

Oil Water Separators

These compact, cost effective oil water separators utilize 2 stages of elements to treat oily condensate generated by lubricated compressors without the use of a setting tank, reducing the risk of storing harmful bacteria.

The polypropylene oil absorbing element combined with the carbon polishing element, reduces oil out put to less than 10 ppm, meeting most local ordinances and regulations

- Designed to Work with Mineral and Synthetic Lubricants
- Meets Most Local Ordinances and Regulations
- Protects the Environment
- Eliminates the Rising High Cost of Offsite Disposal
- Easy Installation - 1/2" Inlet and Outlet Connections
- Compact Design
- Can Be Used with All Condensate Drains
- Includes Test Valve and Test Kit
- Over Flow Indicator (CT Series)
- Wall Mounting Bracket (OWSD)
- Maximum Pressure: 230 PSI
- Operating Temperature: 34 ° F to 122 ° F



OWSD



CT Series



CT Service Kit

(Includes replacement pre-adsorption & carbon elements)

Capacity (SCFM)	Oil Water Separators		Max. Oil Adsorption	W x D x H	Replacement Kits For Polyglycol Lubricants	Replacement Kits For Synthetic Lubricants
	Part No.				Part No.	Part No.
70	OWSD-70		.5 gallons	10" x 10" x 10"	—	—
125	CT-125		.8 gallons	18" x 10" x 16"	CP-SP125	CT-SP125
250	CT-250		1.8 gallons	23" x 12" x 17"	CP-SP250	CT-SP250
600	CT-600		4 gallons	29" x 15" x 19"	CP-SP600	CT-SP600

Notes:

1. OWSD-70 is disposable when elements are full. simply replace the unit
2. Replace the pre-filter bag and activated carbon bag simultaneously
3. Bag life expectancy will vary due to operating factors; ambient condition, the amount of oil carry over and hours of operation

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.

- 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 depressurize 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 recognizing a situation that is potentially dangerous. Improper operation or maintenance of this product could result in death or serious injury to persons. In order to avoid such an accident, the user must 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.

⚠ WARNING This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov



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Max. compressor capacity	125 CFM	250 CFM	600 CFM
Max. oil adsorption elements	0.8 gallon	1.8 gallon	4 gallon
Inlet connection	1" ½" BSP	1" ½" BSP	2" ½" BSP
Outlet connection	1" ½" BSP	1" ½" BSP	1" ½" BSP
Test drain	Yes	Yes	Yes
Overflow indicator	Yes	Yes	Yes
Housing material	PPC	PPC	PPC
Mineral lubricants	Yes	Yes	Yes
Synthetic lubricants	Yes	Yes	Yes
Stable condensate emulsions	Yes (consult factory)	Yes (consult factory)	Yes (consult factory)
Poly-glycol	Yes (consult factory)	Yes (consult factory)	Yes (consult factory)

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 on 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.
4. Unscrew the five lid screws.
5. Remove the lid and take out the clothing kit. You can use the clothing kit to protect your own clothing.
6. Connect the outlet of the separator to a suitable sewage point. Make sure the condensate always flows down! *"Do not reduce the 1/2" outlet size. Use the supplied 1/2" adapter and corresponding tube size!"*
7. Before filling the unit with water make sure that the test drain is closed.
8. Fill the unit with clean water, till 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."
9. 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).*
10. Replace the lid and tighten the five lid fixing screws.
11. Connect the condensate collection pipe to the inlet of the separator.
12. Your 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.*

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TEST BOTTLE INSTRUCTIONS

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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. Fill the Sample Bottle to just above the top sticker, and close the test valve. Screw the lid back on the Sample Bottle.
3. 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.

4. Screw off the lid and pour the condensate back into tower 1 of the oil/water separator.
5. Clean and dry the sample bottle with a cloth and screw the lid back on the Sample Bottle.
6. 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.