

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: READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS FILTER CRUSHER 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. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- ❑ **WARNING!** Wear protective gloves and approved safety eye protection (standard spectacles are not adequate).
- ❑ **WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- ✗ **DO NOT** allow untrained persons to use the filter crusher.
- ✗ **DO NOT** operate the filter crusher when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** operate the filter crusher if parts are damaged or missing as this may cause failure and/or personal injury.
- ✗ **DO NOT** use the filter crusher for a task it is not designed to perform.
- ✗ **DO NOT** crush aerosol cans, cylinders of compressed gas, fuel filters or containers of flammable liquids or solvents.
- ✗ **DO NOT** smoke when using crusher.
- ✗ **DO NOT** modify the crusher or alter the operation in any way to circumvent the interlocking door mechanism.
- ✓ Place oil filters into the crushing chamber open side down.
- ✓ Maintain the filter crusher in good condition. Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and invalidate the warranty.
- ✓ Familiarise yourself with the applications, limitations and potential hazards of the filter crusher.
- ✓ Keep work area clean, uncluttered and ensure there is adequate lighting.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep the filter crusher clean for best and safest performance.
- ✓ When not in use release pressure from the filter crusher.
- ✓ Wear appropriate clothing such as overalls.
- ✓ Keep untrained/unauthorised personnel away from filter crusher.
- ✓ Clean up any spilled oil immediately so it will not cause a slipping hazard.
- ✓ If the unit has to be re-sited it should be moved with the crushing module in the lowered position.

2. INTRODUCTION & SPECIFICATION

2.1 Introduction.

Reduce your waste disposal costs* - crushing filters minimises the volume of your hazardous waste. Air operated oil filter press with safety lock-out device which prevents the door being opened during operation. Floor mounting unit with outlet for waste oil transfer.

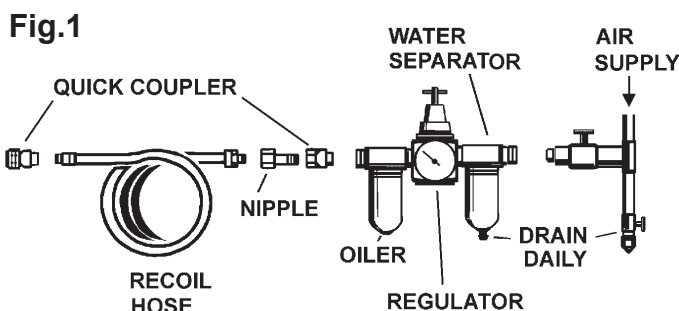
* For disposal by volume customers.

2.2 Specification.

- 1 Max. Filter Capacity (H x D): 290mm x 178mm
- 2 External Dimensions (H x W x D): 1760 x 730 x 565mm
- 3 Air Supply: 100-160psi
- 4 Air Inlet: 1/4"FNPT
- 5 Waste Oil Connection: 3/4"FNPT
- 6 Weight: 125kg

3. INSTALLATION

- ❑ **WARNING!** The unit is very heavy (125kg) and should only be moved with a crane or forklift truck.
 - 3.1 Location and installation.**
 Locate the crusher in a suitable place indoors on firm and level concrete.
 - 3.1.1 For transit purposes the crusher is supplied in a lowered position. The unit must be bolted to the floor with four 1/2" or 3/8" anchor bolts and this should be done before raising the unit to its operational position.
 - 3.1.2 A fork lift truck or suitable crane should be used to raise the unit to its operational position. There is a 5/16" bolt towards the bottom of the column which prevents the unit sliding up the column during transit. Remove this bolt. Also remove the large nut and bolt from upper part of the column. Leave the 5/16" bolt at the top of the column in place. Move the crushing module up the column and align the holes in the square collar with the holes in the column and insert the large bolt and secure with the nut provided.
 - 3.1.3 Connect the oil collection tray to a suitable waste oil container. The tray has a 3/4"FNPT connection on its underside. The unit can be directly plumbed into a remote waste oil tank using male threaded pipe. Alternatively a 1" I.D. hose could be connected to discharge directly into a drum.
 - 3.2. Air Supply.**
 Connect the air supply to the air inlet situated on the right hand side of the unit adjacent to the door handle. The inlet connection is 1/4"FNPT. The recommended air hook-up procedure is shown in fig 1.
 - 3.2.1 You will require a minimum air pressure of 100psi.
 - 3.2.2 **WARNING!** Ensure the air supply is clean and does not exceed 200 psi whilst operating the filter crusher. Too high an air pressure and unclean air will shorten the product life, and may be dangerous, causing damage and/or personal injury.
 - 3.2.3 Drain the air tank daily. Water in the air line will damage the ram.
 - 3.2.4 Clean compressor air inlet filter weekly.
 - 3.2.5 Line pressure should be increased to compensate for unusually long air hoses (over 8 metres).
 - 3.2.6 Keep hose away from heat, oil and sharp edges. Check hose for wear, and make certain that all connections are secure.
- The filter crusher is now ready for use.



