Installation- and Maintenance Manual

SEPREMIUM 10i, 20i, 30i, 60i

pure! GmbH
Konrad-Zuse-Straße 5
65582 Diez
Deutschland

support@pure-gmbh.com
www.pure-gmbh.com
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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 all applicable and generally accepted safety regulations when planning, installing, and using this product.

- Take appropriate measures to prevent unintentional operation or damage to the product.
- Do not attempt to disassemble the product or system components while they are under pressure.
- Always depressurize the compressed air system before performing any work on it.

It is essential that personnel follow safe working practices and comply with all relevant safety regulations and legal requirements when operating this product.
When handling, operating, or maintaining the product, personnel must adhere to safe engineering practices and comply with all local health and safety regulations.
International users must observe the regulations applicable in the country where the system is installed.
Most accidents during operation and maintenance occur due to failure to observe essential safety rules or precautions.
Many accidents can be avoided by recognizing potentially hazardous situations in advance.
Improper operation or insufficient maintenance of this product may lead to dangerous situations and result in injury or death.
The manufacturer cannot foresee every possible situation that may pose a potential hazard.
The warnings contained in this manual address the most common potential hazards and are therefore not exhaustive.
If the user employs operating procedures, equipment, or working methods not specifically recommended by the manufacturer, they must ensure that the product is not damaged or rendered unsafe, and that no risks to persons or property arise.

CAUTION: NEVER CHANGE ORIGINAL COMPONENTS WITH ALTERNATIVES

Installation Instructions

Note: Before using this product, make sure it complies with your request and that it suits your application!

1. Unpack the unit and visually inspect it for any damage.

2. Vent the system before installation or maintenance.

3. Choose a suitable location in your compressor room to place the condensate cleaner. This location must be near an appropriate wastewater connection. The unit is designed to be easily mounted on a wall or structural surface.

4. Remove the cover by unscrewing the four screws. Remove the foam, filter element, and carbon element from the housing.
   **Protective gloves are included in the scope of delivery.*
   ***At this stage, we recommend soaking the activated carbon element for 24 hours in advance.*

5. Tighten the inlet nipple with rubber O-ring at the marked position using a 22 mm wrench. Do not overtighten!

6. Place the unit on a level surface and secure it to prevent tipping. If using the optional bracket, ensure it is mounted horizontally on a wall or other suitable structure. Make sure the bracket is level.

7. Insert the filter and the carbon element. Ensure the carbon element rests on the bottom of the tower by pressing it down (and holding it). Reinsert the foam, the lid, and the screws.

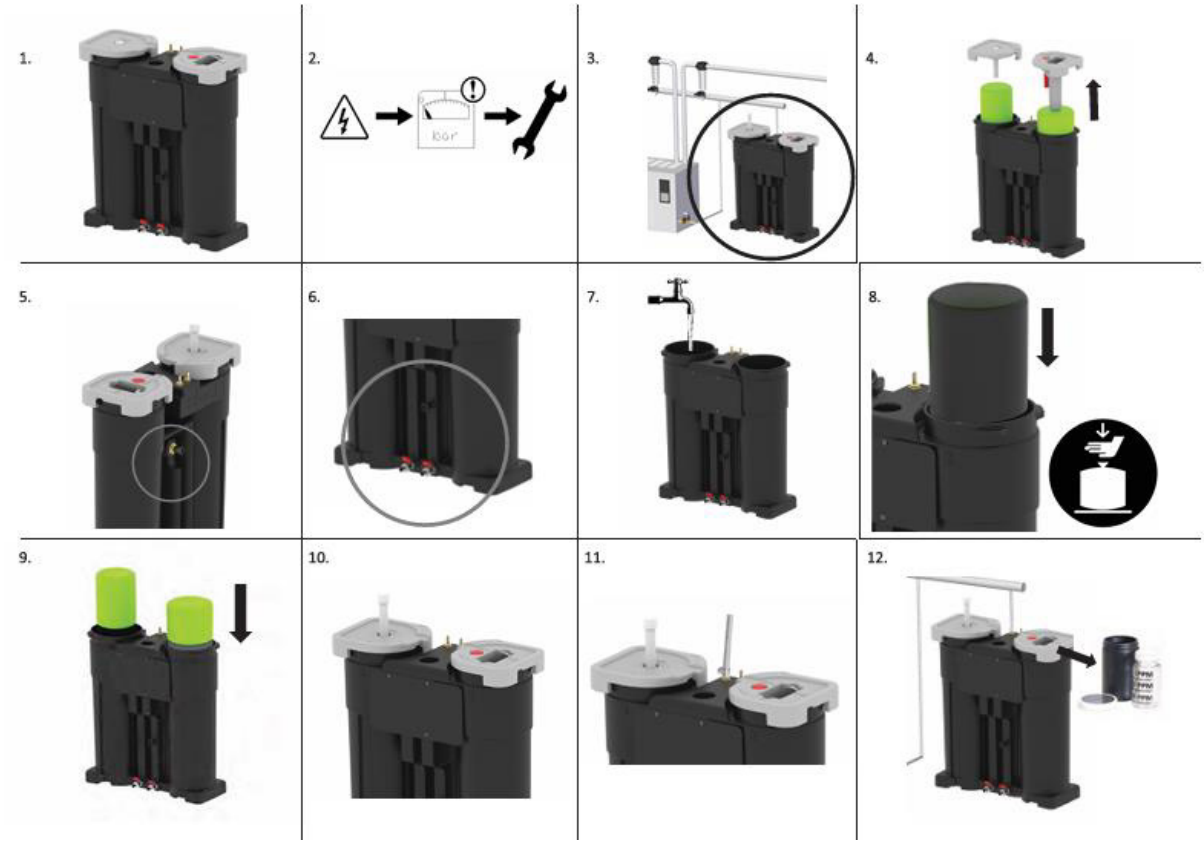
8. Place the oil/water separator into the bracket.

9. Connect the condensate collection pipe to the inlet of the oil/water separator.

10. Connect the outlet of the separator to a suitable wastewater connection. Ensure the condensate always flows downward!
    ** Do not reduce the 1/2" outlet. Use the supplied 1/2" adapter and matching hose size!*

11. Fill the unit with water from Tower 1 until both towers are filled and water flows from the outlet opening.

12. Your oil/water separator is ready for use!
    **We recommend checking the quality of your oil/water separator's output daily at first. After about a day, the output should be clear when viewed in the sample bottle.*



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DEVICE OPERATION

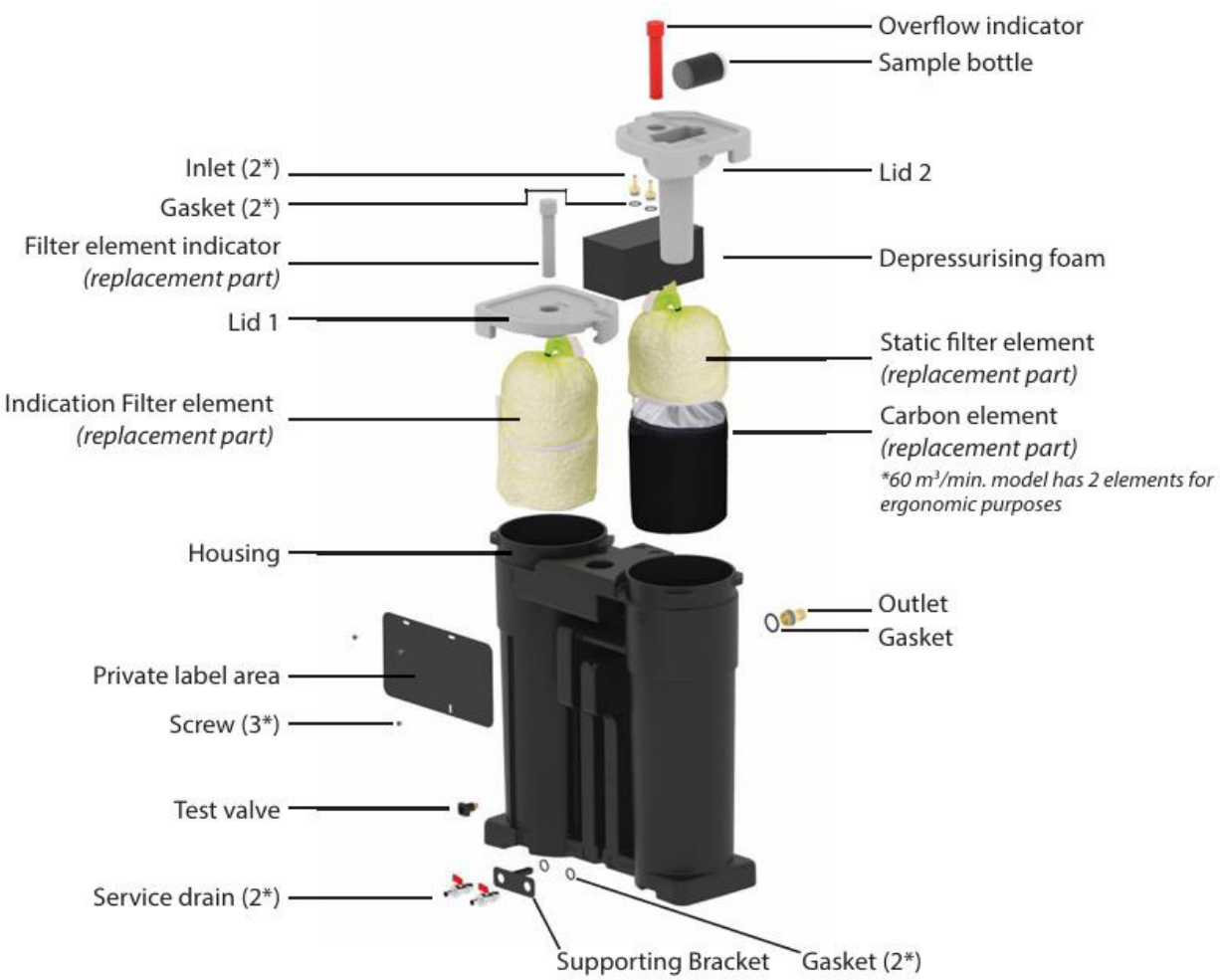
1. After installing the Oil/Water separator, the white indicator is up, indicating the elements are clean and ready to perform.

2. The Indication filter 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.

List of components



SAMPLE 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 Sample Bottle.

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.

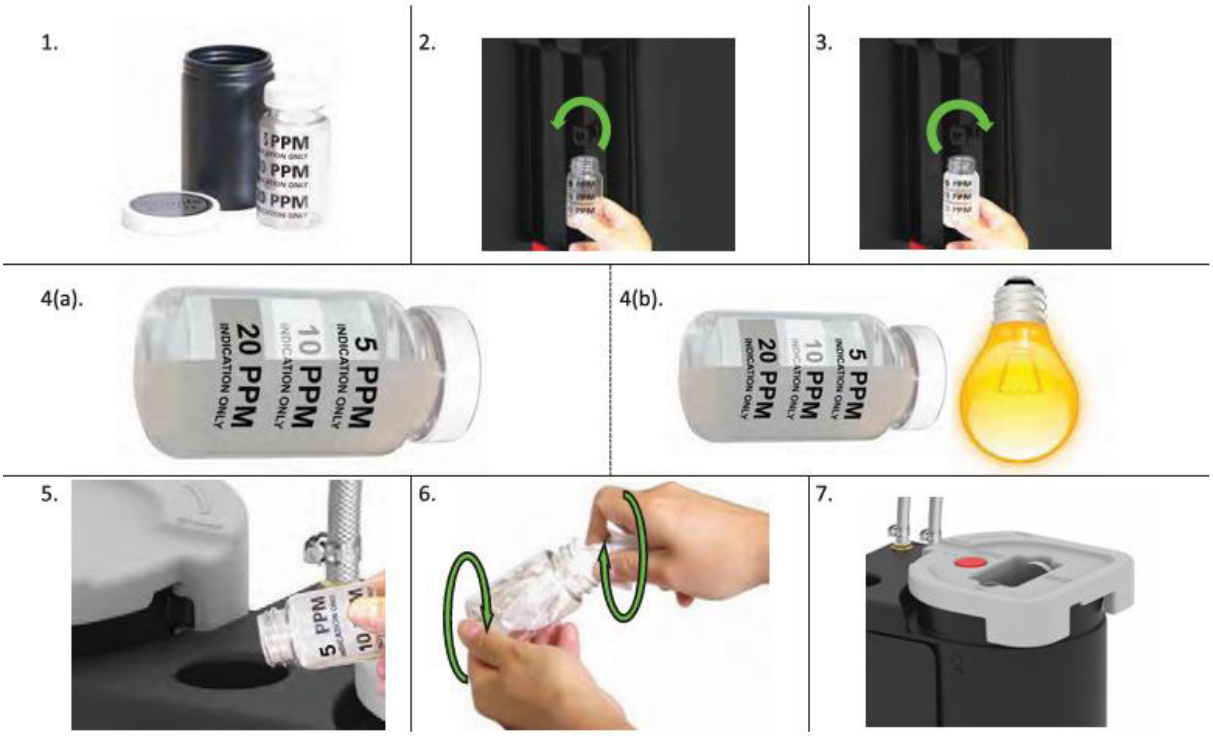
   b. If the cloudiness of the condensate is more than the background shaded area of the 20PPM label, and you can no longer see a difference between the shaded area of the label background and the cloudiness of the condensate, your elements may be saturated and may need replacing.

   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.



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TECHNICAL SPECIFICATIONS

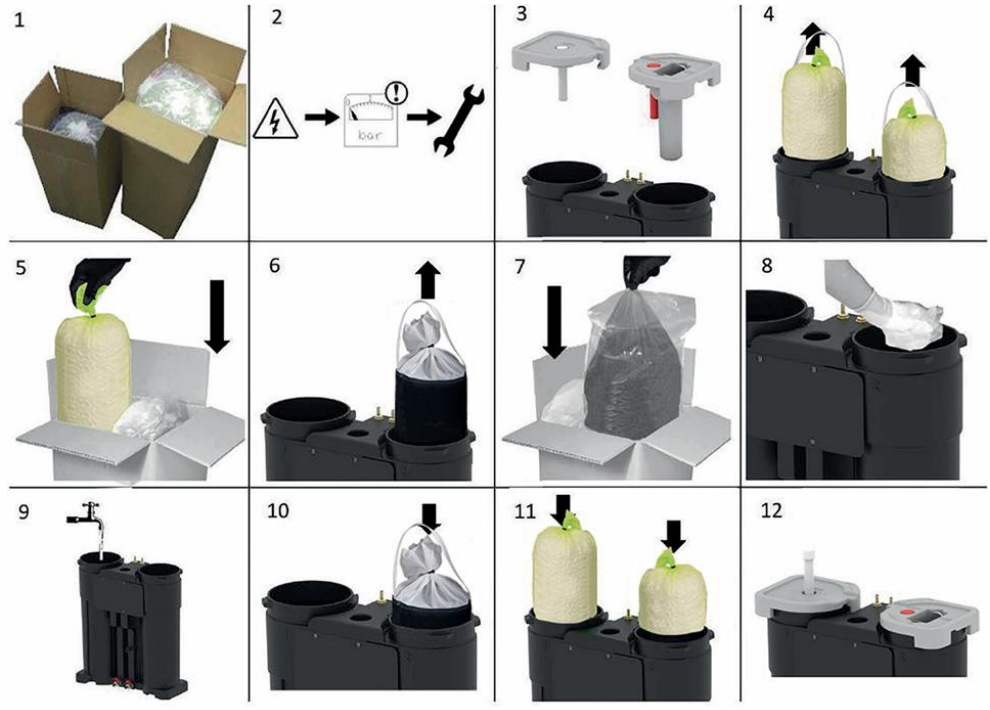
Max. compressor capacity	10 m^3/min, based on an 8 hour shift	20 m^3/min, based on an 8 hour shift	30 m^3/min, based on an 8 hour shift	60 m^3/min, based on an 8 hour shift
Max. oil adsorption	10 litres	15 litres	25 litres	50 litres
Filter element	2	2	2	2
Carbon element	1	1	1	2
Inlet connections	1/2" BSP, with 10 mm hose barb adapter	1/2" BSP, with 10 mm hose barb adapter	1/2" BSP, with 10 mm hose barb adapter	1/2" BSP, with 10 mm hose barb adapter
Outlet connection	1" BSP, with 26 mm hose barb adapter	1" BSP, with 26 mm hose barb adapter	1" BSP, with 26 mm hose barb adapter	1" BSP, with 26 mm hose barb adapter
Test valve	Yes	Yes	Yes	Yes
Service drains	Yes	Yes	Yes	Yes
Element life indicator	Yes	Yes	Yes	Yes
Overflow indicator	Yes	Yes	Yes	Yes
Housing material	PE	PE	PE	PE
Sample bottle included	Yes	Yes	Yes	Yes
Target oil residue output value	<5 PPM	<5 PPM	<5 PPM	<5 PPM
Inlet and Outlet hose pipe connectors	Included	Included	Included	Included
Product weight (empty)	17 kg	28 kg	42 kg	78 kg
Product weight (filled with water)	49 kg	95 kg	148 kg	275 kg
Separation of:				
Mineral lubricants	Yes	Yes	Yes	Yes
Synthetic lubricants	Yes	Yes	Yes	Yes
Stabile emulsions	Yes, consult factory	Yes, consult factory	Yes, consult factory	Yes, consult factory
Poly Glycol	Yes, consult factory	Yes, consult factory	Yes, consult factory	Yes, consult factory

Maintenance instructions

1. Unpack the elements and visually inspect for any transport damage incurred after leaving our factory.
2. Depressurise the system before installation or maintenance is carried out!
3. Remove the cover by loosening the three cover mounting screws and also remove the pressure relief foam.
4. Pull up the saturated indication lter element and static lter element out of the housing and let the water drip out.
5. After most of the water has dripped out of the elements, lift the saturated elements out of the housing and place them in the plastic bags included in the box.
6. Pull up the saturated carbon element out of the housing and let the water drip out.
7. After most of the water has dripped out of the element, lift the saturated element out of the housing and place it in the plastic bag included in the box.
8. Empty and clean the housing of any remaining condensate residue.
9. Fill the unit with water from tower 1 until both towers are lled and water •ows out of the outlet point.
10. Insert the new black element into the housing (tower 2). Push the element all the way down. Note: Tower 2 is the tower with the outlet connection.
11. Replace the foam and lid, and tighten the three screws securing the lid.
12. Fill the unit via tower 1 with water until both towers are full and water flows out of the outlet. Your condensate cleaner is now ready for use.

Tip: Check the unit daily during the first week to ensure that the separator is working correctly.

Tip: We recommend replacing both elements at the same time!



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