

# HEAT PRESS

MODEL No: DHP5

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## INSTRUCTION MANUAL

### CONTACT

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## INTRODUCTION

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DULYTEK DHP5 hydraulic heat press is a machine engineered and manufactured for solvent-less plant rosin oil extraction for further use in research laboratories, pharmaceutical, cosmetic, food processing, 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

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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](mailto: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)

- If the 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 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](mailto: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](mailto: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. Pump Handle;
3. AC Power Cord;
4. Instruction Manual.

### RECOMMENDED PARTS

The following items are recommended to successfully press rosin and preserve the optimal yield:

1. Parchment paper sheets;
2. Filter bags;
3. Pre-press mold;
4. Humidity packs;

## UNPACKING (continued)

**RECOMMENDED 5.** Collection tools (dab tools, glass stamp).

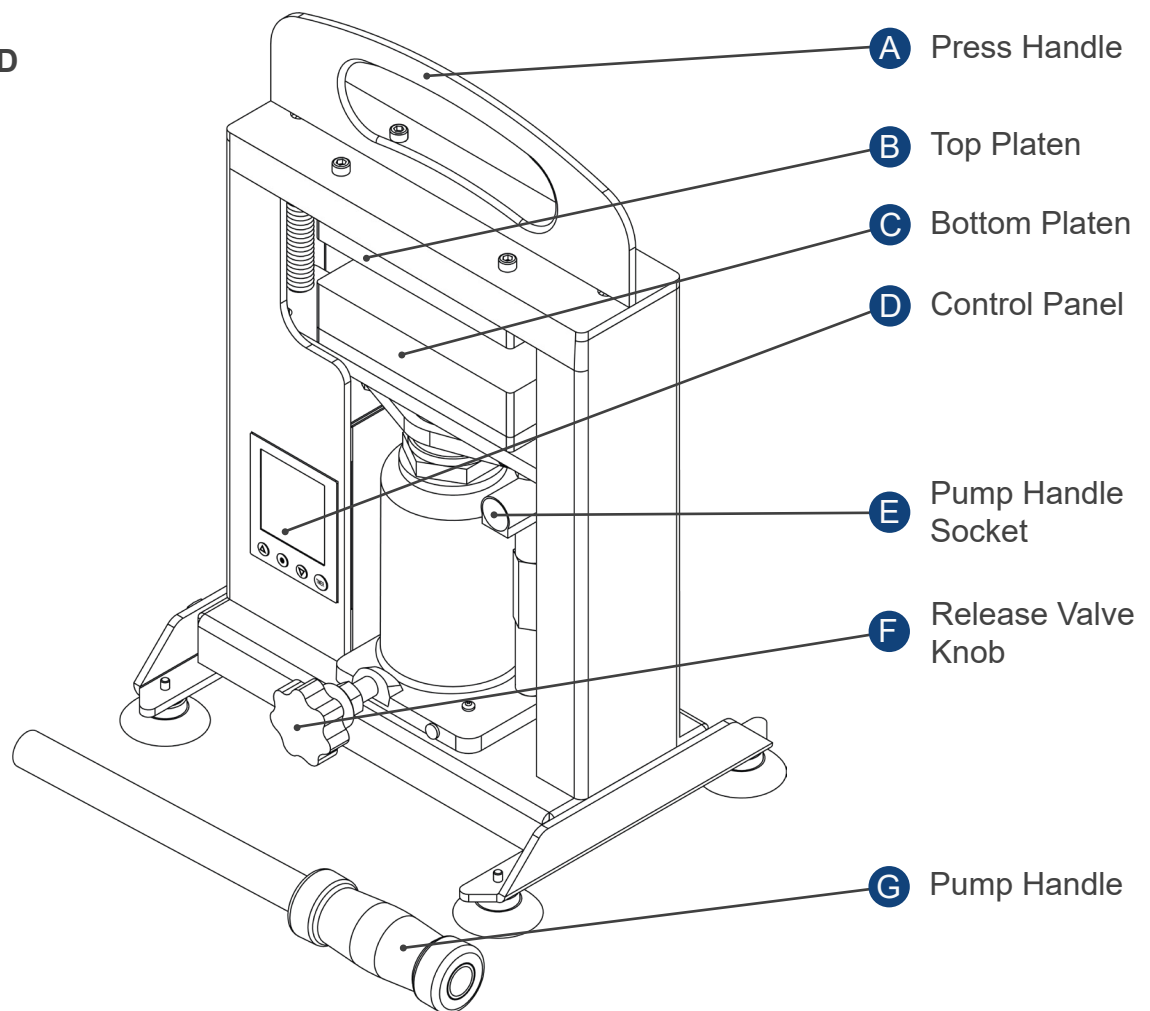
### PARTS

(continued)

