



90LTR AIR DISCHARGE MOBILE OIL DRAINER WITH PROBES

MODEL NO: **AK459DX.V3**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Wear eye protection



Wear protective gloves



Wear protective clothing



Wear safety footwear

1. SAFETY

- ☐ **WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- ✓ Familiarise yourself with the application and limitations of the oil drainer, as well as the potential hazards.
- ☐ **WARNING!** Always disconnect the oil drainer from the air supply after emptying, before changing accessories, servicing, or performing maintenance, and whenever the unit is not in use; vent the reservoir and store in a safe, dry, childproof area.
- ✓ Maintain the oil drainer in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Keep the work area clean, uncluttered and ensure there is adequate lighting. Observe work area conditions. Keep area well lit.
- ✓ Use the right product for the job. There are certain applications for which the oil drainer was designed. **DO NOT** modify the oil drainer and **DO NOT** use the oil drainer for a purpose for which it was not intended.
- ✗ **DO NOT** operate the oil drainer if any parts are damaged before using any product. Any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Use of any other parts will void the warranty.
- ✗ **DO NOT** operate the oil drainer when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- ☐ **WARNING!** Use eye protection. Always wear ANSI-approved impact safety goggles or a full face shield when working with this product.
- ✗ **DO NOT** exceed the product's working pressure of 0.5bar.
- ✗ Only use on a flat surface capable of supporting the Portable oil drainer and its maximum load of 18 litres.
- ✓ Dress safely. Non-skid footwear or safety boots should be used when working with the product.
- ✗ **DO NOT** allow children in the work area.
- ✓ Always check hardware and assembled parts after assembling. All connections should be tight and hardware tightened.
- ✗ **DO NOT** overreach. Keep proper footing and balance at all times to prevent tripping, falling and injury.
- ✓ Always secure the wheels and casters in place while operating the oil drainer.
- ✓ Dispose of waste oil in accordance with local authority regulations.
- ✓ Keep the oil drainer clean for best and safest performance.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use, and ensure that all connections are secure.
- ✗ **DO NOT** stand on the oil drainer.
- ✗ **DO NOT** adjust or tamper with the safety valve.
- ✗ **DO NOT** move the oil drainer by the hose, or pull the hose sharply from the air supply.
- ✗ **DO NOT** place attachments close to your face and **DO NOT** point hose at other persons or animals.
- ✗ **DO NOT** allow untrained persons to operate the oil drainer.
- ✗ **DO NOT** leave the oil drainer operating unattended.
- ✗ **DO NOT** direct air from the air hose at yourself or others.
- ☐ **WARNING! DO NOT** pollute the environment by allowing uncontrolled discharge of waste oil.
- 1.1. **OIL DRAINER SAFETY**
Failure to heed the following warnings may result in personal injury and/or property damage.
- ☐ **WARNING!** Never leave unit unattended when operating or evacuating.
- ☐ **WARNING!** Never use near open flame or heat source.
- ☐ **WARNING!** Always check that valve below funnel is closed before emptying.
- ☐ **WARNING!** Never use unit for handling highly volatile fuels and fluids.
- ☐ **WARNING!** Use only the nozzle assembly provided.
- ☐ **WARNING!** Never fill the tank over the maximum level indicated by the level indicator.
- ☐ **WARNING!** When extracting high temperature oils ensure that hands and face are protected using suitable PPE.

2. INTRODUCTION

Steel fabricated 90L reservoir. Height-adjustable steel drain pan, fitted with grid filter. Gravity or suction feed reservoir with air discharge hose. Includes quick release oil dipstick probes powered by venturi suction pump. Fitted with reservoir oil level indicator tube. Heavy-duty wheels and castors for easy mobility.

