

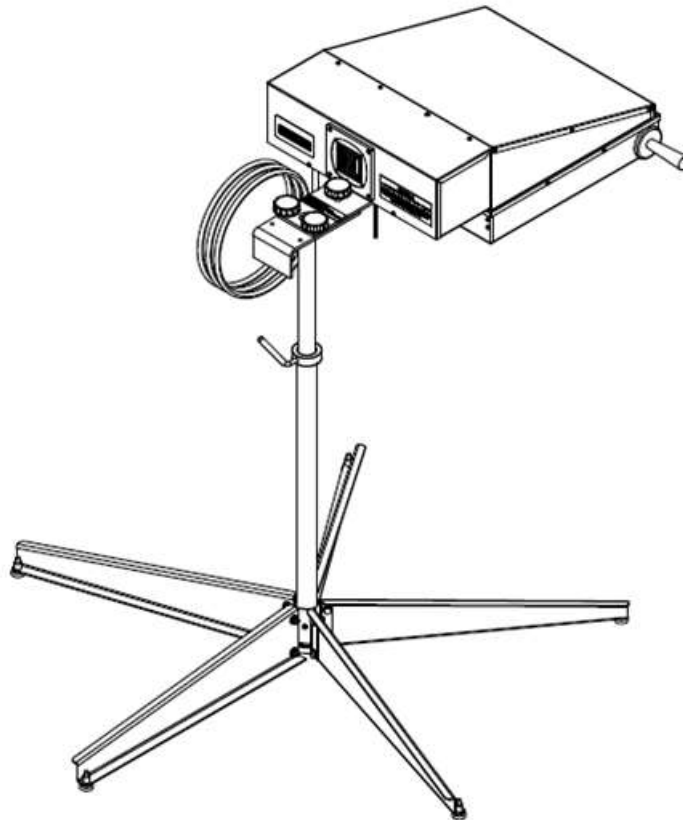


Owner's Manual

Air Flash

Flat Panel Infrared Flash Dryer

(Original Document)



IMPORTANT INSTRUCTIONS

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

This manual covers assembly, operation and troubleshooting.

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WARNINGS

The operator should familiarize themselves with this manual and all the **WARNINGS** before installing or working on this heater to avoid potentially hazardous conditions, severe property damage, personal injury, or death.

1. BBC Industries is interested in the safe operations of this equipment. All wiring to this equipment must be connected to the source in strict accordance with all local codes having jurisdiction.
2. A dedicated electrical (earth) ground is required for proper operation of the equipment.
3. This equipment is meant for the drying/curing of non-flammable Plastisol inks on textiles or the like. Use for any other purpose may cause fire, electric shock, or injury to persons.
4. This heater is for indoor, non-residential use.
5. Install unit in a location with adequate emergency exits.
6. The dryer has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.
7. Use the dryer in a well-ventilated space. Refer to the Safety Data Sheet (SDS) for any inks or dies that you are curing.
8. The area around this equipment should be designated as a work zone with only authorized personnel allowed in the work zone.
9. Keep the work zone clean and free of debris. A perimeter of at least 18 inches (.5 m) around the equipment is recommended.
10. Do Not use extension cords to power this equipment.
11. This equipment is hot when in use. To avoid burns, do not touch hot surfaces. Do not set objects on the unit.
12. Puncture of the heating element face may result in a shock hazard. Do not operate if heater face or power cord is damaged.
13. Do not operate the heater after it malfunctions. Disconnect power at service panel and have the dryer inspected by a qualified technician before reusing.
14. To disconnect the heater, turn off power and unplug the device.
15. When energizing the unit, be sure heater face is not within 3 ft. (1 m) of any combustible materials.
16. Do not leave the unit unintended while in use.
17. These units do not produce noise exceeding 70 dB(A).
18. Handle unit in a safe manner.

