



Offering unique user benefits, **SEP3500ST & SEP7000ST** 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 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.

## High Capacity

### Features and benefits...

- Environmentally clean, re-cycled and re-cycleable patented '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 3500 or 7000 cfm (100 or 200 m<sup>3</sup>/min)
- Works equally well on mineral oils and mineral-based synthetics
- Availability is usually better than 10 working days

### the modern solution..

These days, with tens of thousands of SEPURA oil/water separators working reliably around the world we can safely confirm that many millions of hours of practical real-world experience are condensed inside every machine we ship. When you install a SEPURA separator you can always be sure of its pedigree and have confidence in its technical performance. But you can also know you're investing in value engineering.

Think about SEP7000ST for example. Other 'solutions' might need up to four smaller individual separators, and that's not ideal. They can be costly to install, inefficient in operation, wasteful of floor space and maintenance resources. Using an off-the-shelf IBC, SEPURA's solution is cost-effective, simple to install, compact and largely maintenance-free. Weekly quality checks and a complete and rapid change-out once every 2 years is all it takes.

**SEP 3500 ST &  
SEP 7000 ST**  
high capacity condensate cleaners

**see over**  
for technical information

## 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 polypropylene shred to remove bulk oil, and **SEPURA SILEXA™**, our patented oil-adsorbing material having extremely high oil capacity and the capability to clean condensate down to <5 mg/ml (5ppm) oil content.

Hydrocarbons are adsorbed onto the **SILEXA™** 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 **SILEXA™** material.

### proven media



Throughout thorough trials this patented media has been shown to be lighter, 20% more absorbent per weight and cleaner compared to other OEM products.

For more information on **SILEXA™** please visit our website.

**Simple, inexpensive, efficient, effective. SEPURA**

## Specifications

	capacity	service life	connections inlet/outlet	dimensions LxWxH (approx)	disposal weight (approx)	performance	service kit part No.
<b>SEP 3500 ST</b>	3500 cfm (100 m <sup>3</sup> /min)	First of 16,000 hrs or 2 years	2 x 3/4" BSP / 22mm pipe	1270 x 800 x 1350mm 50" x 31.5" x 53"	650 kg 1,433 lbs	Better than 20ppm at end of life	<b>3500SSK</b>
<b>SEP 7000 ST</b>	7000 cfm (200 m <sup>3</sup> /min)	First of 16,000 hrs or 2 years	2 x 3/4" BSP / 22mm pipe	1270 x 1000 x 1520mm 50" x 39" x 60"	1060 kg 2,337 lbs	Better than 20ppm at end of life	<b>7000SSK</b>

## Research & Development

SEPURA products, both current and those under development are exhaustively lab-tested for thousands of hours, then field tested to ensure they will meet your exacting standards of performance.



\* SEP3500/7500ST are rated for use on compressor systems using mineral or mineral-based lubricants. Contact SEPURA regarding PAG lubricants, but in any case de-rate by at least 50%

\*\* It is the user's responsibility to verify discharge allowances in their region

\*\*\* Assumes compressor system's oil carry-over is no more than 5mg/m<sup>3</sup>

### your SEPURA supplier:

