

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 foul sewer is generally permitted.

STERLING products, both current and those under development are exhaustively tested both in laboratory and field conditions to ensure they will meet your exacting standards of performance.



These days, with **STERLING** oil/water separator filter kits working reliably for millions of hours around the world you know that our practical, real-world experience is inside every machine we ship.

But we never stop improving. These units now ship with a new purpose designed moulded diffuser that improves inlet dispersion across the filter media

Features and benefits

- Environmentally clean, lightweight 'filter' medium
- No moving parts - no floats, weirs or oil containers
- No pre-soaking of filtration medium. Just connect the condensate drains and leave it to work
- No power consumption, small footprint, quick and simple installation
- No maintenance required until service exchange is due (except weekly quality check)
- Cartridge-type replacement filter ensures clean & quick service routine.
- Economically engineered—makes use of standard parts where possible
- Lowest 'cost of ownership' of all available solutions is possible
- Up to 2 years between services at capacities of (100 or 200 m³/min) 3500 or 7000 cfm
- Works equally well on mineral oils and mineral-based synthetics
- For emulsified or heavily contaminated condensates select the 'AF' (activated filter) version

CS100IBC & CS200IBC

High capacity condensate cleaners

Functional description

Condensate discharged from the air system (together with any compressed air also released) is fed into the substantial pressure relief chamber. Here the energy of discharge is dissipated, allowing calm entry of the condensate into the filter chamber.

The chamber is built from a standard IBC (intermediate bulk container) with a total volume of either 600 or 1000 litres (model dependent).

Most of this volume is filled with balanced proportions of coarse polypropylene shred to remove bulk oil, and **STERLING's** oil-adsorbing PP wool, having extremely high oil capacity and the capability to clean condensate down to levels that can be legally discharged to a foul drain.

Hydrocarbons are adsorbed onto the **STERLING** filaments as condensate passes through the filter bed.

A drainage channel collects cleaned condensate at the base of the filter bed, feeding it out through push-fit pipe-work, where the outlet position sets the water level in the filter chamber. A vertical extension pipe prevents siphoning in the discharge pipe.

A 'tee' piece and tap provide an outlet condition monitoring point. The end-of-life outlet quality should be well below 20ppm 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 with clean **STERLING** material.

Simple, inexpensive, and made in Britain by **STERLING**

	Capacity	Service life	Connections inlet / outlet	L x W x H (mm) approx	Disposal weight (kg) approx.	Performance	Service kit part #
CS100IBC & (AF)	3500 cfm (100 m ³ /min)	First of 16,000 hrs or 2 years	2 x 3/4" BSP / 22mm pipe	1325 x 800 X 1420 high	650 kg	Better than 20ppm at end of life	CS100IBCK
CS200IBC & (AF)	7000 cfm (200 m ³ /min)	First of 16,000 hrs or 2 years	2 x 3/4" BSP / 22mm pipe	1325 x 1000 x 1590 high	1060 kg	Better than 20ppm at end of life	CS200IBCK

AF version requires reactivation dose each 4000 hours. Filter life is up to 1600 hours depending on contamination level.

** CS100/200IBC are rated for use on compressor systems using mineral or mineral-based lubricants. Contact **STERLING** regarding PAG lubricants, but in any case de-rate by at least 50%*

*** It is the user's responsibility to verify discharge allowances in his/her region*

**** Assumes compressor system's oil carry-over is no more than 5mg/m³*



Your **STERLING supplier:**