

CS100IBC & CS200IBC

oil/water separators

STERLING[®]
separation

“the product of experience”

Same problem - bigger solution

Offering unique user benefits, CS100IBC & CS200IBC are reliable and uncompromising allies in the fight against pollution and the battle for legislative compliance for users of large compressed air systems.

These large **STERLING**[®] cleaners are designed to remove oil from compressed air condensate down to levels that are sufficiently low that discharge of treated condensate to the sewer is permitted.



Key features

- Environmentally clean, lightweight filter medium
- No moving parts - no floats, weirs, oil containers or sensors
- No pre-soaking of filtration medium
- No power consumption, small footprint
- ★ ● No maintenance required (except weekly quality check) for up to 16,000 hours
- Cartridge-type replacement filter ensures quick & clean service routine.
- ★ ● Economically engineered—Lowest ‘cost of ownership’ of all possible solutions
- Works on mineral oils and mineral-based synthetics - contact us regarding PAG
- Up to 2 years between services at capacities of **3500 or 7000 cfm (100 or 200 m³/min)**



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How they work

Condensate from the air system (and any compressed air also released) is fed into the substantial pressure relief chamber, allowing calm entry of condensate into the filter chamber.

The chamber is a standard container (IBC) of either 600 or 1000 litres (model dependent).

The IBC contains balanced proportions of coarse polypropylene shred to remove bulk oil, and **STERLING's** oil-adsorbing PP wool. Oil is adsorbed onto the filter material as condensate passes through the filter bed. The result is a discharge quality that betters the legal limit for oil in the discharge to a sewer (limit typically 15-20 ppm)

A drainage channel collects cleaned condensate at the base of the filter bed, feeding it out through push-fit pipe-work, .

A 'tee' piece and tap provide an outlet condition monitoring point. The end-of-life outlet quality should be well below 15 ppm in normal operation.

At the end of its 2-year service life, the complete IBC with filter material and oil residues inside should be taken for disposal at a registered site, as a one-off operation. The pressure relief chamber and outlet pipes are retained to be connected to a new container filled with clean **STERLING[®]** material.

Simple, inexpensive, and made in Britain by **STERLING[®] Separation Ltd**

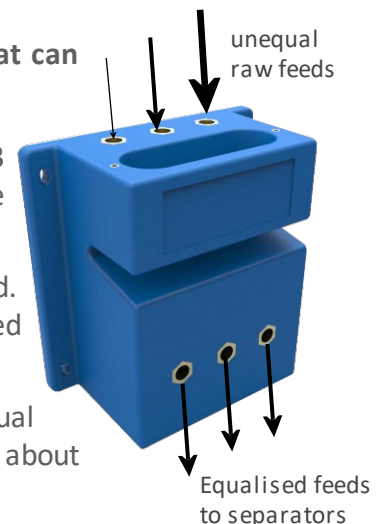
Finishing the job.

From our experience in dealing with large systems, it's often the little things that can prevent good plant from doing a great job

For a very large compressed air installation it may be necessary to use 2 or even 3 separators working in parallel. In such a case it's vital to ensure that each device takes its fair share of the load.

If not, one will overflow or need an early service, while another may be under-utilised. It's not efficient to make extra service visits and it's wasteful to change out unused filters.

We've developed our condensate splitter/manifold to resolve the problem. Unequal feeds go in from the system - balanced loads come out to the separators. Ask about **CSEQ3** - it will improve performance of any multi-separator installation



STERLING's other products include 3rd party service kits for oil/water separators, all types of condensate drains, compressed air filters and 3rd party cartridges

