

HEAT PRESS

MODEL No: DHP5

INSTRUCTION MANUAL

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INTRODUCTION

THANK YOU FOR SUPPORTING A US SMALL BUSINESS!

DULYTEK DHP5 hydraulic heat press is a machine engineered and manufactured for personal use or use in research laboratories, pharmaceutical, cosmetic, food processing, textile printing, and brewing industries.

**READ BEFORE
OPERATING
MACHINERY**

To avoid accidents, first read SAFETY PRECAUTIONS (PAGE 2) and HANDLING PRECAUTIONS (PAGE 4).

Read this manual carefully to ensure you use the press correctly. After reading and familiarizing yourself with the equipment, store the manual in a safe place for future references.

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NOTICE**

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DISCLAIMER

This unit is intended for LEGAL use only, in accordance with your federal, state, and local laws, ordinances, and regulations.

Please keep this manual in a safe place for future references.

SAFETY PRECAUTIONS

The following precautions are provided to prevent harm or injury to yourself and others. Please make sure to thoroughly read, understand, and follow these precautions before using the product.

SAFETY PRECAUTIONS (continued)

If product is damaged, appears to be damaged, or malfunctions, contact DULYTEK customer service at help@dulytek.com.

WARNING: Follow the warnings below. Otherwise, death or serious injuries may occur.



- Use this product only as described in this manual.
- Keep the equipment out of the reach of children at all times.
- Unplug the heat press from the electrical outlet and let it cool down COMPLETELY before cleaning, performing maintenance, or repair.
- DO NOT operate the product after the appliance malfunctions or is dropped or damaged in any way.
- DO NOT operate the press if the plates are dirty. Clean the plates with isopropyl alcohol and wipe them dry with a clean cloth. Ensure both plates are completely dry before use.
- DO NOT immerse the press, its power cord, and plugs in water or any other liquid.
- DO NOT place the product on or near a hot gas or electric burner, heated oven, or any other heat source.
- DO NOT operate the product with a damaged cord or plug.
- DO NOT leave any cords near a heat source. It can deform the cord or melt its insulation causing electrical shock or fire.
- Always insert the power plug all the way in.
- DO NOT handle a power plug or other components of the press with wet hands.
- When unplugging a power cord, grasp and pull with the plug instead of the cord.
- DO NOT scratch, cut, twist, excessively bend, or tie the cord or put a heavy object on it.
- DO NOT let the power cord drape over the countertop or tabletop, where it can be accidentally tripped over or pulled on.
- DO NOT connect too many power plugs to the same power outlet.
- DO NOT cover the press with a cloth. Doing so may trap heat within and cause fire.
- Remove dust around the plug and power cord with a clean dry cloth. If the

SAFETY PRECAUTIONS (continued)

- surrounding is dusty, humid, or oily, short-circuit may occur, causing a fire.
- DO NOT remove the machine cover.
- DO NOT disassemble the press or make any modifications to the equipment.

HANDLING PRECAUTIONS



- The press must be operated on a hard, level surface, away from its edges to prevent accidental tipping over.
- Work area must be kept clean, tidy, and free of obstructions to the press moving parts.
- Always attach the power cord to the press first, then plug it into the wall outlet.
- To unplug the press, turn OFF the power switch, only then remove the plug from the outlet.
- DO NOT touch the press's hot surfaces. Use heat-resistant gloves or tools. Care must be exercised as serious burns can occur from touching hot platens.



- Keep hair, clothing, and gloves away from moving parts.
- Keep your hands and other body parts away from the moving parts to prevent injury.
- This press comes with a power cord that fits into a standard household 3-prong outlet (110V American market and 220V European market). DO NOT attempt to use the equipment with a two-prong electrical cord or any other way without proper grounding.
- DO NOT exceed the rated capacity.
- Contact DULYTEK at help@dulytek.com if the equipment does not start or if smoke or unusual odors are detected.
- Always turn the machine OFF and unplug it when done using.

