

# HEAT PRESS

MODEL No: DHP20

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INSTRUCTION MANUAL

## CONTACT

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## INTRODUCTION

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DULYTEK DHP20 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

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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 DHP20 Heat Press; | 5. AC Power Cord;      |
| 2. Jack Handle;              | 6. Instruction Manual. |
| 3. Base Brackets x 2;        |                        |
| 4. Bracket Screws x 4;       |                        |

### RECOMMENDED PARTS

The following items are recommended for use with this machine:

1. Parchment paper sheets;
2. Filter bags;
3. Pre-press mold;
4. Humidity packs;
5. Collection tools, glass stamp, etc.

## UNPACKING (continued)

**RECOMMENDED** 6. DHP20 compatible DripTek stand (sold separately)

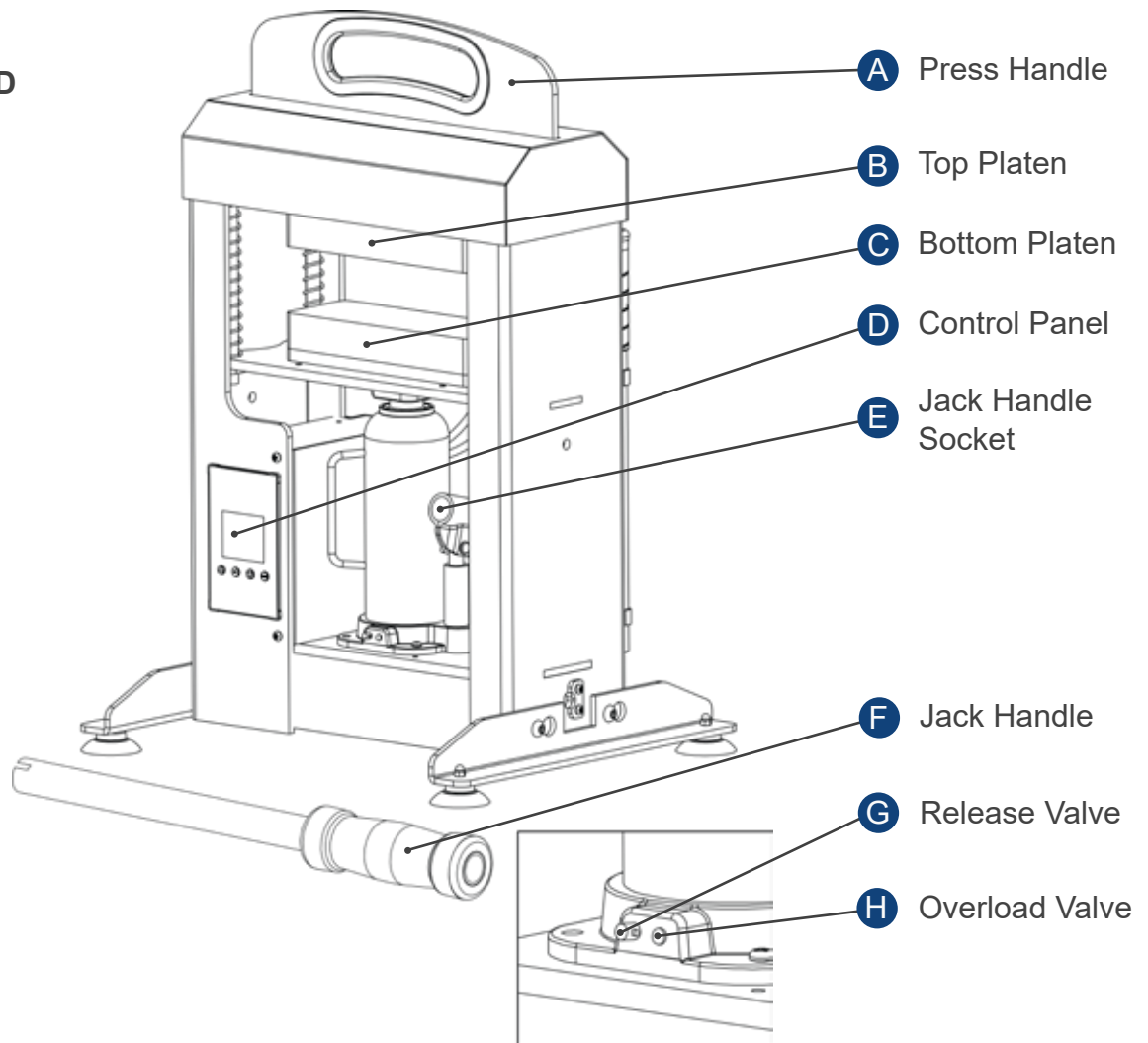
### PARTS

(continued)