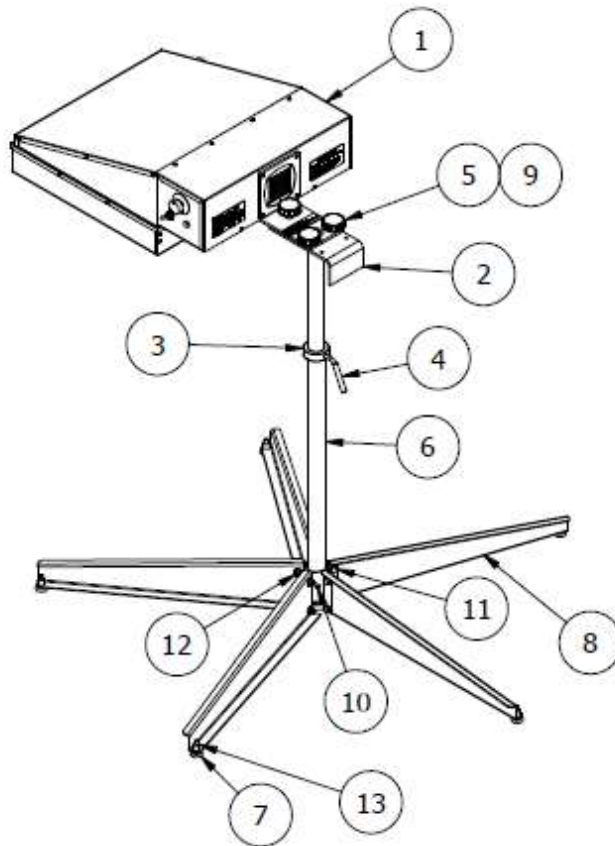
Assembly:

Tools required: (2) 1/2-inch wrenches, Phillips Screwdriver.

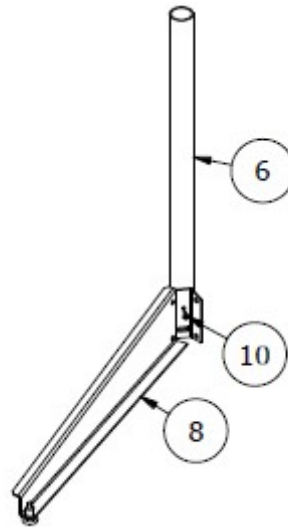
ENSURE ALL PARTS ARE ENCLOSED.

ITEM	QUANTITY	PART NUMBER	DESCRIPTION
1	1	AF2-4000-H*	AIR FLASH HEATER
2	1	97-011	UPPER TUBE ASSEMBLY
3	1	13-141	LARGE SHAFT COLLAR
4	1	97-184	BENT BOLT
5	2	93-022	KNOB
6	1	97-190	LOWER TUBE ASSEMBLY
7	5	90-580	LEVELING FEET
8	5	97-003	LEG 24 INCH
9	2	22-015	SMALL SHAFT COLLAR
10	3	25-243	SCREW #10-32 x 1/2
11	10	25-025	BOLT 5/16-18 x 3/4L
12	10	24-012	NUT 5/16-18
13	5	24-014	INSERT NUT (PREINSTALLED IN LEGS)

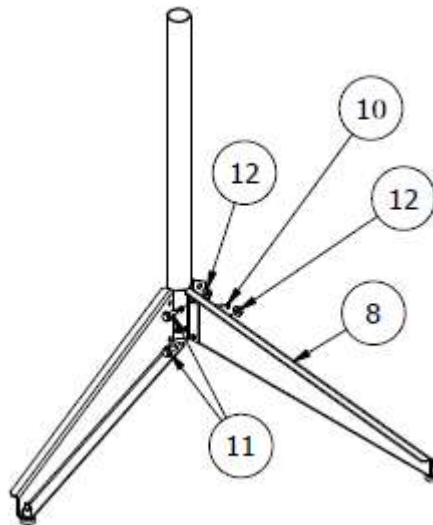
*AF2-4000-HJ is the 200 Volt Unit



1. Install the **LEVELING FEET (7)** into the **INSERT NUTS (13)** on the **LEGS (8)**.
2. Remove the three **SCREWS (10)** from the **LOWER TUBE ASSEMBLY (6)**.
3. Place one of the **LEGS (8)** on the **LOWER TUBE ASSEMBLY (6)** aligning the thru-hole with the hole from one of the removed **SCREWS (10)**. Reinsert the **SCREW (10)**.