UNPACKING

UNPACKING PRECAUTIONS

WARNING: Keep the packaging materials (cardboard, foam, plastic bags, etc.) out of the reach of children to prevent accidental choking, suffocation, strangulation, and other injuries.

Preserve the shipping container. DO NOT discard or disassemble the shipping box. It is designed to hold the weight of the product and should be used in case you need to return the equipment for repair or warranty maintenance in the future. DO NOT attempt to ship the press in a different container.

UNPACKING INSTRUCTIONS

1. Place the box on a large, sturdy, flat surface.
2. Open the box and remove the instruction manual and all parts that came with the press.
3. Remove the packaging material and carefully lift the press out of the box.
4. Remove any protective or promotional labels from the press and other parts if applicable.
5. Examine the heat press after unpacking for any damage. If found one, take a picture and contact DULYTEK at help@dulytek.com immediately.

ITEM CHECKLIST

Before starting, please make sure that the following items are included with your press machine. If anything is missing, contact DULYTEK.

1. DULYTEK DHP5 Heat Press;
2. Jack Handle;
3. 4 x Suction Cup Feet with Cap Nuts;
4. AC Power Cord;
5. Instruction Manual.

RECOMMENDED PARTS

The following items are recommended but not necessary for use with this machine:

1. Filter bags;
2. Pre-press mold;
3. Wax collection tools, glass stamp, etc.

UNPACKING (continued)

RECOMMENDED 4. DripTek stand (sold separately mount compatible with the DHP5 press)

