



# PNEUMATIC FILTER CRUSHER

MODEL NO: HFC08.V2

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

## 1. SAFETY

- ❑ **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 footwear.
- ✓ 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

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.

## 3. SPECIFICATION

Capacity:..... 10tonne  
 External Size (H x W x D): .....880 x 550 x 335mm  
 Internal Size (H x W x D):.....280 x 190 x 190mm  
 Maximum Filter Capacity (Height x Ø): .....216 x 152mm  
 Nett Weight: ..... 113.00Kg  
 Pressing Time: ..... 30sec  
 Supply:..... 100-190psi

## 4. ASSEMBLY

- ❑ **WARNING!** The unit is very heavy and should only be moved with a crane or forklift truck.

### 4.1. LOCATION AND ASSEMBLY

Locate the crusher in a suitable place indoors on firm and level concrete.

- 4.1.1. Firstly the stand must be assembled. Attach the two legs (Fig.1C) to the cross beam (Fig.1E) using two bolts washers and nuts either side. Ensure that upright supports (Fig.1B) are secured with the far nut (Fig.1D) on each leg.

- 4.1.2. Place the upright on the crossbeam (Fig.1E) aligning with the pre-drilled holes. Ensuring it is the correct way around with the lip over the back of the cross beam. Secure with two bolts, washers and nuts vertically through the cross beam and two horizontally through the lip of the upright.

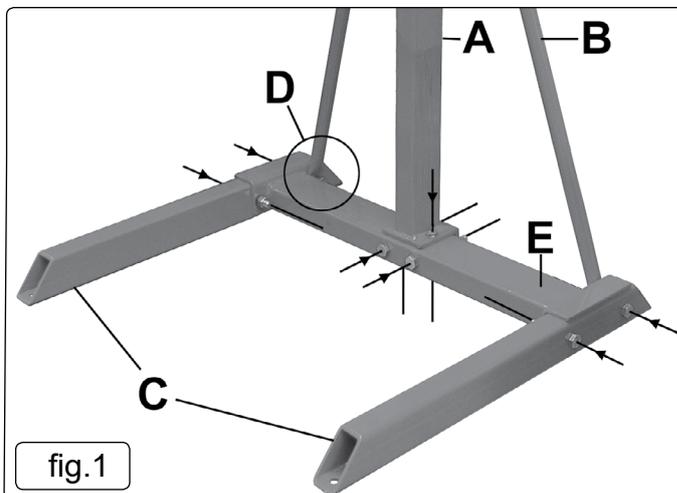


fig.1

- 4.1.3. Secure the upright supports (Fig.1B) already attached to the legs (Fig.1D), to the upright using a bolt, nut and washer part way up the upright (not in picture).
- 4.1.4. The unit must be bolted to the floor with four 1/2" anchor bolts, one at each end of the legs. This must be before the crushing unit is secured.
- 4.1.5. A fork lift truck or suitable crane should be used to raise the unit to its operational position. Remove the large nut and bolt from upper part of the upright. Slide the mounting collars on the back of the crushing module onto the upright and align the holes in the upper collar with the holes in the upright and insert the large bolt and secure with the nut provided.
- 4.1.6. The oil collection tray has a 1/2" hose adaptor on its underside so the unit can be plumbed into a remote waste oil container.

**4.2. AIR SUPPLY.**

4.2.1. Connect the air supply to the air inlet on the air regulator mounted 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.2

4.2.2. You will require a minimum air pressure of 100psi.

**WARNING!** Ensure the air supply is clean and does not exceed 190psi 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.

4.2.3. Drain the air tank daily. Water in the air line will damage the ram.

4.2.4. Clean compressor air inlet filter weekly.

4.2.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres).

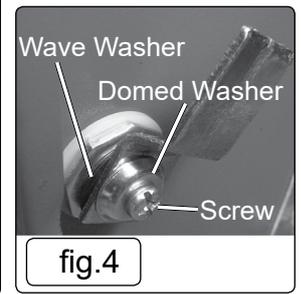
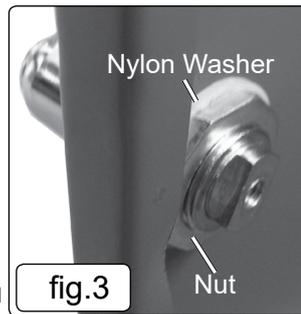
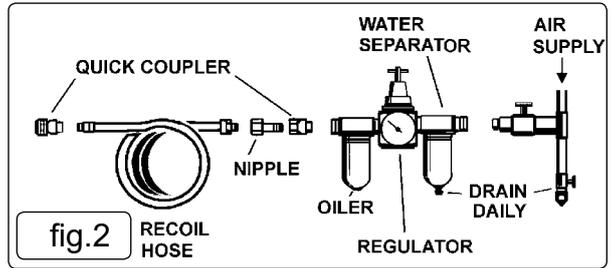
4.2.6. Keep hose away from heat, oil and sharp edges. Check hose for wear, and make certain that all connections are secure.

**4.3. FITTING DOOR HANDLE.**

Place the handle shaft through the door from the outside and secure with nylon washer and nut (Fig.3).

**Note:** The door handle has a locking button and when fitting the handle it should be configured so the locking button requires pressing to fully latch or unlatch the door. The handle should be configured so the closed (locked) position will leave the handle pointing downwards.

4.3.1. Move the handle to the horizontal (open) position. Place the washer and door catch on the end of the door handle shaft pointing downwards and secure with the screw (Fig.4).



**5. OPERATION**

- 5.1. Open air regulator and set pressure to a minimum of 100psi.
- 5.2. Place the empty filter, open end downwards in the centre of the crushing chamber.
- 5.3. Close the door ensuring the lock is full engaged. (The crusher will not function until the door is firmly closed).
- 5.4. Turn the control lever LEFT to the 'DOWN' position and the piston will descend.
- 5.5. When the crushing ram reaches the bottom the filter is crushed. You can also listen for the air to stop flowing (approx 30 seconds).
- 5.6. Turn the control lever RIGHT to the 'UP' position, when the piston has returned to the start position move the control lever back to the centre 'STOP' position.

**WARNING!** Never attempt to open the door until the piston is fully retracted and the control lever is in the 'Stop' position.

5.7. Open the door and remove the crushed filter. Close air regulator and disconnect air supply.

**Note:** Leave the door ajar when not in use.

**6. MAINTENANCE**

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

**6.1. NORMAL MAINTENANCE.**

- 6.1.1. 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 stockist.
- 6.1.2. If the unit is used daily it should be further inspected by a qualified person on a weekly basis.
- 6.1.3. If the unit is used intermittently it should be further inspected by a qualified person on a monthly basis.
- 6.1.4. All warning labels, instruction labels, and specification labels should be complete and readable.
- 6.1.5. External surfaces of the unit can be washed with a mild soap solution.
- 6.1.6. Clean and/or remove sludge and other foreign matter from the crushing chamber after each use.

 **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.

**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 is required for any claim.

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