



Alpha DS Decanter Brewer Instructions

Models Included

- ◆ ALPHA-1DS
- ◆ ALPHA-2DS
- ◆ ALPHA-3DS
- ◆ ALPHA-3DSR
- ◆ ALPHA-3DSL
- ◆ ALPHA-5DSR
- ◆ ALPHA-5DSL
- ◆ ALPHA-5DS



WARNING HOT LIQUID.
Scalding may occur.
Avoid splashing.



CAUTION: Please use this setup procedure before attempting to use this brewer. Failure to follow the instructions can result in injury or the voiding of the warranty.



CAUTION: DO NOT connect this brewer to hot water. The inlet valve is not rated for hot water.



WARNING TO AVOID SCALDING. Do not remove brewcone while brew light is flashing.



ISO 9001 REGISTERED

WILBUR CURTIS COMPANY
Montebello, CA 90640

Important Safeguards/Conventions

This appliance is designed for commercial use. Any servicing other than cleaning and maintenance should be performed by an authorized Wilbur Curtis service center.

- Do NOT immerse the unit in water or any other liquid
- To reduce the risk of fire or electric shock, do NOT open top or rear panel. No user serviceable parts inside. Repair should be done only by authorized service personnel.
- Keep hands and other items away from hot parts of unit during operation.
- Never clean with scouring powders, bleach or harsh implements.

Conventions



WARNINGS – To help avoid personal injury



Important Notes/Cautions – from the factory



Sanitation Requirements

Your Curtis ADS System is Factory Pre-Set and Ready to Go... Right from the Carton.

Following are the Factory Settings for your ALPHA™ DS Coffee Brewing Systems:

- **Brew Temperature = 200°F**
- **Brew Volume = Set to dispensing vessel requirements (60 oz)**
- **Warmer Setting on HIGH with Quality Timer OFF**

Generally there will never be a reason to change your ADS programming. However, should you need to make slight adjustments to meet your brewing needs, programming instructions are provided later in this manual.

System Requirements:

- **Water Source** 20 – 90 PSI (Minimum Flow Rate of 1 GPM)
- **Electrical:** See attached schematic for standard model or visit www.wilburcurtis.com for your model.

Equipment to be installed to comply with applicable federal, state, or local plumbing/electrical codes having jurisdiction.

SETUP STEPS

The unit should be level (left to right and front to back), located on a solid counter top. Connect a water line from the water filter to the brewer. **NOTE:** Some type of water filtration device must be used to maintain a trouble-free operation. (In areas with extremely hard water, we suggest that a sedimentary and taste & odor filter be installed.) This will prolong the life of your brewing system and enhance coffee quality.



The National Sanitation Foundation requires the following water connection:

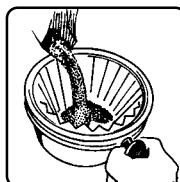
1. A quick disconnect or additional coiled tubing (at least 2x the depth of the unit) so that the machine can be moved for cleaning underneath.
2. In some areas an approved backflow prevention device may be required between the brewer and the water supply.

1. A 3/8" NPT x 1/4" Flare elbow has been supplied for water line connection. Use tubing sized sufficiently to provide a minimum of 1.0 GPM.
2. Connect the unit to an appropriate electrical power circuit.
3. Turn on the toggle (STANDBY/ON) switch behind the unit. The heating tank will start to fill. When the water level in the tank rises to the correct volume, the heating elements will energize automatically. With ADS Systems there is no danger of element burnout caused by an empty tank.
4. The heating tank will require 20 to 30 minutes to reach operating temperature (200°F) as indicated by the READY-TO-BREW indicator.
5. Prior to brewing, dispense 12 ounces of hot water through the hot water faucet.
6. Brew a cycle of at least 12 ounces, to purge the water lines of any air that may be trapped after filling.

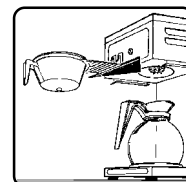
BREWING INSTRUCTIONS

1. Brewer should be ON (Confirm at rear toggle switch, then press ON/OFF button). Ready-to-Brew light should be ON.
2. Place empty DB-12 Decanter (not included) on warmer.
3. Place filter in Brewcone.

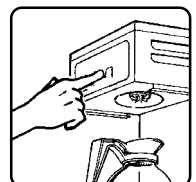
4. Pour ground coffee into brewcone.



5. Position brewcone into brew rails.



6. Press Brew button.



STEPS TO PROGRAMMING



WARNING These steps involve working with hot water. Scalding may occur if care is not taken against spilling.

PROGRAMMING ONLY REQUIRED IF FACTORY SETTINGS MUST BE CHANGED

Changing the ADS™ System Program



IMPORTANT – Before entering the program mode, allow the unit to reach brewing temperature, then press the BREW button to dispense at least 12 ounces of water. This is to clear any air that may be trapped within the water lines.

NOTE: For ALL functions you must first enter the programming mode.

