

Flood Damage Prevention

Quick Release Instructions

The quick release mechanism is to allow rapid removal of the top section of the WD3000N Water Filling Stations, for use in flood prone locations. With two men or a utility, the control cabinet and switchboard can be removed in seconds. This leaves the plumbing system to go under water which survives without issue.

The top cabinets are joined together and sit on a stainless frame, which connects to the plumbing cabinet by keyhole engaging corner locating pins.

Removal

1. Two (or more) able bodied persons.
2. Open switchboard.
3. Withdraw locking pin.
4. Push cabinets towards the control cabinet end (moves 40mm).
5. Lift cabinets off (electrical connections automatically disengage)

Reinstallation

1. Place cabinets in position (control circuit forward). (They will sit on four corner spacers).
2. Move cabinets 40mm towards the switchboard.
3. The cabinets will drop as the spacers align with mating holes.
4. Push cabinets towards the switchboard.
5. Insert the lock pin (if lost, any bolt or pin will do).

Details

Physical

The cabinets are located and held in place by four corner keyhole slots in a stainless steel adaptor frame, which is attached to the top cabinets. Matching grooved spacers are fitted to the lower cabinet. This assembly can be retrofitted to any cabinet, utilising preexisting bolt holes.

Electrical

Electrical connections automatically make by self-aligning plugs and sockets that duplicate

the contacts for all low voltage circuits.

Electrical connections are terminated on screw terminal blocks, to facilitate ease of on-site conversions.

Alternate Electrical

Although the self-locating electrical plugs are recommended, an in-field conversion can also be achieved by utilising any in lead plug and socket arrangement that customers choose to use.

Post Flood Recommissioning

Should the machine go underwater (less the control cabinet as it was removed) the machine will need to be hosed down with fresh water, to remove the mud etc. Then the electrical plugs and lead will need to be carefully washed and allowed to dry. This includes the solenoid valve plug to the plumbing and the flow meter sensor, as well as the plugs and sockets forming connection to the control cabinet.

All of the electrical contacts should be washed with isopropyl alcohol or methylated spirits and perhaps coated with just a smear of Vaseline. This procedure should be sufficient; however for a really thorough clean the stainless steel tube on the plumbing cabinet top (that carries the electrical plugs / sockets) can be unscrewed, allowing cleaning of the internal connections.

Service Support

Telephone or email support is always available, phone: 02 9939 2844, email: contact@abberfield.com.au with office hours 7am to 5pm. After hours the telephone will transfer to a 24/7 emergency support number.



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