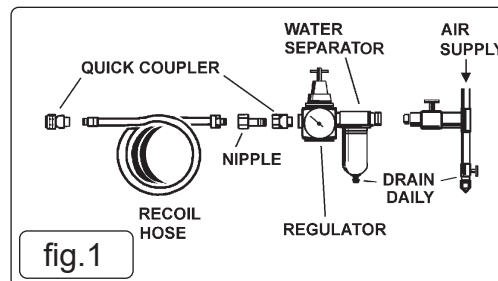
3. SPECIFICATION

Model No:	AK459DX.V3
Air Discharge:	Yes
Air Inlet Size:	1/4"
Capacity:	90L
Collection Bowl Capacity (L):	18L
Maximum Height to Pan:	1825mm

Maximum Inlet Pressure:	7bar
Minimum Height to Pan:	1300mm
Nett Weight:	26kg
Oil Discharge Pressure (bar):	0.5bar
Suction Probe:	Yes
Temperature Range:	<90°C

4. AIR SUPPLY

- 4.1. Recommended hook up is shown in fig.1.
- 4.2. Ensure the air valve is in the "Off" position before connecting to the air supply.
- 4.3. You will require an air pressure of 7 bar.
- ❑ **WARNING:** Ensure the air supply is clean and does not exceed pressures specified in these Instructions. Too high an air pressure and/or unclean air will shorten the drainer life due to excessive wear, and may be dangerous.
- 4.4. Drain the air tank daily. Water in the air line may damage the drainer.
- 4.5. Clean the air inlet filter screen weekly.
- 4.6. Line pressure should be increased to compensate for unusually long air hoses.



5. CONTENTS

QTY	ITEM
1	Collection bowl
1	Soft grip handle
2	Ball-bearing swivel castor wheel
2	Heavy-duty wheel
1	Probe container
1	Flexible probe Ø6x740mm (plastic)
1	Flexible probe Ø8x740mm (plastic)
1	Malleable probe Ø6x740mm
1	Adjustable steel tube
1	Suction hose
2	M8x16mm Hx Hd bolt
2	M8 plain washer
2	M12 dome nut
2	M12 plain and spring washer
1	5mm hex key
1	PTFE tape

6. ASSEMBLY

- 6.1. Assemble according to the exploded drawing, ensuring all connecting parts are securely sealed with tape or sealant. No components should be loose.

6.2. Step 1: Attach the Caster Wheels

Lay the tank horizontally or tilt it gently with support.

1. Insert the two fixed wheels (2) at the rear using provided nuts/bolts.
2. Attach the two swivel casters (8) at the front for steering control.
3. Tighten all bolts securely using a wrench.

Step 2: Mount the Oil Collection Bowl & Stand

1. Insert the telescopic oil bowl stand (26) into the top port of the tank (1).
2. Secure with the locking knob or collar nut provided.
3. Attach the oil collection bowl (25) at the top of the stand.
4. Adjust to desired height and lock it in place.

Step 3: Install the Oil Suction Probe

1. Attach Venturi Suction Pump Assembly (24) into the stand on Tank (1).

Step 4: Connect the Suction Hose Assembly

1. Attach Plastic Holder (21), Flexible Probe Container (22), Flexible probe Assembly Set (23) onto Tank (1).
2. Locate the main transparent suction hose. Attach to Flexible Probe Assembly (23).
3. Use hose clamps and tighten securely.
4. Attach the other end to the probe manifold or hand valve.

Step 5: Attach Air Discharge System

1. Connect the Discharge Hose (12) port on the tank.
2. Wrap threads with Teflon tape to prevent air leaks.

- Step 6: Attach Tank Handle (16) to tank (1) using supplied fixings.



1. Attach Discharge Hose Clamp (15) using supplied fixings to tank (1).
2. Attach Quick Connector (17) to Valve (18), Safety Valve (20) and Air Connector (19) to Tank (1). See illustration on parts list.
3. Attach Protective Cover (7).

Step 6: Final Checks

1. Ensure all connections are tight and leak-free.
2. Test wheel mobility and height adjustment of the bowl.

6.3. PRE INSPECTION

1. Pre-Use Inspection

- Before each use, inspect the entire oil lift system for any issues.
- Check air hoses for damage, and ensure screws are tight and properly aligned.
- Look for any misalignment, obstruction of moving parts, improper mounting, or broken components that could affect safe operation.
- If you hear unusual noise or experience vibrations, turn off the air compressor immediately and resolve the issue before further use.

2. Safety Precaution

- Always disconnect the air supply and release all compressed air before cleaning, servicing, or maintaining the system.

Cleaning

- Keep the exterior of the equipment free from oil and grease.
- Use a mild soap and a damp cloth for cleaning.
- **DO NOT** use flammable or combustible solvents.

4. Oil Level Inspection

- Before and during use, regularly check the oil indicator tube.
- **DO NOT** allow the used oil level to exceed the holding capacity to prevent overflow or damage.

