



## **INSTALLATION INSTRUCTIONS**

10-2017

## **SAFETY AND PROPER USAGE**

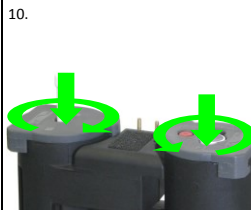
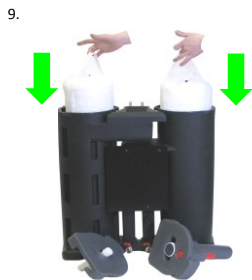
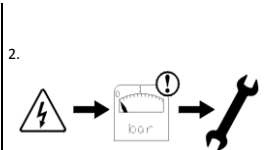
To ensure safe and enduring performance of this product, you must comply strictly with the instructions enclosed herein. Non-compliance with instructions or improper handling of the product will void your warranty! Usage of this product in conditions not specified in this manual or in contrary to the instructions hereby provided is considered IMPROPER. The manufacturer will not be held liable for any damages resulting from improper use of the product.

## **SAFETY & WARNING INSTRUCTIONS**

- Observe valid and generally accepted safety rules when planning, installing and using this product.
- Take proper measures to prevent unintentional operation of the product or damage to it.
- Do not attempt to disassemble this product or lines in the system while they are under pressure.
- Always depressurise the compressed air system before working on the system.

It is important that personnel use safe working practices and observe all regulations and legal requirements for safety when operating this product. When handling, operating or carrying out maintenance on this product, personnel must employ safe engineering practices and observe all local health & safety requirements & regulations. International users refer to regulations that prevail within the country of installation. Most accidents, which occur during the operation and maintenance of machinery, are the result of failure to observe basic safety rules or precautions. An accident can often be avoided by recognising a situation that is potentially dangerous. Improper operation or maintenance of this product could be dangerous and result in an accident causing injury or death. The manufacturer cannot anticipate every possible circumstance, which may represent a potential hazard. The WARNINGS in this manual cover the most common potential hazards and are therefore not all-inclusive. If the user employs an operating procedure, an item of equipment or a method of working which is not specifically recommended by the manufacturer he must ensure that the product will not be damaged or made unsafe and that there is no risk to persons or property.

## **NEVER CHANGE ORIGINAL COMPONENTS WITH ALTERNATIVES.**



## INSTALLATION INSTRUCTIONS

*Before installing this product, make sure it complies with your request and that it suits your application!*

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1. Unpack the unit and visually inspect for any transport damage incurred after leaving our factory.

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2. Depressurise the system before installation or maintenance is carried out!

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3. Locate a suitable point in your compressor room to place your separator.

This point must be near a suitable sewage point. The unit is designed to easily fit against a wall.

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4. Remove both lids and take the two white elements out of the housing.

*\* You can use the clothing kit to protect your own clothing.*

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5. Connect the outlet of the separator to a suitable sewage point. Make sure the condensate always flows down!

*\* Do not reduce the 1" outlet size. Use the supplied 1" adapter and corresponding tube size!*

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6. Before filling the unit with water make sure that the test drain and service drains are closed.

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7. Fill the unit with water from tower 1 until both towers are filled and water flows out of the outlet point.

*\* During initial filling, dust may rise from the carbon element; this is only displaced air and is entirely harmless. We recommend the active carbon element to be pre-soaked for 24 hrs. Any carbon dust in the outlet water is harmless.*

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8. Ensure the black element rests on the bottom of the tower by pushing (and holding) it down.

*\* Push the element down until all the trapped air has escaped out of the element.*

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9. When both towers are filled with water and the black element rests on the bottom of tower 2 you can replace both white elements. White indicator element in tower 1 and white static element in tower 2.

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10. Replace both lids. The white static element will be pushed in place by lid 2.

