

Installation & Maintenance Information

Thank you for selecting a STERLING[®] separator.

STERLING's large oil/water separators were designed to make optimal use of existing filtration media technology without the need for the creation of expensive custom filtration tanks.

By utilising standard industrial IBCs, STERLING[®] has leveraged both economies of scale and the benefits of industrial standardisation resulting in a product of incredible efficacy and efficiency that offers long-term service life and simplicity of servicing.

Please take a few moments to read these notes, as they will ensure you (and the environment) get the best possible performance from your oil/water separator

Installation

***Choose** a flat level location with good access, as a fork truck or similar is needed for installation and service. Consider the availability of a sewer drain to discharge cleaned condensate.

***Check** with the appropriate local authority to ensure compliance with local disposal regulations

***Connect** the inlet feed(s) into one or both of the ports on the diffuser. *Final connections to the diffuser must be in flexible braided hose, allowing the diffuser to sit squarely on the tank without strain*

***If the system** is of a size that requires more than one separator, feed the incoming stream through the STERLING[®] CSEQ3 manifold/splitter (see overleaf). Use of this device will balance the condensate flow between separators ensuring that service intervals are maintained equally.

***Connect** the separator outlet to the sewer drain ensuring a free flow without restriction in the pipes. If in doubt, pre-fill the tank and monitor the outflow. Take care that the pipes will not block through freezing in winter conditions.

***Open** the stop valve. Move the lever forward until it almost touches the outlet pipe. The unit can now be commissioned.



Notes:

- By design, the diffuser merely rests on the tank; there is no need for a seal or fixing.
- In operation, liquid level in the tank should be no higher than the outlet point. If it is higher, immediately check the outlet is free flowing and that excess condensate is not entering the unit.
- It isn't imperative to pre-fill the separator with water, but if it's convenient to do so it's useful to test the flow through the outlet pipes. There may also be a marginal performance benefit over time.

Regular checks

Using the supplied jar, take a weekly sample from the outlet of each separator. Compare it with the opacity indicator strip on the side of the jar. If the condensate's cloudiness is the same as (or more opaque than) the strip, it's time to change the filter medium.

Servicing

Servicing should be undertaken after a maximum of 16,000 operating hours or when the test sample indicates it is required - whichever is the sooner.

Ensure the separator is off line by shutting isolators. Otherwise, carry out service when the air system is de-pressurised.

Make sure the valve at the base of the separator (where the outlet pipe connects) is CLOSED. (I.e. the lever is pushed close to the tank body)

Disconnect the condensate feed(s) from the pressure relief chamber, and the plastic pipe from the separator outlet. Make sure these items are clear of the separator body and retain them.

Remove the IBC complete with oily waste. This will need to go for disposal at a local licensed site - along with other oil-contaminated waste from site or as a one-off contract.

Replace the IBC with a new pre-filled unit CSxxxIBC from your original supplier and re-connect as before.

Ensure joints are tight and that the stop valve is open. Re-start / re-connect as required

CSEQ3 manifold

CSEQ3 accepts multiple condensate feeds, combines them, then redistributes them effectively equally between up to 3 outlets. The benefit is that multiple separators (of any type or brand) will do equal work and so maximise the service lifetime of all connected devices.



Other Services from STERLING

STERLING[®] is a long-term specialist in condensate management, supplying an exceptional range of oil/water separators rated for systems from 75 to 7000 cfm (2.1 to 200 m³/min)

To support these products we offer a wide range of condensate drains and accessories.

STERLING[®] produces service kits to fit most makes of oil/water separator, in many cases improving the performance of the original

Our range of compressed air filtration products is extensive, covering elements to suit hundreds of different brands of in-line filters - from stock