

SEPREMIUM®

COMPRESSED AIR CONDENSATE SEPARATION

The SEPREMIUM range of oil/water separators separates oil from condensate generated by compressed air systems. The SEPREMIUM uses a specially designed filter, instead of a weir, to remove the bulk of the oil and any type of condensate drain may be applied.

PRINCIPLE WORKINGS OF THE SEPREMIUM

The newly designed improved performance element offers substantial benefits over and above the floating type element. The new static first tower element combines various types of absorption and adsorption technologies to achieve the lowest possible oil residue values. As condensate flows through the new filter, the oil is filtered out, while the purified water passes freely towards the next separation stage. In comparison to the floating type element, the new static element offers maximum filtration ability both above and below the water level.

Subsequent separation stages incorporate specially selected activated carbon to polish out the remaining contaminants.



Key features:

- Any type of condensate drain may be applied.
- The SEPREMIUM does not require a condensate-settling reservoir.
- Only four models covering up to 30m³/min compressor capacity.
- Separation of mineral lubricants.
- Separation of synthetic lubricants.
- Separation of stable emulsions.
- Separation of polyglycol lubricants.
- Test valve and kit is supplied as standard for visual indication of element performance.
- Overflow indicator.
- Small foot print.
- A visual element life indication feature.
- Light and easy replacement of elements.
- Multiple condensate inlets with brass inserts for hard piping installations.
- Large 1" output capacity.



All SEPREMIUM models can accept condensate discharge from intelligent drains, timer drains, float drains and manual drains. Additional condensate can be added manually.

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COMPRESSED AIR CONDENSATE SEPARATION TECHNICAL DATA

Models	5	10	20	30
Target output value	< 10 ppm	< 10 ppm	< 10 ppm	< 10 ppm
Max. oil absorption litres	5	10	15	25
Inlet connections	1/2" (2)	1/2" (2)	1/2" (2)	1/2" (2)
Outlet connection	1"	1"	1"	1"
Test valve	✓	✓	✓	✓
Service drain	✓	✓	✓	✓
Overflow indicator	✓	✓	✓	✓
Housing material	PE	PE	PE	PE
Total recyclable	✓	✓	✓	✓
Housing colour	Black	Black	Black	Black
Lid colour	Dark Grey	Dark Grey	Dark Grey	Dark Grey
Max. compressor capacity (m ³ /min)	5	10	20	30
Mineral lubricants	✓	✓	✓	✓
Synthetic lubricants	✓	✓	✓	✓
Stable condensate emulsions*	✓	✓	✓	✓
Polyglycol*	✓	✓	✓	✓

*The SEPREMIUM achieves efficient separation of oil from condensate by means of directing the condensate through various separation stages.

