

INSTRUCTIONS FOR:
**24LTR MOBILE OIL DRAINER WITH
AIR DISCHARGE & PROBES**
Model: **AK424DX**

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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

1.1. GENERAL SAFETY

- WARNING!** Ensure that Health & Safety, local authority and general workshop practice regulations are adhered to when using this equipment.
- ✓ Familiarise yourself with the applications, limitations and hazards of the oil drainer.
- WARNING!** Disconnect the drainer from the air supply before changing accessories, servicing or performing any maintenance.
- ✓ Maintain the 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 that there is adequate lighting.
- ✓ Keep the drainer clean for best and safest performance.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the work area.
- WARNING!** Ensure that the correct air pressure is maintained and not exceeded.
- ✓ Keep air hoses away from heat, oil and sharp edges. Check air hoses for wear before each use, and ensure that all connections are secure.
- x **DO NOT** use the drainer for any purpose other than that for which it is designed.
- x **DO NOT** operate the drainer if any parts are damaged or missing as this may cause failure and/or personal injury.
- x **DO NOT** stand on the drainer.
- x **DO NOT** adjust or tamper with the safety valve.
- x **DO NOT** move the drainer by the hose, or yank the hose from the air supply.
- x **DO NOT** place attachments close to your face (especially eyes, ears etc.) and do not point air hoses at other persons or animals.
- x **DO NOT** allow untrained persons to operate the drainer.
- x **DO NOT** operate the drainer when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- x **DO NOT** leave the drainer operating unattended.
- ✓ When not in use disconnect from the air supply, vent reservoir and store in a safe, dry, childproof area.
- ✓ Dispose of waste oil in accordance with local authority regulations.
- WARNING!** DO NOT pollute the environment by allowing the uncontrolled discharge of waste oil.



2. INTRODUCTION & ASSEMBLY

2.1. Introduction

2.1.1. The AK424DX has a steel fabricated 24ltr reservoir, a telescopic steel drain pan and a metal filter grid. A venturi suction pump powers the oil dipstick probes. Included is a set of three quick release, 675mm long probes - 5, 6 and 8mm diameter. Gravity or suction feed oil drainer with air discharge. Fitted with an oil level indicator.

2.2. Assembly

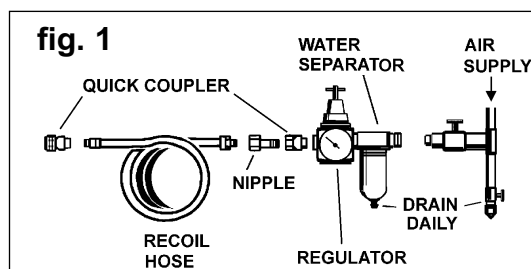
Note: Numbers in brackets refer to item numbers on the Parts Diagram.

2.2.1. Screw the oil drain pan (79) onto the support pipe valve (77), using connector (19).

3. AIR SUPPLY

The recommended hook-up is shown in fig. 1.

- 3.1. Ensure the air valve is in the "Off" position before connecting to the air supply.
- 3.2. You will require an air pressure of 8 - 9 bar.
 - WARNING!** Ensure the air supply is clean and does not exceed pressure 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, causing damage and/or personal injury.
- 3.3. Drain the compressor air tank daily. Water in the air line may damage the drainer.
- 3.4. Clean the air inlet filter screen weekly.
- 3.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 10mm I.D. and fittings must have the same inside dimensions.
- 3.6. Keep hose away from heat, oil and sharp edges. Check hoses for wear and make certain that all connections are secure.



4. OPERATION

- **WARNING! Ensure that you read, understand and apply the safety instructions in Section 1.**
- **WARNING! All valves must be CLOSED and the pipe clamp tightened before applying air pressure to the unit.**
- Note: Prior to initial use, open all valves, allow any residual pressures to vent and then close all the valves.**
- Note: Numbers in brackets refer to item numbers on the Parts Diagram.**
- ▲ **IMPORTANT! Ensure that there is sufficient capacity in the drainer reservoir before starting the draining procedure.**
- 4.1. Gravity feed oil drainer**
 - 4.1.1. Raise the oil pan (79) to the required height and lock in place with clamp (84).
 - 4.1.2. Open the support pipe valve (77) and the air valve (34).
 - 4.1.3. Remove the vehicle's oil drain plug and the oil will drain via the oil pan into the reservoir under gravity.
- 4.2. Creating a vacuum**
 - 4.2.1. With all valves closed, connect the air supply to the venturi quick connector (25/16) and turn on air supply at a pressure of 8 - 9 bar.
 - 4.2.2. Open ball valve (15) and pressure in reservoir will begin to fall as shown on the vacuum gauge (13).
 - 4.2.3. When vacuum gauge shows -0.8 - 0.9 bar close ball valve (15), turn off air supply and disconnect the air line from the coupling.
- 4.3. Suction feed - probes**
 - 4.3.1. Create a vacuum, as described in 4.2.
 - 4.3.2. Select a probe to suit the engine to be drained and connect it to the vacuum hose (101).
 - 4.3.3. Remove the engine oil dipstick and insert the probe into dipstick tube.
 - 4.3.4. Open the ball valves at either end of the hose (101/34) and the oil will be drawn from the sump into the reservoir.
- Note: Once the sump is empty, air will be drawn in and reservoir will revert to atmospheric pressure (vacuum gauge will show zero).**
- 4.4. Suction feed - oil pan**
 - 4.4.1. Create a vacuum, as described in 4.2.
 - 4.4.2. Open the support pipe valve (77) and the oil will be sucked into the reservoir.
- Note: Once the oil pan is empty, air will be drawn in and reservoir will revert to atmospheric pressure (vacuum gauge will show zero).**
- 4.5. Emptying**
 - **WARNING! The support pipe clamp (84) MUST be tightened before the reservoir is pressurised. Failure to do this will result in the support pipe and oil pan being ejected with some force, causing damage and possible injury.**
 - 4.5.1. Ensure that all valves are closed and connect the air supply at a pressure of 2 - 2.5 bar to the air inlet coupling (34/16).
 - 4.5.2. Open the inlet ball valve (34) and allow the reservoir to pressurise until safety valve (29) vents. Close the inlet ball valve and disconnect air supply.
 - 4.5.3. Place the end of the hose (101) in the waste oil container and then open the hose ball valves (101/34).
 - 4.5.4. When all waste oil is displaced from reservoir any remaining air pressure will be lost. Confirm that reservoir pressure is zero on pressure gauge (22) and then close valve (34) between hose and tank.
- Note: Never leave the drainer with pressure, or vacuum, in the reservoir.**
- 4.5.5. At regular intervals remove the reservoir plug (68) and drain off accumulated sludge.
- **IMPORTANT! Dispose of waste oil in accordance with local authority regulations.**

5. DECLARATION OF CONFORMITY

Declaration of Conformity We, the sole UK importer, declare that the product listed below is in conformity with the following standards and directives.

24 LITRE MOBILE OIL DRAINER
Model: AK424DX

97/23/EC Pressure Equipment Directive
93/68/EEC CE Marking Directive



The construction file for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman

18th August 2003

For Jack Sealey Ltd. Sole UK importer of Sealey Power Products.

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.

IMPORTANT: No liability is accepted for incorrect use of this product.

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

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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