Brew Temperature – Factory Pre-Set to 200°F

Function to set brew temperature, 170° to 204°F. Brew temperature will be indicated by READY-TO-BREW light blinking.

ENTERING THE PROGRAM MODE #1

- Turn OFF the power from the Control Panel by pressing .
- Press and HOLD and press and RELEASE .
- Continue HOLDING until starts blinking; RELEASE.

CONFIRM/RESET BREW TEMPERATURE - Factory Preset to 200°

ENTER THE PROGRAMMING MODE #1:

- Press for two seconds, then RELEASE.
- will start blinking. Each blink equals 2° F, starting at 170°.
- To change Temperature, press and HOLD .
- will start QUICK flashing. Each QUICK flash equals 2° F. After reaching 204°, temperature starts over at 170°.
- RELEASE when the desired temperature is reached.
- To set and exit, press .

BREW VOLUME - Factory Preset to Brewer Requirements

CHANGE BREW VOLUME

ENTER THE PROGRAMMING MODE #1

- Press and HOLD until hot water starts running from sprayhead; then RELEASE.
- When desired volume is reached, press again to stop flow.
- To set and exit, press .

BREW CYCLE COUNTER

ENTER THE PROGRAM MODE #2

- Turn OFF the power from the Control Panel by pressing .
- Press and HOLD and press and RELEASE .
- Continue HOLDING until STOPS blinking; RELEASE.

TO ACCESS BREW CYCLE COUNTER

ENTER THE PROGRAMMING MODE #2:

- will now start a pattern of LONG and SHORT blinks. This pattern identifies the number of brew cycles. SHORT blinks indicate the brew number from one [1] to nine [9]. LONG blinks separate the 1's, 10's, 1,000's and 10,000's.

LOW TEMPERATURE BREW LOCKOUT (DELTA) – Factory Preset to Delta 3

ENTER THE PROGRAM MODE #3

- Turn OFF the power from the Control Panel by pressing .
- Press and HOLD and press and RELEASE .
- Continue HOLDING until stops blinking and remains on; RELEASE.

ENTER THE PROGRAMMING MODE #3

This mode will give you a choice of minimum brew temperatures.

- **Delta 1** allows you to brew within 5 degrees from set temperature. This provides for consistent brew temperature and consistent water density. If Delta 1 is used, run one half decanter first, cancel and discard water. Enter program mode #1 and change brew volume to 1/2" below collar of decanter (one small finger width).
- **Delta 2** allows you to brew within 15 degrees from set temperature. If Delta 2 is used, run 1/2 of a decanter first, cancel and discard water. Enter program mode #1 and change brew volume to 3/4" below collar of decanter (between one and two small finger widths).
- **Delta 3** (this is factory setting) will allow you to brew at any temperature. Back to back brewing is only possible in this mode. If Delta 3 is used, run one half decanter first, cancel and discard water. Enter program mode #1 and change brew volume to 1" below collar of decanter (two small finger widths). The brew cone must be empty without a filter. This will ensure proper operation at all brew rates.
- Press and HOLD until gives off one quick flash, then release . You have now added a blink to your blining light pattern.
- By pressing and holding the again, you add another blink.

WARMERS

Adjusting the Temperature

ALPHA Warmers feature two temperature settings -- HIGH and LOW (unit must be ON at the control panel). From the Warmer ON position. Press and hold the warmer button for five seconds and the temperature will be set to LOW. LOW temperature is indicated by the "dimming" of the warmer indicator light above the Warmer Button. An additional press of the Warmer Button will turn the warmer OFF. To return the warmer to HIGH (warmer should be ON), press and hold the warmer button for five seconds then warmer will come on in the HIGH setting. When the system is turned off at the ON/OFF button, it will remember the last warmer setting. Additionally, the ALPHA automatically turns the brew warmer on when the BREW button is pressed.

Quality Timer – Factory Set to DISABLED

ALPHA Systems feature a Quality Timer which will cause the warmer light to blink advising you coffee should be replaced. The Quality Timer can be set from DISABLED (zero) to 50 minutes in 5 min intervals. To set, follow these instructions:

WARMER QUALITY TIMER

To Determine Warmer Setting and Change Time for ALPHA Systems:

- Press and HOLD until the indicator light turns ON then OFF; release.
- The light will start blinking. Count the blinks. Each blink = 5 minutes (maximum 50 minutes).
- At the end of the cycle, press and HOLD until the light begins quick flashing. The cycle will start over after 11 flashes (11 flashes is the DISABLED position).
- When the desired time is reached, RELEASE
- To set and exit, press .



NOTE: If Main Power is turned OFF or Rear Toggle Switch is switched to STANDBY, the Warmer Quality Timer must be re-programmed.

