

PURO®

Compressed air condensate separation

The PURO range of oil/water separators separates oil from condensate, generated by compressed air systems. The PURO 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 PURO

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 PURO does not require a condensate-settling reservoir.
- Only four models covering up to 70m³/min compressor capacity.
- Separation of mineral lubricants.
- Separation of synthetic lubricants.
- Separation of stable emulsions.
- Separation of polyglycol lubricants.
- Test valve & kit is supplied as standard for visual indication of element performance.
- Overflow indicator.



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Specifications	PURO [®]	MIDI	GRAND	GRAND & Xtender
Target output value	< 10 ppm	< 10 ppm	< 10 ppm	< 10 ppm
Maximum Oil adsorption white element	10 litres	15 litres	25 litres	25 litres
Activated carbon elements	1 off	1 off	1 off	2 off
Inlet connections	1/2" (2)	1/2" (2)	1/2" (4)	1/2" (4)
Outlet connection	1/2"	1/2"	1/2"	1/2"
Test valve	yes	yes	yes	yes
Service drain	no	yes	yes	yes
Overflow indicator	no	yes	yes	yes
Housing material	PE	PE	PE	PE
Total recyclable	yes	yes	yes	yes
Housing colour dark grey	RAL 7026	RAL 7026	RAL 7026	RAL 7026
Lid colour black	RAL 7021	RAL 7021	RAL 7021	RAL 7021
Mineral lubricants	yes	yes	yes	yes
Synthetic lubricants	yes	yes	yes	yes
Stabile condensate emulsions	yes	yes	yes	yes
Polyglycol*	yes	yes	yes	yes
Capacity chart				
Max. compressor capacity	8m ³ /min 300 cfm	20m ³ /min 700 cfm	35m ³ /min 1250 cfm	70m ³ /min 2500 cfm

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

- Consult factory for:
- Larger compressor capacities.
 - For systems up to 1.8m³/min (65 cfm).
 - * Special Polyglycol element requirements.



Test kit



Service drain



Modular Xtender



For larger requirements over 70m³/min.

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