7. OPERATION

- 7.3.1. Select the probe that best fits the size of the dipstick or oil access opening to ensure proper suction and prevent damage.

7.1. OIL COLLECTION BY GRAVITY

1. Open the oil pan drainage valve.
2. Raise the vehicle with a vehicle lift.
3. Push the oil drainer underneath the vehicle ensuring that the oil pan is directly beneath the oil drain plug. Adjust the height of the oil pan as required using the height adjustment
4. Then unscrew the vehicle's oil drainage plug.

OIL COLLECTION BY SUCTION

1. Connect a pressurized air supply to the suction air inlet and open the valve.
2. Check the air pressure gauge and allow the pressure drop down to -0.5bars. Then close the air inlet valve and shut off the compressed air. The oil drainer is depressurised and ready to use.
3. With the vehicle's engine still warm, remove the vehicle's oil dipstick. Then select the most suitable suction probe, insert into the engine as far as possible.
4. Connect the suction hose to the probe.
5. Open the valve on the suction hose, to extract the oil.
6. Once the oil is completely drained from then engine, close the valve on the suction hose.

7.2. DRAINING OIL FROM TANK

1. Ensure the Tank is Properly Sealed:

- Before applying air pressure, make sure all drain valves and fittings are closed securely.
- The cap should be in place to maintain pressure.

- ☐ **WARNING! DO NOT** release the oil pan drainage valve while pressure remains in the tank. Doing so can cause the drainage tube and pan to be forcefully ejected upward, potentially resulting in serious injury or damage to nearby equipment. Always ensure the tank is fully depressurized before opening the valve.

2. Connect to Compressed Air:

- Attach an air compressor to the air inlet valve on the oil drainer.
- Set air pressure.

3. Place the Discharge Hose in a Waste Oil Container:

- Position the discharge hose or spout into an approved waste oil drum or disposal tank.
- Ensure the hose is secure to avoid spills.

4. Open the Air Valve Slowly:

- Gradually open the air discharge valve to pressurise the tank.
- Oil will begin to flow out under pressure.

5. Monitor the Flow:

- Watch the process to prevent overfilling or splashing.
- Stop the air supply once the tank is emptied.

6. Disconnect Air and Clean Up:

- Turn off and disconnect the air supply.
- Wipe down any oil residue and store the equipment properly.

8. MAINTENANCE

When not in use, disconnect from the air supply, vent the tank and store in a safe, dry and childproof place.

Check the suction air hoses for signs of wear and tear before each use. Ensure that all connections are secure. Regularly unscrew and clean the air filter.

To prevent corrosion do not store waste oil in the tank for long periods.

Wipe the surface areas of the oil drainer regularly to keep it clean.

When not in use store in a cool, dark place and out of direct sunlight.

9. TROUBLESHOOTING

Symptoms	Possible Causes	Corrective Actions
The vacuum level does not meet the required specification.	<ol style="list-style-type: none"> 1. Air leaking. 2. Ball bearing is rusty. 	<p>When not in use, disconnect from the air supply, vent the tank and store in a safe, dry and childproof place. Check the suction air hoses for signs of wear and tear before each use. Ensure that all connections are secure. Regularly unscrew and clean the air filter.</p> <p>To prevent corrosion do not store waste oil in the tank for long periods.</p> <p>Wipe the surface areas of the oil drainer regularly to keep it clean.</p> <p>When not in use store in a cool, dark place and out of direct sunlight.</p>
The vacuum gauge pointer drops quickly after vacuumization.	Air leaking.	Same as above.
The vacuum gauge shows a pressure drop but fails to suction oil.	<ol style="list-style-type: none"> 1. The seal ring is damaged. 2. The cover of the oil suction tip is deformed or misshapen. 3. Oil temperature is too low. 4. Check whether the oil suction valve is turned on or off. 5. Check if the oil suction pipe is blocked or touching the bottom of the tank. 	<ol style="list-style-type: none"> 1. Replace the seal ring on the oil suction plug. 2. Replace the oil suction tip cover if it is damaged or deformed. 3. Allow the oil to reach normal operating temperature, then try again. 4. Ensure the oil suction pipe valve is fully open. 5. If the suction pipe is clogged, clean it before proceeding.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



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Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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