*\* Make sure both lids are placed and secured properly.*

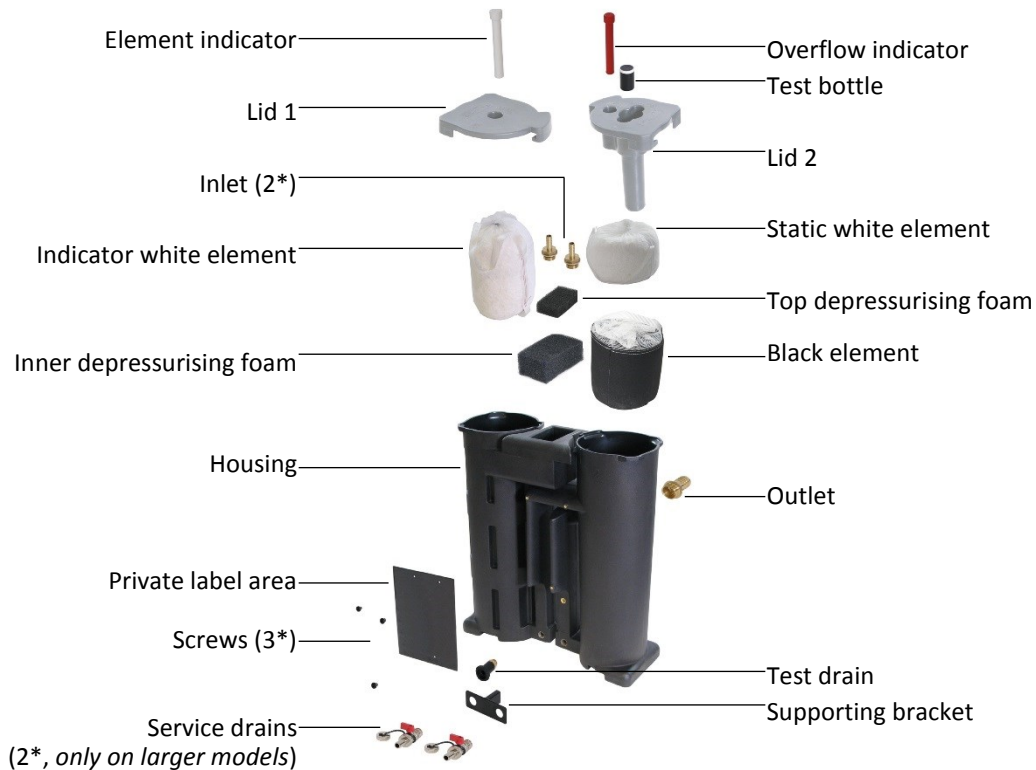
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11. Connect the condensate collection pipe to the inlet of the separator.

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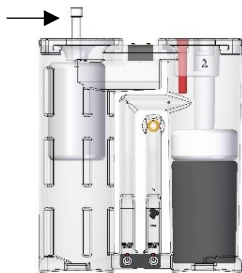
12. Your Oil/Water Separator is ready for operation!

*\* We recommend that initially a daily check is made on the quality of the output from your condensate cleaner. After a day or so, the output should be clear when viewed using the test bottle.*

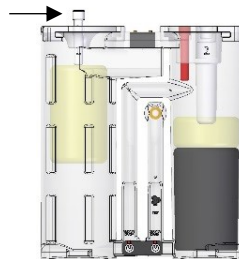


## DEVICE OPERATION

1. After installing the condensate cleaner, the white element indicator is up indicating the elements are clean and ready to perform.



2. The white indication element and white indicator will go down, as soon as the element starts to saturate.



3. When the white indicator is all the way down, all elements should be replaced immediately.



4. The red overflow indicator will be up to indicate the elements are completely saturated and an overflow can occur due to blockage of the elements caused by saturation, or that the outlet is blocked.



# TEST BOTTLE INSTRUCTIONS

1.



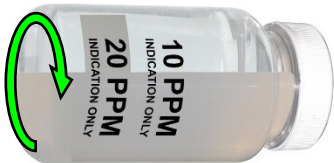
2.