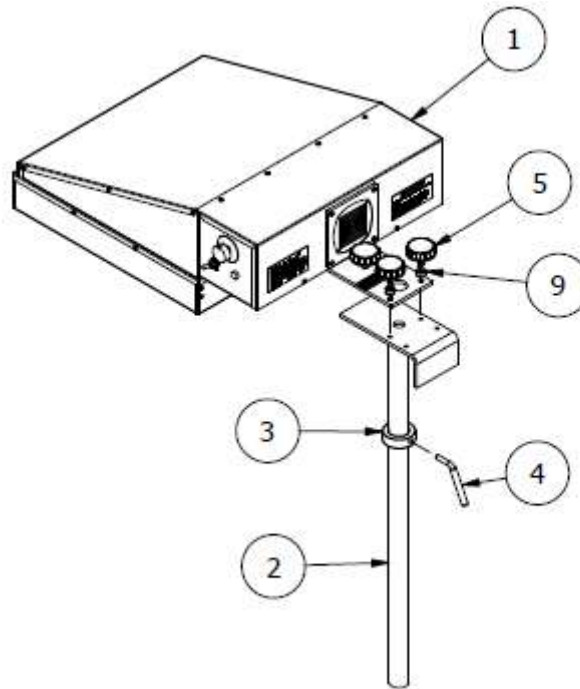


4. Place a **LEG (8)** next to the previous **LEG (8)**.
5. Attach the **LEG (8)** to the first **LEG (8)** using two **NUTS (12)** and **BOLTS (11)**. Reinsert one of the remaining **SCREWS (10)** into the **LOWER TUBE ASSEMBLY (6)**.



6. Using the remaining **LEGS (8)**, **NUTS (12)**, **BOLTS (11)**, and **SCREWS (10)**, attach the **LEGS (8)** to the **LOWER TUBE ASSEMBLY (6)**.

7. Install the **LARGE SHAFT COLLAR (3)** at least halfway up the **UPPER TUBE ASSEMBLY (2)**, securing it with the **BENT BOLT (4)**.
8. Install the two **SMALL SHAFT COLLARS (9)** onto the threaded portion of the two **KNOBS (5)**.
9. Attach the **AIR FLASH HEATER (1)** to the **UPPER TUBE ASSEMBLY (2)** using the two **KNOBS (5)** with **COLLARS (9)**.



10. Insert the **UPPER TUBE ASSEMBLY (2)** with the **AIR FLASH HEATER (1)** into the **LOWER TUBE ASSEMBLY (6)** with **LEGS (8)** attached until it rests on the **LARGE SHAFT COLLAR (3)**.
11. Use the three **KNOBS (5)** to level the **AIR FLASH HEATER (1)** so that it is parallel to your shirt platen.
12. Position the magnetic handle where convenient for rotating the heater.

Operation:

The intended use of the Air Flash is to *flash* cure inks on garments. Fully curing inks is also possible but not recommended. BBC Industries offers a full line of conveyor dryers for fully curing inks on garments.

After assembly, plug the unit in to a proper outlet with the proper circuit protection. Position the unit so that nothing is within 3 feet (1 m) under the heater surface. Turn the switch to the ON position and allow 5-10 minutes for the unit to heat up. The indicator light will illuminate when the heater is on. The heat output of the unit can be adjusted by adjusting the dial position of the built-in heat control. The airflow through the face of the heating element is not adjustable. Factors including the ink types and the substrate material will determine your most effective setting. It is recommended that two people adjust the height of the heater. DO NOT touch hot surfaces while attempting to adjust the height. For flash curing of plastisol inks, heat inks to about 180-200°F (82-105°C), or per the ink manufacturer's recommendations.

After usage is complete, switch off the unit and position the heater so that nothing is within at least 3 feet (1 m) under the heater face until the heater has cooled (10-15 minutes).

DO NOT LEAVE THE UNIT UNATTENDED WHILE HEATER IS HOT.

Troubleshooting:

If the unit is not operating properly, unplug the heater.

Contact BBC Technical Services:

800-654-4205

techservice@bbcind.com

