



INSTRUCTIONS FOR:
AIR HYDRAULIC FLOOR PRESS
Models: YK30FAH.V2, YK50FAH.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 THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

1.1 GENERAL SAFETY

- 3 Familiarise yourself with this products application and limitations, as well as the specific potential hazards peculiar to the press.
- 3 Maintain the press in good condition (use an authorised service agent).
- 3 Replace or repair damaged parts. *Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- 3 Keep the press clean for best and safest performance.
- 3 Locate the press in an adequate working area for its function, keep area clean and tidy and free from unrelated materials, and ensure there is adequate lighting.
- 3 Ensure the workpiece is correctly secured before operating the press.
- p **WARNING!** Always wear approved eye or face protection when operating the press.
- 3 Remove ill fitting clothing. Remove ties, watches, rings, and other loose jewellery, and contain long hair.
- 3 Keep hands and body clear of the work table when operating the press.
- 3 Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- 3 Keep children and unauthorised persons away from the working area.
- 7 **DO NOT** operate the press if any parts are missing as this may cause failure or possible personal injury.
- 7 **DO NOT** force the press to achieve a task it was not designed to perform.
- 7 **DO NOT** adjust or tamper with the safety valve.
- 7 **DO NOT** exceed the rated capacity of the press.
- 7 **DO NOT** apply off centre loads.
- 7 **DO NOT** allow the workpiece or the arbor plates to fall from the press working bench.
- 7 **DO NOT** get the press wet or use in damp or wet locations or areas where there is condensation.
- 7 **DO NOT** operate the press when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- 3 When not in use release pressure from the pump and clean the press. Stand or store the arbors in a safe location.
- WARNING!** Always position the press against a wall. If the press is situated in the open workshop, it is essential that a guard be placed at the rear of the unit. This will prevent injury to bystanders in the event of the work piece ejecting suddenly.
- WARNING!** The warnings, cautions and instructions in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.
- ▲ **DANGER!** The press is top heavy. If it requires moving after assembly or for relocation, use suitable slings around the top crossbeam, or lift direct with a forklift with the forks located under the top crossbeam. **DO NOT** use a pallet truck.

2. INTRODUCTION & SPECIFICATIONS

Heavy-duty press frame with integrally mounted air motor powering reliable hydraulic pump unit. Reinforced frame head fitted with sliding hydraulic ram assembly giving 250mm of lateral travel for off-centre pressing applications. Fitted with ram pressure gauge and table winch aiding exact alignment of the ram head and workpiece. Supplied with a pair of V-blocks.

WARNING! All models are purpose designed to withstand greater loads than the hydraulic units can develop. For safety reasons, always ensure the workpiece is secured on table and loads that flex will not suddenly "give" causing danger to operator or damage to component.

| Model: | YK30FAH.V2 | YK50FAH.V3 |
|---------------------|--------------|--------------|
| Capacity | 30ton | 50ton |
| Ram Stroke | 95mm | 120mm |
| Extension screw | 75mm | 75mm |
| Lateral ram travel | 250mm | 250mm |
| Max Ht-ram to table | 615mm | 720mm |
| Min Ht-ram to table | 165mm | 155mm |
| Table Aperture | 145mm | 170mm |
| Work table width | 710mm | 710mm |
| Overall Height | 1770mm | 1910mm |
| Gauge Included | Yes | Yes |
| Weight | 202kg | 242kg |
| Working Pressure | 100 - 145psi | 100 - 145psi |
| Air Consumption | 9.0cfm | 9.5cfm |

| List of Contents | Quantity |
|------------------|----------|
| Frame | 1 |
| Legs | 1 |
| Worktable | 1 |
| Worktable Pins | 2 |
| V-Blocks | 2 |
| Pump Handle | 1 |
| Pressure Gauge | 1 |
| Winch Handle | 1 |

3. ASSEMBLY

- p **WARNING!** This equipment is very heavy! 2 - 3 people will be required to manoeuvre the components during assembly. Ensure correct form is observed where lifting is involved and that all health and safety precautions regarding the movement/use of such equipment are observed. Unpack product and check contents against list above. Should there be any damaged or missing parts contact your supplier immediately. Retain pressure gauge in carton until required, and do not remove white tape from gauge mount.