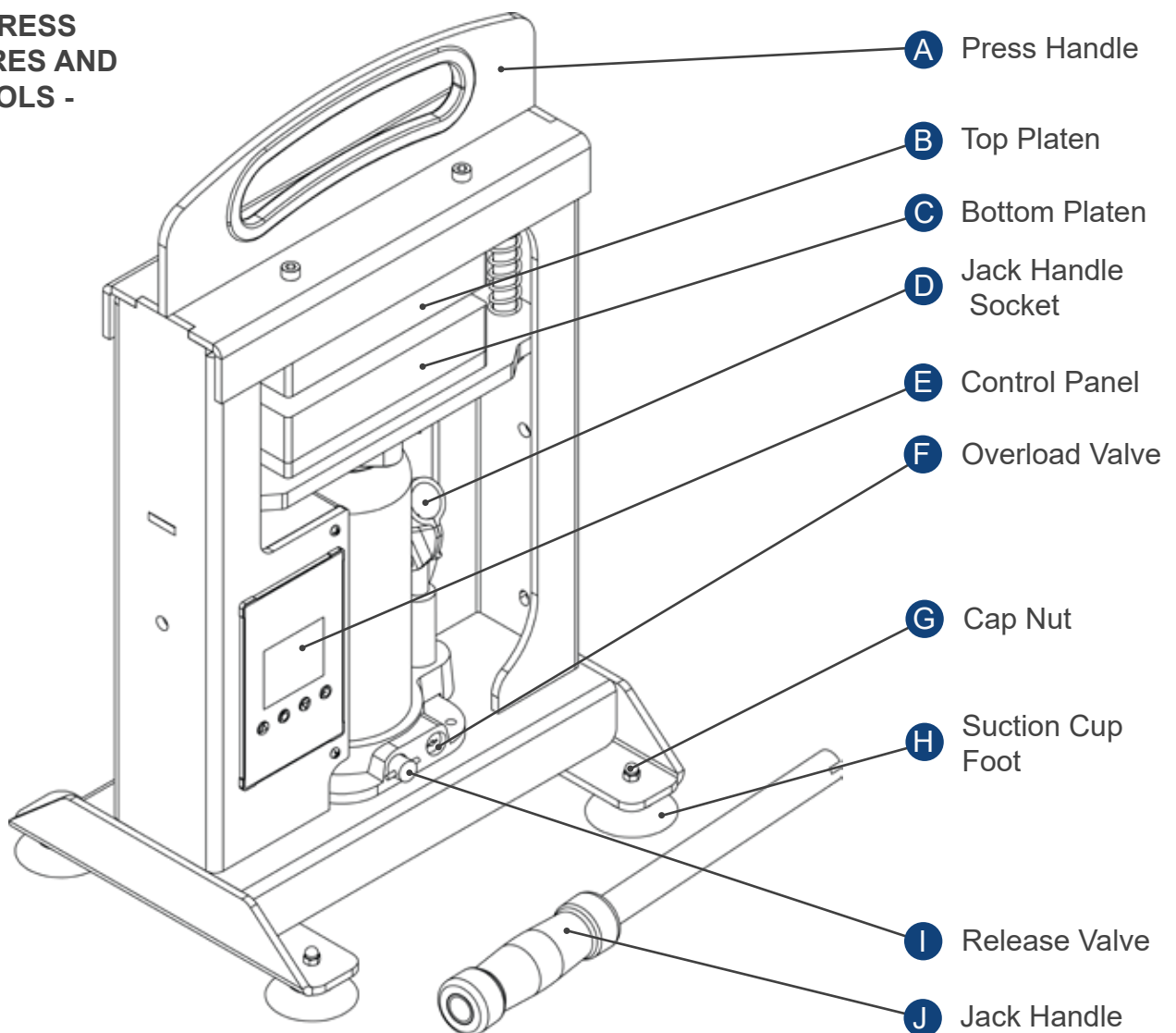
PARTS

(continued)

Please see **PRESSING TIPS** (<https://bit.ly/2YuM8pR>) for more information.

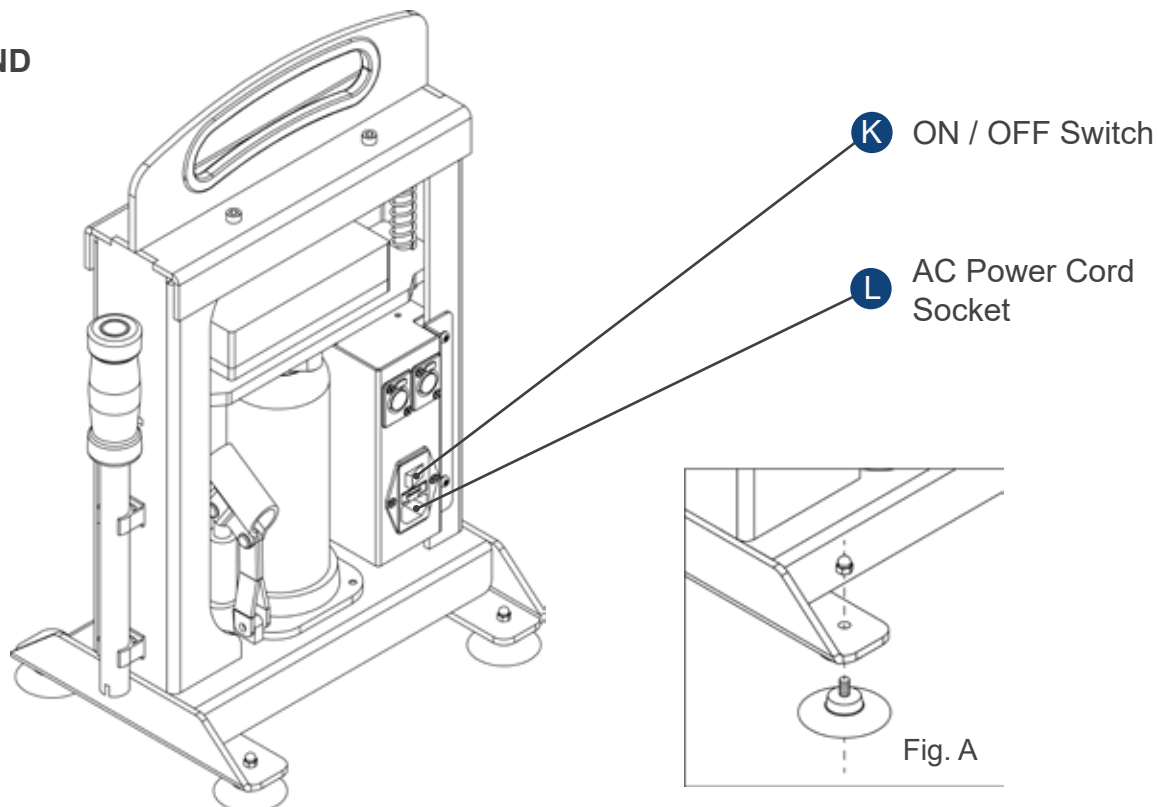
GETTING FAMILIAR

DHP5 PRESS FEATURES AND CONTROLS - FRONT



GETTING FAMILIAR (continued)

DHP5 PRESS FEATURES AND CONTROLS - BACK



OPERATING INSTRUCTIONS

OPERATING WARNING

DO NOT attempt to adjust the overload valve **F** without contacting Dulytek support first. Doing so may damage the bottle jack and reduce the lifespan of the product. The overload valve is pre-set at the factory and should not be touched during normal operation of the press. It protects the bottle jack and its parts from building up more pressure than it is designed to handle. For more information, please contact us at help@dulytek.

PREPARING PRESS

1. Attach the four enclosed suction cup feet **H** to the press base using the cap nuts **G** as shown on the Fig. A.

OPERATING INSTRUCTIONS (continued)

PREPARING PRESS (continued)

2. Prepare materials you wish to press. Please see PRESSING TIPS (<https://bit.ly/2YuM8pR>) for more information.
3. Make sure the press stands on a flat sturdy countertop.
4. Ensure the press is clean and free of residue or dust buildup.
5. Make sure all switches and controls are turned OFF.
6. Insert the included AC power cord into the AC power cord socket **L** and then plug the other end into an electrical outlet.
7. Place the slotted end of the jack handle **J** over the release valve **I** and turn it clockwise until the valve is tightly sealed.
8. Remove the jack handle **J** from the release valve **I** and insert it into the jack handle socket **D**.

STARTING PRESS

Flip the ON / OFF switch **K** to turn on the press. The control panel **E** and the power switch both become lit.

SETTING CONTROL PANEL

1. Press Set **⊙** button on the control panel **E** (Fig. 1) to go to the temperature setting mode for the top platen.
2. Press Up **▲** or Down **▼** buttons to select a desired temperature (Fig. 2). The selected temperature is shown on the upper **U** line of the display. Tip: Enter the temperature either in °F or °C; you will be able to select the temperature scale later.
3. Press Set **⊙** button again (Fig. 3) to go to the temperature setting mode for the bottom platen.
4. Press Up **▲** or Down **▼** buttons to select a desired temperature (Fig. 4).



Fig. 1



Fig. 2



Fig. 3



Fig. 4

OPERATING INSTRUCTIONS (continued)

SETTING CONTROL PANEL (continued)





- The selected temperature is shown on the lower line L of the display.
5. Press Set  button again (Fig. 5) to go to the timer setting mode.
 6. Press Up  or Down  buttons to select the desired time in seconds (Fig. 6).
 7. Press Set  button to go to the temperature scale selection mode (Fig. 7).
Tip: Depending on your machine's default settings, you may either see "F" or "C" on the display indicating the currently selected temperature scale (°F or °C).



Fig. 5



Fig. 6



Fig. 7



Fig. 8




8. Press Up  or Down  buttons to select either °F or °C (Fig. 8) OR skip this step if you are satisfied with the current selection.
9. Press Set  button once more (Fig. 9) to record all control panel settings. The platens start heating, and the heating icons are now displayed on the screen (Fig. 10).



Fig. 9

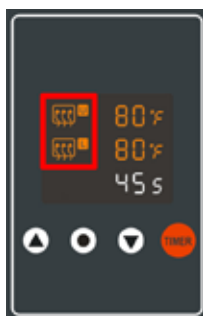


Fig. 10



Fig. 11



Fig. 12

OPERATING INSTRUCTIONS (continued)

PRESSING

1. Wait until the platens heat up to the desired temperature (Fig. 11). Tip: Once heating is finished, the heating icons are turned off.
2. Place the prepared material in the center of the bottom platen **C**.
3. Pump up and down the jack handle **J**. The bottom platen **C** starts moving up. Continue pumping until the desired pressure between the platens is reached. Tip: Please note that, when the maximum allowed pressure (5 Ton) is reached, the lower platen stops moving further up, and no pressure can be increased further even if you continue pumping the jack handle.
4. Press TIMER button on the control panel **E** to start the countdown (Fig. 12). The countdown is now shown on the lower line of the display.
5. Wait until the countdown ends and the press starts beeping.
6. Press TIMER button again to turn off the timer and stop beeping.
7. Place the slotted end of the jack handle **J** over the release valve **I** and turn it counterclockwise. The press lowers down the platen **C**.
8. Remove the pressed material using heat resistant gloves or tools and exercising extreme caution.

TURNING OFF PRESS

1. Turn the machine off by flipping ON / OFF switch **K** when done pressing.
2. Unplug and then disconnect the AC power cord from the press.
3. Wait until the press cools down completely to clean and store it.

CLEANING PRESS PLATES

We recommend cleaning the press platens after each use.

1. Make sure the press platens are completely cooled down before cleaning.
2. Apply a small amount of alcohol to a clean cloth and wipe down the platens until clean.
3. Wipe platens with a dry clean cloth.
4. Repeat these steps for cleaning all associated tools.

TROUBLESHOOTING AND MAINTENANCE

ISSUE	WHAT TO DO	
	CAUSE	SOLUTION
Platens are not heating	Heating elements or control panel unit issues	Contact customer support at help@dulytek.com
Temperature display shows “ooo”	Loose heating wires	Check heating wires connectors and re-attach them
Bottom platen is not moving up	Release valve is open	Close release valve tightly using jack handle’s slotted end and turning it clockwise
	Pressure is already at the maximum limit (5 Ton)	This is normal
Bottom platen is moving up but then goes down / bottle jack doesn’t hold pressure	Release valve is not closed tightly	Close release valve tightly using jack handle’s slotted end and turning it clockwise
	Gaskets or seals issues or leaking oil	Contact customer support at help@dulytek.com
	Bottle jack is low on oil	Refill bottle jack with oil (see YouTube videos)
	Air in bottle jack	Bleed air from bottle jack (see YouTube videos)

BOTTLE JACK REPLACEMENT The DHP5 hydraulic bottle jack is removable and replaceable. Please see the following Dulytek YouTube video instructions on how to replace bottle jacks:

1. How to Remove Bottle Jack - <https://youtu.be/kp6wSbJWMpc>
2. How to Install Bottle Jack - <https://youtu.be/j0nzHXQ-5IQ>

TECHNICAL SPECIFICATIONS

PARAMETER	USA MARKET	EU MARKET
Model	DHP5	DHP5-E
Press Force	10000 lb / 5 Ton	
Power	360 W	
Current	3.3 A	1.65 A
Voltage	110 V	220 V
Frequency	50 / 60 Hz	
Dual Heating Plates	Yes	
Platen Size	3 x 4 inch / 76 x 102 mm	
Temperature Range	up to 302 °F / 150 °C	
Timer Range	0 - 999 sec	
Dimensions	10 x 9 x 18 inch / 26 x 23 x 45 cm	
Weight	31 lb / 14.1 kg	
Package Dimensions	14 x 13 x 22 inch / 36 x 32 x 55 cm	
Package Weight	36 lb / 16.2 kg	
Certifications	CE / RoHS	