



Oil-water separators

ST separators for standard dispersed condensate

D active separators for treating difficult or emulsified condensate

Mid-range separators
from 120 to 2500 cfm capacity



Clear condensate - clear conscience

The water resources act was introduced to place legal restrictions on industrial discharges either to ground, to waterway or storm-water drain - with good reason.



Just 250ml of oil can cover acres of water surface, reducing the effectiveness of treatment plants, preventing oxygenation, and killing wildlife.

A modest 18kW compressor might generate close to ten thousand litres of condensate each year, often containing up to 1000ppm of oil and other waste at the point of discharge.

99.9% of condensate is water, so it makes sense to clean it on site before discharge to the sewer.

Outlet to the sewer system is controlled by local authorities, which do not usually allow discharges containing more than 20ppm of oil to be introduced to the drains. Expectations are that limits will reduce in the future; some European countries already insist on a maximum of 10ppm. SEPURA offers the most economical,

simple, reliable and environmentally sound method of complying with the legal requirements - with outlet quality better than 10ppm for up to 4000 hours of filter life in many applications. We also offer special filters for specific 'problem' condensates - call SEPURA for details.

Bowman SEPURA - it's so simple...

Sometimes, keeping it simple keeps it working!

With SEPURA there's no moving parts and no stagnant reservoir of condensate to breed unhealthy bacteria. There's no need to guess the height of the oil overflow because there isn't one, so there's no blockages or floods either. It also means there's no oil container to deal with, because all the oil is retained in the filters. It's easy to select the right SEPURA separator; it's quick and foolproof to install; clean and simple to service, and we believe in most cases it's also the most economical tool for the job.

Tens of thousands of installations world-wide experience SEPURA satisfaction.

- **SILEXA™** 'carbon-less' filtration
- Works first time - every time
- 100% performance on most synthetics
- 4000 hours filter life
- Better than 5ppm achieved at installation
- Won't overflow
- Consistent performance
- Simple installation and no pre-soaking
- Low maintenance
- Rapid servicing
- Lightweight handling
- British designed and British built
- 10-year warranty - Terms & Conditions Apply



Service life indicator

This clever device is activated in seconds by the installing service engineer. The active strip gives a time based visual indication of the service interval, up to one full year.

A fresh indicator set is provided with each new service kit, while a fitment upgrade for existing separators is also supplied with each new service kit, ensuring the feature is available for retro-fit to older installed SEPURA separators.

The service life indicator can also be easily fitted to other makes of separator.

Treating stable emulsions

In our experience, no 'passive' oil/water separator handles stable emulsions effectively. Something has to be 'active' to make that essential separation happen.