4. OPERATION

Fig.2

5. MAINTENANCE

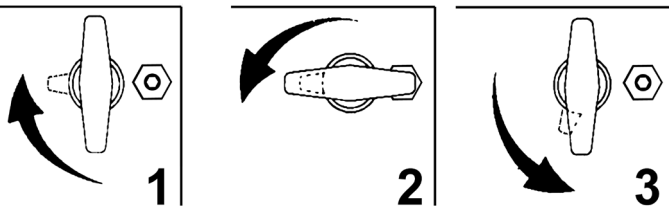
- ❑ **WARNING! All inspection and maintenance procedures should be carried out with the air disconnected and the ram retracted.**

5.1 Normal maintenance.

- 5.1.1 Persons using the crusher should be properly trained in its use including inspection of the unit prior to operation. If the operator is in any doubt regarding the proper functioning or structural integrity of the unit it should not be used. Remove it from service immediately and contact your local Sealey dealer.
- 5.1.2 If the unit is used daily it should be further inspected by a qualified person on a weekly basis.
- 5.1.3 If the unit is used intermittently it should be further inspected by a qualified person on a monthly basis.
- 5.1.4 All warning labels, instruction labels, and specification labels should be complete and readable.
- 5.1.5 External surfaces of the unit can be washed with a mild soap solution.
- 5.1.6 Clean and/or remove sludge and other foreign matter from the crushing chamber after each use.
- 5.1.7 Periodically remove the oil collection tray and clean/remove any sludge and other foreign matter. If using filters with paper elements ensure that the tray outlet is not clogged.

5.2 Control valve actuation adjustment.

- 5.2.1 Firstly make sure the two screws securing the control valve on the right hand side of the unit are tight. Make sure the two screws securing the handle latch to the door are tight and the two jam nuts securing the latch pawl to the stem are tight.
Note: The setscrew on the door that actuates the control valve and the pawl on the door handle latch are adjusted at the factory and should not normally need adjustment.
- 5.2.2 Should the set screw on the door become loose it will require readjustment. Back the setscrew out. Close door and turn door handle fully clockwise to solidly latch the door.
- 5.2.3 Using a hex wrench, slowly tighten the setscrew until the top platen lowers and there is no air leakage detected around the control valve. Tighten the setscrew 1/2 turn further and secure the setscrew with a semi-permanent thread locking compound.
- 5.2.4 Rotate the latch handle 1/4 turn counter-clockwise. The air should exhaust and the ram should retract, but the pawl should remain loosely engaged with the door closed.
- 5.2.5 Rotate the latch fully counter-clockwise and the door should open. Repeat step 2 through 5 if the door does not operate correctly.



- 4.1 Place the oil filter with its open end downwards in the centre of the crushing chamber
- 4.2 Close the door and turn the handle fully clockwise through 180°. (See Fig.2-1. above). The last 90° of handle movement activates the air valve and the ram will extend. After approximately 45 seconds the air will cease to flow indicating that the filter has been crushed. During the crushing process there will be some noise and vibration.
- 4.3 To remove the crushed filter turn the door handle through 90° anticlockwise and air will exhaust from the ram. (See Fig.2-2 above). The door will not open until the ram is fully raised and this will take approximately ten seconds.
- 4.4 After ten seconds turn the handle fully anticlockwise (See Fig 2-3. above), open the door and take out the crushed filter.
- 4.5 A filter may be crushed for extended periods of time. The unit can be left under pressure until the next filter is ready for crushing.
- 4.6 Two filters of the same size may be crushed together providing you have adequate air pressure.
- 4.7 Periodically check the oil level in the collection tray. This can be viewed through the opening beneath the door when the door is closed. If the oil level begins to rise this may be due to an accumulation of sludge and semi-solid waste from the filters. It will then be necessary to remove the tray and clean it. The waste should be disposed of in accordance with local authority regulations.



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

Oil Filter Crusher Model No. HFC08

93/68/EEC CE Marking Directive
2006/42/EC Machinery 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

21st February 2008

For Jack Sealey Ltd. Sole importer into the UK of Sealey Professional Tools.

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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