divert stormwater away from installation.

Anchorage (High Water Table Conditions)

250L / 450L / 600L Units

- Install square concrete slab 1.35m x 1.35m.
- Depth: 0.22m to underside of flange.
- Insert N12 steel rod through tie-down holes to secure Pump Well to slab.

1000L Unit

- Concrete encasement may be required in flood-prone areas.
- A concrete tube approximately 1220mm outside diameter x 850mm high (approx. 700kg mass) is recommended to counter buoyancy.

Universal Riser Compatibility

- 1000L Polymer Pump Well.
- 250L / 450L Polymer Pump Well.

Installing the Riser

1. Fit the Universal Riser onto the top rim of the Pump Well.
2. Secure the flange of the riser to the vessel rim using self-tapping screws, following the correct drill guide for the model.
3. Attach the existing access cover to the top of the riser using self-tapping screws.

Optional: Increasing Height

- Stack a second riser on top of the first riser.
- Secure using the appropriate drill guide.
- Reattach the cover securely.

Optional: Shortening Height

- Cut the riser at one of the designated cutting points using a jigsaw or suitable cutting tool.
- Ensure cut is clean and level.
- Reattach the cover securely.

Important Notes

- Pump Wells are designed for on-site wastewater treatment and disposal applications only.
- Tested to AS/NZS 1546.1.
- Not WaterMark certified for sewer connection.
- Not suitable for trafficable installations.
- Always check with local authorities prior to installation.