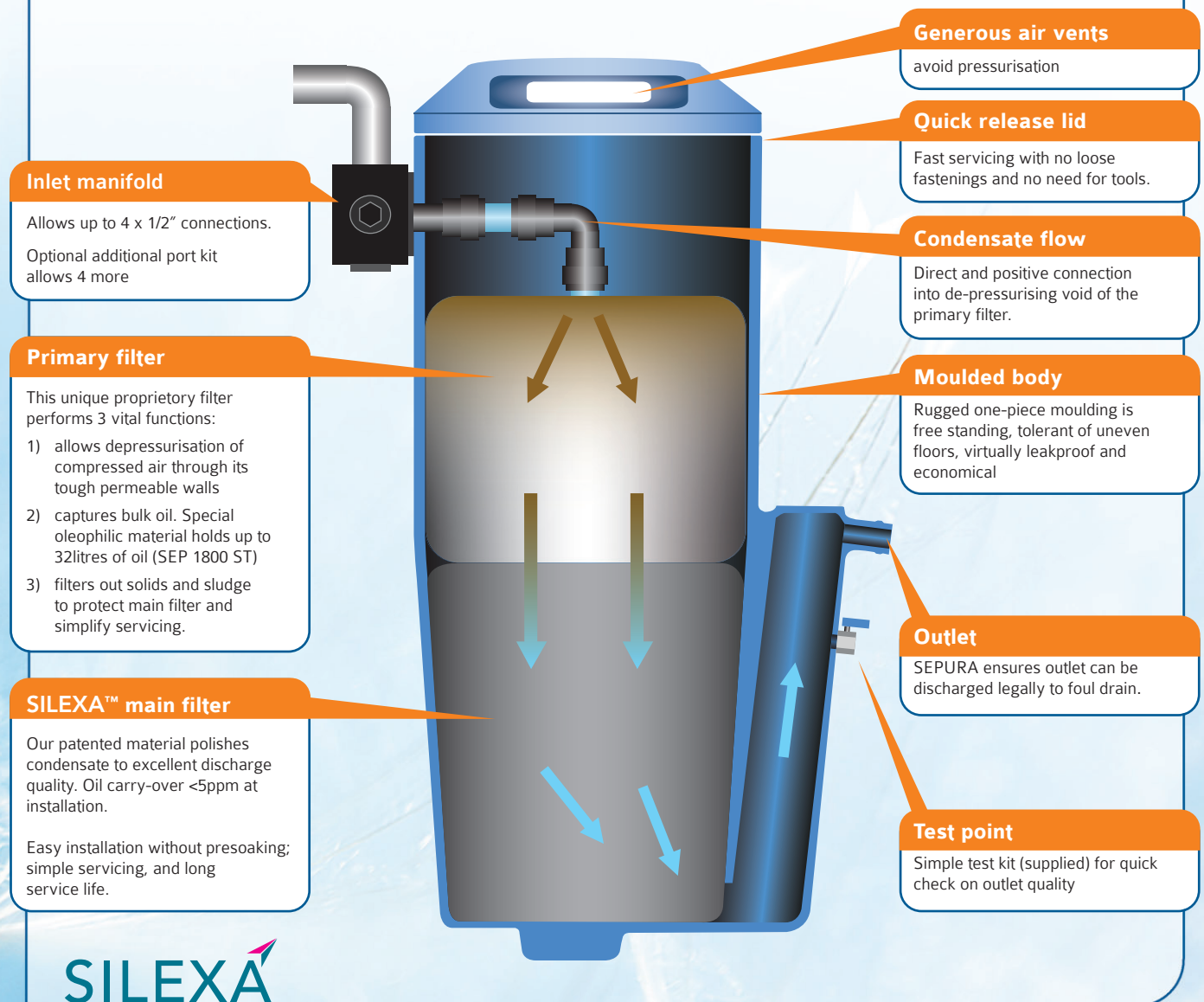
SEPURA 'D' has the active ingredient...

Our specially activated digester kits are purpose designed to deal with those difficult condensate mixtures that simply won't separate in a simple filter - whether carbon, polypropylene, zeolite or any other 'passive' material.

SEPURA's ingenious answer is an active biological creation that literally eats the oil, leaving clear water behind.

When compared to the expensive electro mechanical alternatives available, our digester kit offers a low-cost, easily maintained and environmentally sound answer to a problem that's as old as the condensate management industry - but it took SEPURA to bring it to market.

How SEPURA works so well - so economically



SILEXA

Our chosen filter media is the outstanding SILEXA™

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.



Installation benefits

We recognise that space is at a premium - not least in the average compressor house. That's one reason why the SEPURA oil/water separator is designed the way it is, with the smallest footprint of any separator size-for-size, with the ability to accept flexible tube to its inlet block, with no separate oil container, and with all servicing access from the top.

Bowman has a complete range of condensate management products working in harmony to make the job easy and the result first class

International distribution

SEPURA products are available from our worldwide distribution network.

Subject to our Terms & Conditions our 'no-quibble' 10-year guarantee on separator quality and performance ensures that your peace of mind goes on and on across the lifetime of your compressor plant.

Contact Bowman for full distributor details.