3.



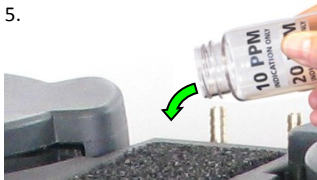
4(a).



4(b).



5.



6.



7.



## TEST BOTTLE INSTRUCTIONS

1. Take the Sample Bottle out of its container and screw off the lid.
2. Hold the Sample Bottle under the test valve and open the test valve.
3. Fill the Sample Bottle to just above the top sticker, and close the test valve. Screw the lid back on the
4. By comparing the cloudiness of the condensate with the shaded area of the labels on the Sample Bottle, you can visually determine the potential oil content in the condensate.

### ***How to perform the check:***

(a) Turn your Sample Bottle 90° and rotate the bottle until you have a part of the labels above and a part of the labels in the condensate level. This way you can compare the shaded area of the labels and the clarity of the condensate simultaneously.

(b) If the cloudiness of the condensate is more than the background shaded area of the 20PPM label, and you can no longer see a difference between the shaded area of the label background and the cloudiness of the condensate, your elements may be saturated and may need replacing.

*Note: This test is a visual “indication only” test. To determine the exact oil content in your condensate sample, a laboratory test is required. This service is available through the manufacturer also.*

5. Screw off the lid and pour the condensate back into tower 1 of the oil/water separator.
  6. Clean and dry the sample bottle with a cloth and screw the lid back on the Sample Bottle.
  7. Place the sample bottle back into its container and back in the lid of the oil/water separator.
- You can use the same Sample Bottle for future checks.*



## TECHNICAL SPECIFICATIONS

<b>Max. compressor capacity</b> <i>(based on a 8h. shift)</i>	5 m <sup>3</sup> /min	10 m <sup>3</sup> /min	20 m <sup>3</sup> /min	30 m <sup>3</sup> /min	60 m <sup>3</sup> /min
<b>Max. oil adsorption elements</b>	Approx. 5 litres	Approx. 10 litres	Approx. 15 litres	Approx. 25 litres	Approx. 50 litres
<b>Inlet connection</b>	2* ½" BSP	2* ½" BSP	2* ½" BSP	2* ½" BSP	2* ½" BSP
<b>Outlet connection</b>	1* 1" BSP	1* 1" BSP	1* 1" BSP	1* 1" BSP	1* 1" BSP
<b>Test drain</b>	Yes	Yes	Yes	Yes	Yes
<b>Service drain</b>	No	Yes	Yes	Yes	Yes
<b>Overflow indicator</b>	Yes	Yes	Yes	Yes	Yes
<b>Element life indicator</b>	Yes	Yes	Yes	Yes	Yes
<b>Housing material</b>	PE	PE	PE	PE	PE
<b>Total recyclable</b>	Yes	Yes	Yes	Yes	Yes
<b>Mineral lubricants</b>	Yes	Yes	Yes	Yes	Yes
<b>Synthetic lubricants</b>	Yes	Yes	Yes	Yes	Yes
<b>Stabile condensate emulsions</b>	Yes <i>(consult factory)</i>	Yes <i>(consult factory)</i>	Yes <i>(consult factory)</i>	Yes <i>(consult factory)</i>	Yes <i>(consult factory)</i>
<b>Poly-glycol</b>	Yes <i>(consult factory)</i>	Yes <i>(consult factory)</i>	Yes <i>(consult factory)</i>	Yes <i>(consult factory)</i>	Yes <i>(consult factory)</i>

## DIMENSIONS (mm)

	5m <sup>3</sup> /min.	10m <sup>3</sup> /min.	20m <sup>3</sup> /min.	30m <sup>3</sup> /min.	60m <sup>3</sup> /min.
A	610	750	900	900	1040
B	580	650	780	970	1160
C	190	240	305	380	480

