

MAKO AIRTEK DA 1282 DA1282

MAKO AIRTEK Oil Separator Instruction Manual

Model: DA 1282 DA1282

1. PRODUCT OVERVIEW

The MAKO AIRTEK Oil Separator, Model DA 1282 DA1282, is a critical component designed for Sullair air compressors. Its primary function is to efficiently separate oil from the compressed air stream, ensuring clean air output and protecting downstream equipment. This direct replacement part is manufactured using high-quality raw materials to meet original manufacturing standards, offering reliable performance and contributing to reduced maintenance costs.

Proper installation and regular maintenance are essential for the optimal performance and longevity of your air compressor system. Please read this manual thoroughly before installation or operation.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to equipment:

- Ensure the air compressor system is completely depressurized and powered off before attempting any installation, maintenance, or inspection.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Only qualified personnel should perform installation and maintenance procedures.
- Refer to the Sullair compressor's original manual for specific safety guidelines related to your compressor model.
- Do not modify the oil separator or use it for purposes other than its intended function.
- Dispose of used oil and separator elements according to local environmental regulations.

3. INSTALLATION INSTRUCTIONS

This section outlines the general steps for installing the MAKO AIRTEK Oil Separator. Always consult your specific Sullair compressor service manual for detailed, model-specific instructions.

1. **Preparation:** Ensure the compressor is shut down, locked out, and depressurized. Allow the system to cool down.
2. **Access:** Locate the existing oil separator housing. This may require removing access panels.
3. **Drain Oil:** Carefully drain any residual oil from the separator housing.

4. **Remove Old Separator:** Disconnect any associated piping or sensors. Remove the old oil separator element. Note its orientation for correct installation of the new part.
5. **Clean Housing:** Thoroughly clean the separator housing and sealing surfaces to remove any debris or old gasket material.
6. **Install New Separator:** Carefully insert the new MAKO AIRTEK Oil Separator (Model DA 1282 DA1282) into the housing, ensuring proper seating and orientation.
7. **Replace Gaskets/Seals:** Use new gaskets and seals as required to ensure an airtight and oil-tight seal.
8. **Reconnect:** Reconnect all piping, sensors, and access panels.
9. **Refill Oil:** Refill the compressor with the recommended type and amount of compressor oil.
10. **Leak Check:** Start the compressor and carefully check for any air or oil leaks. Monitor pressure and temperature readings.



Figure 3.1: Example of an oil separator component. This image shows a black cylindrical housing with a flange, typical of an oil separator or filter assembly.

4. OPERATION GUIDELINES

Once installed, the oil separator operates automatically as part of the compressor system. Key operational considerations include:

- **Monitor Pressure Drop:** A significant increase in pressure drop across the oil separator indicates that the element is becoming clogged and requires replacement. Refer to your compressor's manual for acceptable pressure differential limits.
- **Oil Carryover:** Excessive oil in the compressed air output (oil carryover) suggests a failing oil separator element or other system issues.
- **System Performance:** Ensure the compressor operates within its specified temperature and pressure ranges.

5. MAINTENANCE

Regular maintenance is crucial for the efficiency and lifespan of your air compressor and the oil separator.

5.1. Replacement Schedule

The oil separator element should be replaced according to the compressor manufacturer's recommendations, typically based on operating hours or a fixed time interval (e.g., every 2000-4000 hours or annually), whichever comes first. Operating conditions (e.g., dusty environments) may necessitate more frequent replacement.

5.2. Inspection

- Periodically inspect the oil separator housing and connections for any signs of leaks or damage.
- Check the oil level in the compressor regularly and ensure it is within the recommended range.



Figure 5.1: Another view of a MAKO AIRTEK compressor component, possibly related to the oil separation system, showing its robust construction.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
High Pressure Drop Across Separator	Clogged oil separator element	Replace the oil separator element.
Excessive Oil Carryover	Damaged or old oil separator element	Replace oil separator element.
	Incorrect oil level	Adjust oil level.
	Scavenge line blockage	Clear scavenge line.
	Foaming oil	Check oil quality and type.

Problem	Possible Cause	Solution
Oil Leakage from Housing	Loose connections	Tighten connections.
	Damaged gaskets/seals	Replace gaskets/seals.
	Cracked housing	Inspect and replace housing if cracked.

7. PRODUCT SPECIFICATIONS

Brand: MAKO AIRTEK
Model Number: DA 1282 DA1282
Part Number: DA 1282 DA1282
Compatibility: Designed for Sullair Air Compressors
Material: High-quality raw materials
Replacement Type: Direct Replacement
Manufacturing Standard: Meets original manufacturing standards

8. WARRANTY INFORMATION

MAKO AIRTEK guarantees that this oil separator meets original manufacturing standards. This product is designed for direct replacement and 100% compatibility. For specific warranty terms and conditions, please refer to your purchase documentation or contact MAKO AIRTEK customer support.

9. CUSTOMER SUPPORT

Should you encounter any issues or have questions regarding the MAKO AIRTEK Oil Separator, please do not hesitate to contact us. Our support team is available to assist you.

Contact Method: Please contact us via eBay message for prompt assistance.

Response Time: We aim to respond within one business day (excluding official holidays).

Business Hours: Monday to Friday.

For additional resources, you may also refer to the official Sullair compressor documentation for your specific model.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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