

FRWA GridBee SN1 In-Tank Mixer Installation



Download GridBee SN1 User manual:

<https://www.ixomwatercare.com/documents/owners-manual-sn1/download>

We removed each component of the GridBee SN1 from shipping container.

Reduced water levels in storage tank to minimum level and took tank offline for duration of the installation. Also have adequate sodium hypochlorite on hand to disinfect storage tank after installation of GridBee mixer is completed. Mixer will effectively distribute chlorine in tank and volatilize excessive chlorine in tank prior to bringing back online.

Attached intake hose to pump using large band clamp



Electrician wired GridBee SN1 mixer for 220v power and installed standard 110v power cord onto the included exhaust blower fan



Installed hose intake support onto intake side of hose with brace using large band clamp



Sealed wired connections in PVC protective cap using waterproof epoxy potting adhesive. For future use, this connection will be permanent and power cable will follow mixer. Please remember to neatly coil power cable and secure for transit.



Lowered intake end of hose with support into storage tank. Set up intake end of hose at stagnant area of storage tank to encourage efficient mixing.



Lowered GridBee SN1 mixer into storage tank using included support chain. Placed mixer into best position available in tank to avoid spray contact with any pump intake (high velocity mixer spray can damage pump intakes through friction erosion)



Anchored mixer securely into place using included cement anchors and stainless steel chain



We then installed the storage tank ventilation fan and connected to 110v power supply. The fan is used to blow fresh air into tank forcing volatilized DBP out of tank head space, through tank vents. Make sure that storage tank is properly vented before installing fan.



Super chlorinated storage tank after installation to 5ppm before running Gridbee mixer continuously to reduce chlorine in tank. Tested chlorine residual in storage tank after GridBee mixer running for 1 hour. Free chlorine residual in tank measured 2.0 ppm prior to bringing storage tank back online.

Note: Chlorine residuals in a finished water tank should be closely monitored for extended period (minimum 2 weeks) after mixer installation. We have seen elevated chlorine residuals in storage tank after mixing, probably due to reduced water age. Very important to monitor disinfectant levels as each storage tank may have different results.