
Maintenance

Inspection

The VortClarex system should be checked periodically to determine if excessive amounts of solids and/or oils have accumulated. Solids accumulation in the lower sections of the VortClarex coalescing media will reduce oil removal efficiencies. Regular inspection and maintenance will eliminate any compromise in performance due to solids build-up.

After the first 6 months of operation, the inlet area should be inspected and cleaned as follows:

1. Remove separator cover.
2. Dispose of separated oil per regulatory procedures.
3. Remove water from separator.

Measure and record the depth of the solids. Use this measurement as the basis for the next solids inspection and clean out. Consult the VortClarex drawings for depth of sludge baffle. Solids should not exceed this depth.

Cleaning

The VortClarex coalescing media can be cleaned either while in the system or after removal from the system.

Cleaning in place

1. Using a water hose, direct spray (10-15 psi) into plate spacing on top of the plate packs.
2. Using a vacuum suction hose, remove any sediment or oily contaminants that are flushed out of the coalescing media.

Cleaning after removal

1. Pump all water and oily contaminants from the VortClarex system.
2. Remove coalescing media.
3. Place media on an impervious surface lined with 6 mil plastic sheeting surrounded by a berm to prevent discharge of contaminated water into surface or groundwater.
4. Flush media with water hose (10-15 psi) to remove heavy oil coating or sludge from between the corrugated plates.
5. Examine tank interior for damage and repair any damage to internal coating.
6. Reinstall VortClarex coalescing media into original position, making sure that the media sections are securely in place.