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

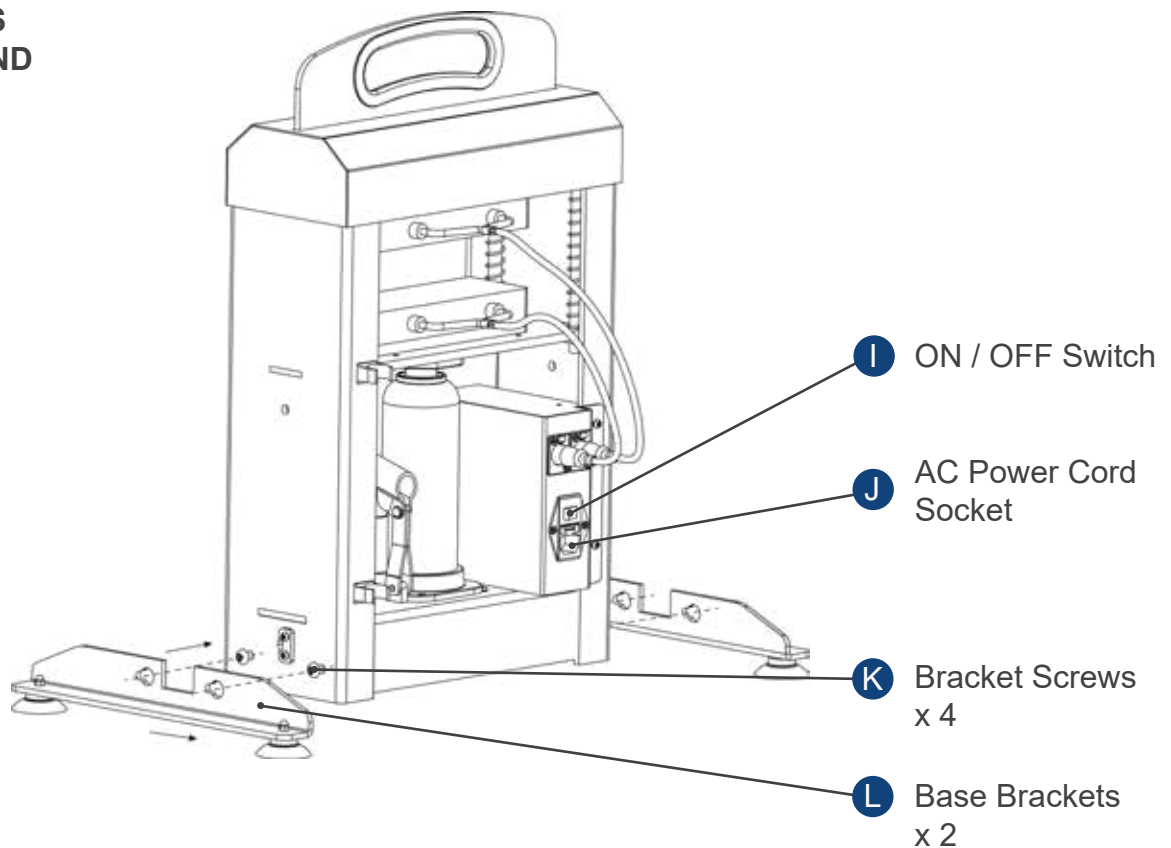
## GETTING FAMILIAR

### DHP20 PRESS FEATURES AND CONTROLS - FRONT



## GETTING FAMILIAR (continued)

### DHP20 PRESS FEATURES AND CONTROLS - BACK



## OPERATING INSTRUCTIONS

### OPERATING WARNING

DO NOT attempt to adjust the overload valve **H** 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](mailto:help@dulytek).