Please see ROSIN PRESSING TIPS (PAGE 10) for more information.

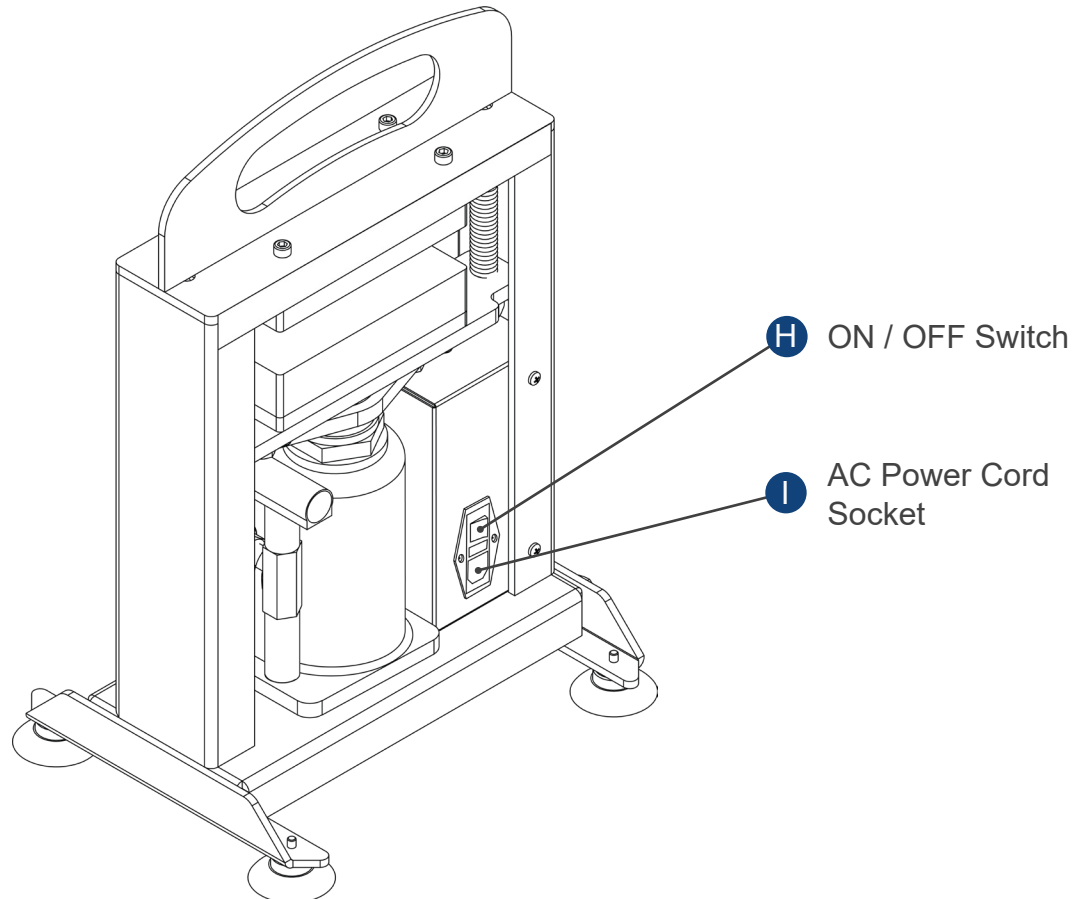
## GETTING FAMILIAR

### DHP5 PRESS FEATURES AND CONTROLS - FRONT



## GETTING FAMILIAR (continued)

### DHP5 PRESS FEATURES AND CONTROLS - BACK



## OPERATING INSTRUCTIONS

### PREPARING PRESS

1. Prepare materials you wish to press. See ROSIN PRESSING TIPS (PAGE 10).
2. Make sure the press stands on a flat sturdy countertop.
3. Ensure the press is clean and free of residue or dust buildup.
4. Make sure all switches and controls are turned OFF.
5. Insert the included AC power cord into the AC power cord socket **I** and then plug the other end into an electrical outlet.
6. Turn the knob **F** clockwise until it is firmly closed to seal the release valve.
7. Insert the pump handle **G** into the pump handle socket **E**.