3.1. Press Assembly

- 3.1.1. Identify and lay out parts. Handle the main frame with care and lay horizontally allowing the cross legs to be bolted on to the bottom of the pre-assembled main frame. **Note:** Care must be taken when handling the main frame to ensure stability. **DO NOT** allow to fall.
- 3.1.2. Locate the pressure gauge hole in the head of the press hydraulic system and remove the dust plug with a hex key, (this may be very tightly secured).
Screw the gauge adaptor tightly into this hole, now screw the gauge into the adaptor, ensuring that the gauge comes to rest in an upright position for ease of reading.
- 3.1.3. Screw the pump handle into the pump arm.
- 3.1.4. Place v-blocks on work table ready for use. Take care to ensure the v-blocks do not fall from the work table.
- p **IMPORTANT!** Ensure that the work table is level and that both ends rest upon the appropriate pin before use. Using the press when the table is not level places excessive strain on the winch cable and main frame and is therefore extremely hazardous.
To level the table, lower using the winch until the lower end of the table rests upon the pin. Now loosen the cable fastening bolt on the other end of the table (i.e. the end which is not resting on the pin, but still supported by the cable) whilst supporting its weight. Gently lower the loose end of the table until it rests upon the pin. Now re-tighten the cable fastening bolt on that end.

4. INSTALLATION & OPERATING

4.1. INSTALLATION.

- 4.1.1. Securely attach the press to a flat, firm, level surface taking into account clearance for working pieces.

▲ **DANGER! The press is top heavy.** If it requires moving after assembly or for relocation, use suitable slings around the top crossbeam, or lift direct with a forklift with the forks located under the top crossbeam. **DO NOT** use a pallet truck.

- 4.1.2. Connect to an air supply as recommended in fig.1. The air supply must be capable of 100 to 145psi and 9 to 9.5cfm.

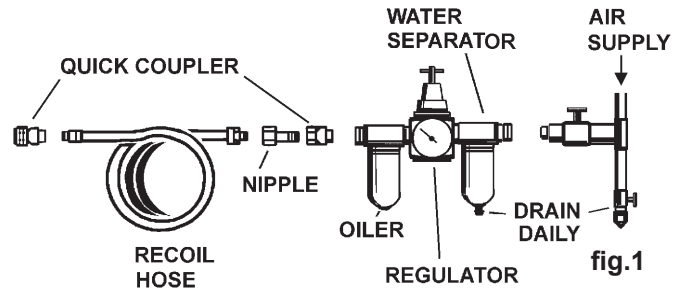
- 4.1.2. Purge hydraulic system.

Before operating the press, purge the hydraulic system in order to eliminate any air that may have built up during transit. Open the release valve and pump the handle several times. Should the system malfunction at any time, repeating this process may resolve the problem.

▲ **DANGER! Presses are purpose designed to withstand greater loads than the hydraulic units can develop. For safety reasons, always ensure the workpiece is secured on table and loads that flex will not suddenly "give" causing danger to operator or damage to component. Also ensure you have read and understood chapter 1 safety instructions.**

4.2. OPERATING INSTRUCTIONS.

- 4.2.1. Check that the release valve on the hydraulic unit is fully closed, ready for operation.
- 4.2.2. Place workpiece onto the work table or the two arbors appropriately positioned. Position the head of the hydraulic unit on the centre of the workpiece using appropriate extension. **Note:** Care must be taken to ensure an arbor does not fall from the press worktable.
- 4.2.3. **DO NOT** exceed the stroke indicated on the label or the red mark on the piston.
- 4.2.4. **DO NOT** apply off centre loads.
- 4.2.5. When work is complete release the pressure and the piston/ram head will retract automatically.
Note: Always keep the piston, extension screw and pump piston retracted after use.



5. MAINTENANCE

Note: Maintenance and repair must only be carried out by qualified person. Contact your Sealey dealer for details.

- 5.1. Lubricate all moving parts at regular intervals.
- 5.2. Always keep the press clean, dry, and protected from harsh conditions.
- 5.3. Should you need to replace oil ensure piston is fully retracted. An excess of oil will render press inoperative. Use only appropriate Sealey hydraulic oil. **DO NOT** use brake fluid. Contact your local Sealey dealer for details. Purge the system to remove any air.
- 5.4. Check your model parts information for spares. Hydraulic repair kits are also available.

IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THE PRESS.

Hydraulic products are only repaired by local service agents. We have service/repair agents in all parts of the UK.

DO NOT RETURN PRODUCT TO US. Please telephone us on 01284 757500 to obtain the address and phone number of your local agent.

If product is under guarantee please contact your dealer.

De-commissioning Product

Should the product become completely unserviceable and require disposal, draw off the oil into an approved container and dispose of the product and the oil according to local regulations.

6. DECLARATION OF CONFORMITY

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

**Air Hydraulic Press Models
YK30FAH.V2 & YK50FAH.V3**

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



The construction files for these products are held by the Manufacturer and may be inspected by a national authority on request to Jack Sealey Ltd

Signed by Mark Sweetman

Date: 1st December 2008

For Jack Sealey Ltd. Sole importer into the UK of Sealey Quality Machinery

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 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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