### PREPARING PRESS

1. Make sure the press stands on a flat sturdy countertop.
2. If not used with a separately sold Driptek stand, attach two (2) base



## OPERATING INSTRUCTIONS (continued)

### PREPARING PRESS (continued)

- brackets **L** to both sides of the press using four (4) bracket screws **K** as shown in the picture above. Slide the brackets to the front and tighten the screws.
- Prepare materials you wish to press. Please see PRESSING TIPS (<https://bit.ly/2YuM8pR>) for more information.
  - Ensure the press is clean and free of residue or dust buildup.
  - Make sure all switches and controls are turned OFF.
  - Insert the AC power cord into the AC power cord socket **J** and then plug the other end into an electrical outlet.
  - Place the slotted end of the jack handle **F** over the release valve **G** and turn it clockwise until the valve is tightly closed.
  - Remove the jack handle **F** from the release valve **G** and insert it into the jack handle socket **E**.

### STARTING PRESS

Flip the ON / OFF switch **I** to turn on the press. The control panel **D** and the power switch 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:

- Press Set **O** button on the control panel (Fig. 1) to go to the temperature setting mode for the top platen.
- Press Up **A** or Down **V** buttons to select the desired temperature (Fig. 2). The selected temperature is shown on the upper **U** line of the display.



Fig. 1



Fig. 2

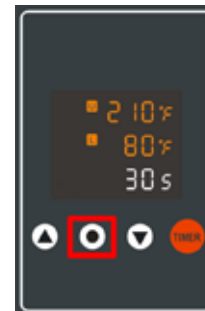


Fig. 3



Fig. 4

## OPERATING INSTRUCTIONS (continued)

### SETTING CONTROL PANEL (continued)

Tip: Enter the temperature either in °F or °C; you will be able to select the temperature scale later.

- Press Set (●) button again (Fig. 3) to go to the temperature setting mode for the bottom platen.
- 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.



Fig. 5



Fig. 6

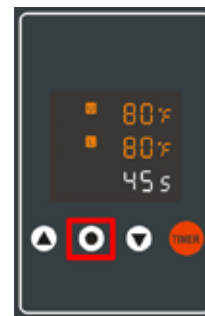


Fig. 7



Fig. 8

- Press Set (●) button again (Fig. 5) to go to the timer setting mode.
- Press Up (▲) or Down (▼) buttons to select the desired time in seconds (Fig. 6).
- 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).
- 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.



Fig. 9



Fig. 10



Fig. 11




Fig. 12

## OPERATING INSTRUCTIONS (continued)








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### SETTING CONTROL PANEL (continued)

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).


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### 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 .
3. Pump up and down the jack handle . The bottom platen  starts moving up. Continue pumping until the desired pressure between the platens is reached. Tip: Please note that, when the maximum allowed pressure (20 Ton) is reached, the lower platen stops moving further up, and no pressure can be increased even if you continue pumping the jack handle.
4. Press TIMER button on the control panel  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  over the release valve  and turn it counterclockwise. The press lowers down the platen .
8. Remove the pressed material using heat resistant gloves or other tools and exercising extreme caution.

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### TURNING OFF PRESS

1. Turn the machine off by flipping ON / OFF switch  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.

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### 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.

## TECHNICAL SPECIFICATIONS

| PARAMETER              | USA MARKET                          | EU MARKET |
|------------------------|-------------------------------------|-----------|
| Model                  | DHP20                               | DHP20-E   |
| Press Force            | 40000 lb / 20 Ton                   |           |
| Power                  | 825 W                               |           |
| Current                | 7.5 A                               | 3.75A     |
| Voltage                | 110 V                               | 220 V     |
| Frequency              | 50 / 60 Hz                          |           |
| Dual Heating Plates    | Yes                                 |           |
| Platen Size            | 3 x 8 inch / 76 x 203 mm            |           |
| Temperature Range      | up to 302 °F / 150 °C               |           |
| Timer Range            | 0 - 999 sec                         |           |
| Dimensions (assembled) | 18 x 12 x 24 inch / 46 x 31 x 61 cm |           |
| Weight                 | 100 lb / 45.5 kg                    |           |
| Package Dimensions     | 17 x 12 x 25 inch / 43 x 31 x 64 cm |           |
| Package Weight         | 110 lb / 50 kg                      |           |
| Certifications         | CE / RoHS                           |           |