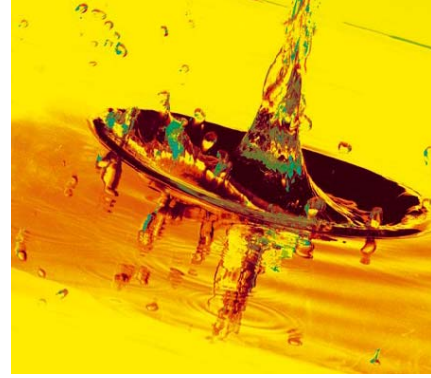




SEPURA 3500 & 7000



High capacity compressed air condensate cleaners

Available exclusively from Condensate Systems Ltd, and probably the world's largest capacity condensate cleaners, SEPURA 3500 & 7000 are uncompromising and reliable allies in the fight against pollution and the battle for legislative compliance for the bigger air users.

- Unique and patented environmentally clean recycled filter medium
- A pragmatic approach to effectiveness of design and cost awareness
- No moving parts
- No power consumption
- Low maintenance required until service exchange is due
- Up to 2 years between services at normal capacities of 3500 or 7000 cfm (100 or 200 m³/min)
- 5000 or 10000 cfm (140 or 285 m³/min) is possible depending upon site conditions, shift patterns and plant specification.



SEPURA 3500/7000 is the right choice

For too long, the large user of compressed air has been offered a difficult choice between condensate cleaning technologies, emulsion splitters or multiple 'carbon bag' separators.

If a splitter is chosen only for its large capacity, the penalty is high initial cost, complexity and high maintenance.

Multiple small separators are notoriously tricky to balance on installation, which results in poor performance, unreliability and expensive waste.

SEPURA 3500 & 7000 offer the best of both worlds. High capacity, simple installation, low running costs and pure performance.

SEPURA 3500 & 7000 can even handle stable emulsions — condensate samples are required to determine performance and capacity before an order can be accepted.

SEPURA's condensate cleaners range from 60 to 10000 cfm. We also sell high quality condensate drains.





SEPURA 3500 & 7000



High capacity, low maintenance compressed air condensate cleaners

General description

The chamber is built from a standard and inexpensive IBC (intermediate bulk container) with a total volume of approx 600 or 1000 litres (model dependent). 80% of this volume is filled with **SEPURA STERLING**, a patented oil adsorbing material with extremely high oil capacity and the capability to clean condensate down to <5 mg/ml (5ppm) oil content. The filter bed is submerged in condensate during operation.

These large SEPURA 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 allowed.

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

A drainage channel collects cleaned condensate at the base of the filter bed, feeding it out through simple push-fit pipe-work, where the outlet position determines the height of water within the filter chamber. A vertical extension pipe ensures siphoning does not occur in the discharge pipe.

A 'tee' piece and tap provide an outlet condition monitoring point.

At the end of its service life, the IBC, complete with oil residues is taken away for disposal at a registered site. The pressure relief chamber and discharge pipe-work are retained for connection to a new container with a clean STERLING filter.

Specifications: SEP 3500 and SEP 7000

Based on oil carry-over of no more than 5mg/m3 from compressors. (Usually well within manufacturers' quoted figures)

Model	Filter volume	Filter medium	Max. condensate flow (litre/hr)	Oil retention capacity (litres)	Filter life at standard capacity	Filter life at max flow
SEP 3500	400 litres (approx)	SEPURA STERLING	175	125/150	16,000 hours	8000 hours At 5000 cfm
SEP 7000	800 litres (approx)	SEPURA STERLING	350	250/300	16,000 hours	8,000 hours At 10,000 cfm
Model	Size—mm (L*W*H)	Disposal weight (kg) (approx)	Connections Inlet	Outlet	Sampling method	Outlet oil p.p.m. at end of life
SEP 3500	1200*800*1350	200 drained 480 full	2 * 3/4" BSP	22mm air pipe	Visual comparator	<20ppm
SEP 7000	1200*1000*1475	360 drained 860 full	2 * 3/4" BSP	22mm air pipe	Visual comparator	<20ppm

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