## OPERATING INSTRUCTIONS (continued)

### STARTING PRESS

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

### SETTING CONTROL PANEL

The control panel **D** is used to set temperature for the platens, timer, and Fahrenheit or Celsius preferences. Please follow the steps below to record the desired settings:

1. Press Set **⊙** button on the control panel (Fig. 1) to go to the temperature setting mode for the top platen.
2. Press Up **▲** or Down **▼** buttons to select the 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.

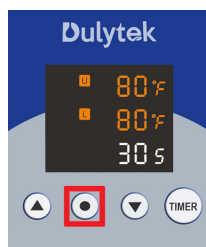


Fig. 1

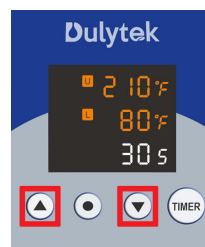


Fig. 2

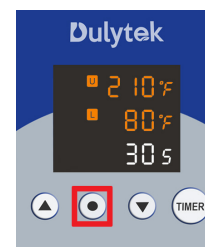


Fig. 3

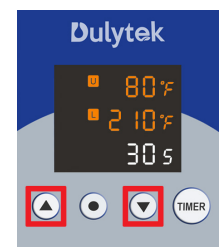


Fig. 4

4. Press Up **▲** or Down **▼** buttons to select the desired temperature (Fig. 4). 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).
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.

## OPERATING INSTRUCTIONS (continued)

### SETTING CONTROL PANEL (continued)

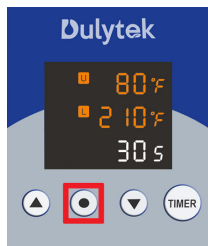


Fig. 5

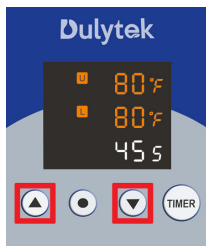


Fig. 6

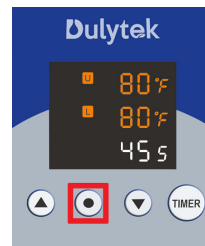


Fig. 7

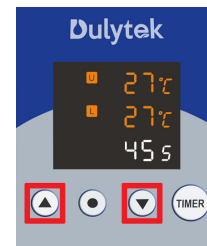


Fig. 8

9. Press Set (●) button once more (Fig. 9) to record all control panel's settings. The platens start heating, and the heating icons are now displayed on the screen (Fig. 10).

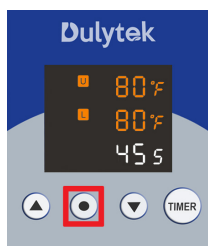


Fig. 9

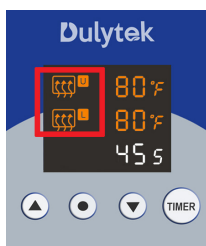


Fig. 10

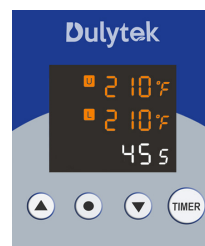


Fig. 11

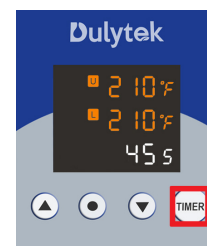


Fig. 12

### 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 the jack handle (G) to move the bottom platen (C) up. Continue pumping until the desired pressure is reached. Release the handle.
4. Press TIMER button on the control panel (D) 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. Turn the valve knob (F) counterclockwise to release the press and lower the bottom platen (C).
8. Remove the pressed material using heat resistant gloves or tools and exercising extreme caution.

## OPERATING INSTRUCTIONS (continued)

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- TURNING OFF PRESS**
1. Remove the pump handle **G** from the pump handle socket **E**.
  2. Turn the machine off by flipping ON / OFF switch **H** when done pressing.
  3. Unplug and then disconnect the AC power cord from the press.
  4. Wait until the press cools down completely to clean and store it.

- CLEANING PRESS PLATES**
1. Make sure the press plates are completely cooled down before cleaning.
  2. Apply a small amount of alcohol to a clean cloth and wipe down the plates until clean. Use rubbing alcohol that contains at least 80% by volume of isopropyl alcohol.
  3. Wipe plates with a dry clean cloth.
  4. Repeat these steps for cleaning all associated tools.

## ROSIN PRESSING TIPS

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**PLANT MATERIAL**

For the optimal yield and quality, select plant material that has been harvested within 2 to 6 weeks of pressing.

Maintain your plant relative humidity at around 62%. Store your herbs in an airtight containers with two-way humidity packs in a dark place. Allow at least 48 hours for the material to reach the optimal humidity level. Open the jars one or two times per day to air them for a few minutes before re-sealing.

Grind or break up your starting material and compact it into a puck using a pre-press mold.

Placing a puck into a filter bag is discretionary. Filter bags help to produce a high quality concentrate by removing plant contaminants from rosin. Pressing without a filter bag results in a higher yield and a lower quality product.

Don't try to put too much material inside the filter bag; doing so may cause filter bag blowout and reduce your yield.

Insert the puck into a filter bag if used and place it inside a folded parchment

## ROSIN PRESSING TIPS (continued)

### PLANT MATERIAL (continued)

paper sheet. Leave some space between the fold and the puck to avoid tearing the parchment paper during pressing.

### FILTER BAGS

Use nylon mesh bags instead of stainless steel or polyester ones. Stainless steel screens scratch press plates and cut yields. Polyester bags shrink with heat and cause blowouts. Nylon screens are durable and expand up to 40% without breaking making it a better choice for solventless extraction.

Filter bags are one-time use only unless you double or triple press the same material.

Fine mesh filter bags are intended for finer materials such as kief, bubble hash, or dry sift.

Mesh Size, microns	Intended For
25, 36	For kief, bubble hash, or dry sift - results in good yield and excellent quality For high quality flower - results in good yield and quality
72, 90, 100	For kief, bubble hash, and dry sift - results in excellent yield and fairly good quality For flower and trim - results in pretty good balance between yield and quality
120, 160	For flower and trim - results in excellent yield and fairly good quality

### TEMPERATURE AND TIME

Cold pressing (pressed at 160 °F - 190 °F / 70 °C - 87 °C for 1 - 5 minutes) results in a malleable, batter consistency terpene-rich rosin but comes with a sacrifice in yield.

Hot pressing (pressed at 190 °F - 225 °F / 87 °C - 105 °C for 40 seconds to 3 minutes) produces a sappy or shatter-like rosin. The hotter you press, the higher yield you get. Anything over 225°F generally has a notable drop in

## ROSIN PRESSING TIPS (continued)

**TEMPERATURE** quality and terpenes.

**AND TIME**

**(continued)**

For better terpene preservation, press at 210 °F or below. For flower, start pressing at 200 °F / 93 °C for 85 - 125 seconds and evaluate from there.

Plant Material	Temperature	Time, seconds
Kief, hash, dry sift, trim	165 °F - 195 °F / 74 °C - 90 °C	60 - 130
Flower	190 °F - 225 °F / 87 °C - 105 °C	30 - 220

**COLLECTION  
METHODS**

Use a glass stamp to collect gooye rosin. Push the stamp down on the extracted concentrate; it will pick up the material. Then scrape rosin from the stamp with a clean stainless steel tool.

**MAKING  
BUDDER**

Constantly stir freshly pressed rosin with a warm dabbing tool until a creamy texture is achieved. Whipped rosin, also known as “budder”, is more malleable and easier to manage.

**MORE  
INFORMATION**

Please see our website and subscribe to our newsletter and Dulytek social media pages for more tips, innovations, industry news, and promotional discounts.

## 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	