Normal dispersed condensate >

| | SEP 120 S | SEP 360 S | SEP 900 S | SEP 1250 S | SEP 1800 S | SEP 2500 S |
|---------------------------------------|---|------------|------------|-------------|------------|-------------|
| Max capacity (cfm/m ³ min) | 120 / 3.4 | 360 / 10.2 | 900 / 25.5 | 1250 / 35.4 | 1800 / 51 | 2500 / 70.8 |
| SSK Filter service life | 4000 operating hours - for use with non-emulsified 'normal' condensates | | | | | |

Emulsified condensate >

| | SEP 120 D | SEP 360 D | SEP 900 D | SEP 1250 D | SEP 1800 D | SEP 2500 D |
|---------------------------------------|---|------------|------------|-------------|------------|-------------|
| Max capacity (cfm/m ³ min) | 120 / 3.4 | 360 / 10.2 | 900 / 25.5 | 1250 / 35.4 | 1800 / 51 | 2500 / 70.8 |
| DSK Filter service life | 2000 operating hours - for use with non-emulsified 'normal' condensates | | | | | |

| | | | | | | |
|------------------------------------|---|----------|----------|-----------|-----------|-----------|
| Designed oil carry-over | At installation, better than 5ppm - At end of life better than 20 ppm | | | | | |
| Inlet connections | 4 x R 1/2" expandable to 8 | | | | | |
| Outlet hose connection dia | 1/2" | 3/4" | | | | |
| Standard appearance | SILEXA™ branded, 'compressed-air blue', PE material re-cyclable housing | | | | | |
| Test kit included | Yes | | | | | |
| Service kit part for 'S' separator | 120SSK | 360SSK | 900SSK | 1250SSK | 1800SSK | 2500SSK |
| Service kit part for 'D' separator | 120DSK | 360DSK | 900DSK | 1250DSK | 1800DSK | 2500DSK |
| Extra 4-port kit part # | 120Block | 360Block | 900Block | 1250Block | 1800Block | 2500Block |

Unit Weights and Dimensions >

| | SEP 120 | SEP 360 | SEP 900 | SEP 1250 | SEP 1800 | SEP 2500 |
|--------------------------------|-------------------|--------------------|------------------|------------------|--------------------|-------------------|
| Height/length/width (mm) | 500 / 215 / 257 | 654 / 345 / 282 | 989 / 432 / 495 | 1015 / 485 / 495 | 989 / 990 / 520 | 1015 / 1098 / 550 |
| Height/length/width (inches) | 19.7 / 8.5 / 10.1 | 25.7 / 13.6 / 11.1 | 38.9 / 17 / 19.5 | 40 / 19.1 / 19.5 | 38.9 / 19.1 / 20.5 | 40 / 43.2 / 21.7 |
| Shipping weight S/D (Kg) appx | 2.7 / 3.5 | 3.6 / 5 | 14.8 / 20 | 20 / 35 | 31.3 / 41 | 43.5 / 56.5 |
| Shipping weight S/D (lbs) appx | 6 / 7.7 | 8 / 11 | 33 / 44 | 44 / 77 | 69 / 90 | 96 / 124.5 |

SEPURA ST oil/water separator specifications assume well maintained compressor plant and reasonable operating conditions. Performance on mineral or mineral-based lubricants should be as above, irrespective of compressor type, condensate drain technology or climate, provided the condensate produced is not a stable emulsion.

Where stable or difficult emulsions are encountered, choose the **SEPURA 'D'** separator with its special digester service kits designed for the task.

Polyalkylene glycol (PAG) coolants/lubricants present a different challenge as they are based on water-soluble components. Free (non-dissolved) components will be removed by SEPURA ST or D separators leaving a 'clear' outlet fluid, but we advise that the separator should be down-rated to 50% of normal capacity to allow more time for adsorption to take place.

IMPORTANT NOTE: SEPURA uses its proprietary filter medium **SILEXA™** in genuine SSK service kits. Ordinary carbon bags would reduce the separators' capacity by at least 20% and their service life by 50%. Our digester kits are carbon-based but specially treated to handle emulsified condensate. Untreated carbon will inevitably fail in such applications.

your SEPURA supplier:

