

Installation & Maintenance Instructions

PURO MINI

Oil / water separator



11/09

GENERAL OPERATION

The PURO MINI is designed to separate oil from condensate that is extracted from compressed air systems. The PURO MINI condensate separator covers compressor capacities up to 3,5 m³/min.

Polypropylene has the perfect effect on oil. It attracts oil and captures it, almost as if it draws oil like a magnet. That simplicity and our technology are at the root of the PURO's efficiency to clean virtually all types of condensate, emulsified or not.

The typical output oil residue value is less than 10 ppm.

All PURO models can accept condensate discharge from intelligent drains, timer drains, float¹ drains and manual drains.

SAFETY INSTRUCTIONS

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

ATTENTION

- 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.

EXPLODED VIEW AND IDENTIFY ALL COMPONENTS DIAGRAM

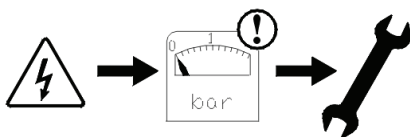


INSTALLATION INSTRUCTIONS

IMPORTANT NOTICE

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

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

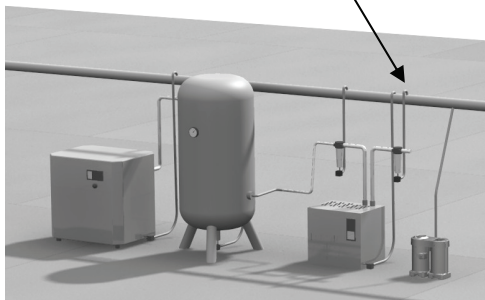


2. Depressurise the system before installation or maintenance is carried out!

3. Locate a suitable point in your compressor room to place your PURO MINI. This point must be near a suitable sewage point. The unit is designed to easily fit against a wall.

4. Remove the lid.

Condensate collection pipe



INSTALLATION INSTRUCTIONS

5. Remove the elements, test drain, inlet nipple, outlet nipple, depressurising foam, test bottle and clothing kit from the housing.



6. Screw the inlet nipple with rubber o-ring in to its marked location using a 22 mm wrench.



7. Screw the outlet nipple with rubber o-ring in to its marked location using a 22 mm wrench.



8. Screw the test drain with o-ring in to its marked location using a 17 mm wrench.



9. Replace the black element in tower 2.



10. Connect the inlet to the condensate collection pipe.

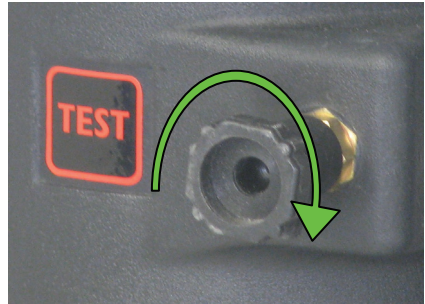


INSTALLATION INSTRUCTIONS

11. Connect the outlet to a suitable sewage point. Make sure the condensate always flows down.



12. Before filling the unit with water make sure that the test drain is closed.



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



14. Replace the white element in tower 1 by slowly pushing it down until it rests on the bottom of the tower.



Make sure both elements rest on the bottom of the towers by pushing and holding them down.

15. Replace the depressurising foam and lid and place the test bottle in it's location on top of the lid.



16. Your PURO MINI is ready for operation!

SERVICE INSTRUCTIONS

When your PURO MINI requires maintenance (replacement of elements) please refer to our dedicated maintenance instructions (supplied with the PURO MINI element service kit).

SERVICE CHART

Date	Description	Name

TECHNICAL SPECIFICATIONS

Max. oil adsorption element's	Approx. 3 Litre
Inlet connection	½"
Outlet connection	½"
Test valve	Yes
Housing material	PE
Total recyclable	Yes
Housing colour	Black
Lid colour	Grey
Mineral lubricants	Yes
Synthetic lubricants	Yes
Stabile condensate emulsions	Yes (consult factory)
Polyglycol	Yes (consult factory)
Max. compressor capacity	3,5 m³/min. (based on a 8h. shift)

DIMENSIONS (MM)