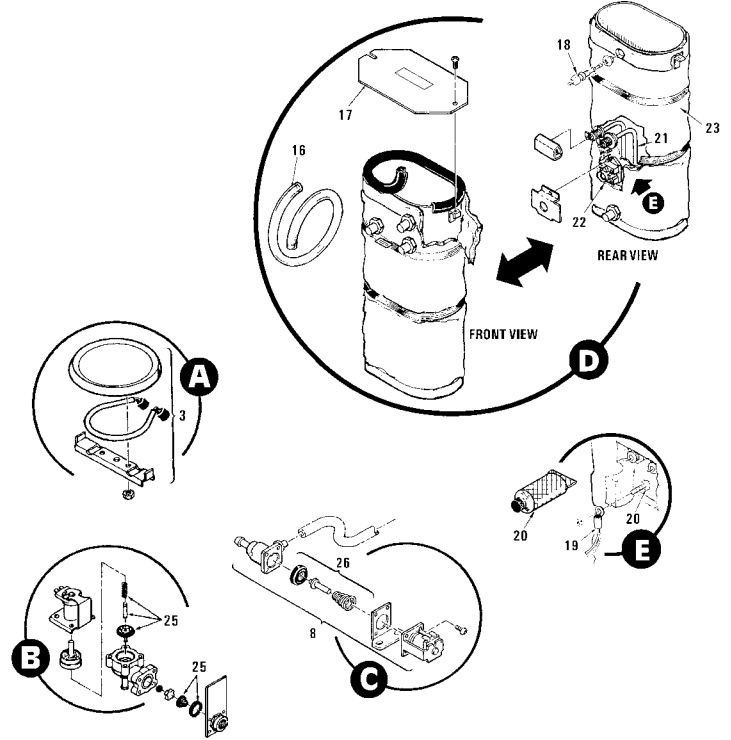
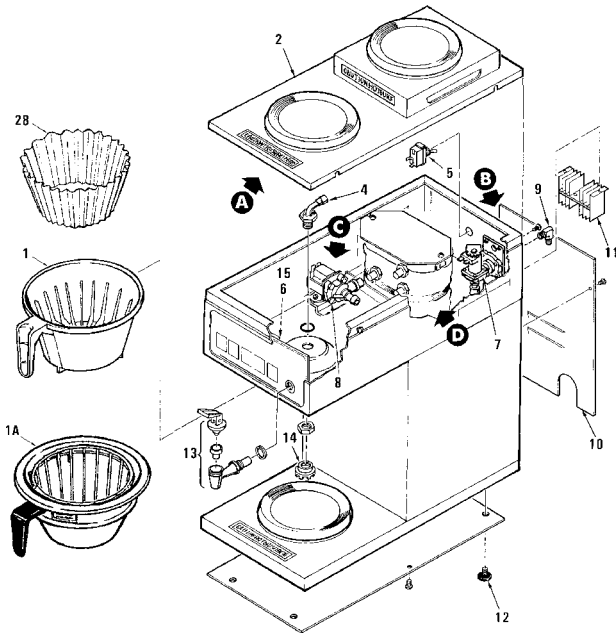
PROGRAM WARMERS

Unit must be ON at the control panel.

- Turn OFF the warmer at the the Control Panel by pressing one of the warmer switches: (Indicator light OFF).

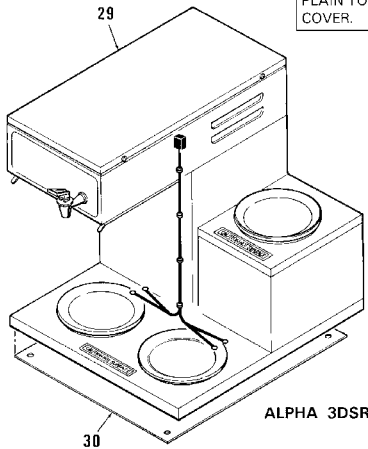
PARTS DIAGRAMS

Illustrated Parts List (Alpha 3DS Model Shown)



ALPHA 3DSR & ALPHA 3DSL

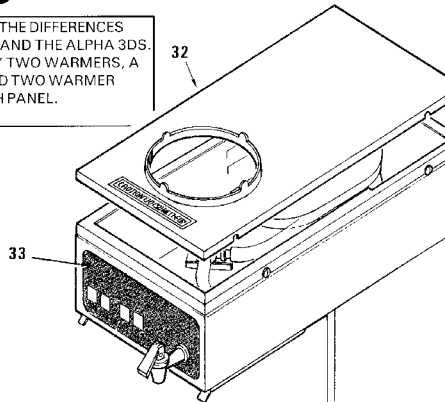
THIS FIGURE ILLUSTRATES THE DIFFERENCES BETWEEN THE ALPHA 3DSR OR ALPHA 3DSL AND THE ALPHA 3DS. THE ALPHA 3DSR AND ALPHA 3DSL HAVE A PLAIN TOP COVER AND A WIDE BOTTOM COVER.



ALPHA 3DSL

ALPHA 2DS

THIS FIGURE ILLUSTRATES THE DIFFERENCES BETWEEN THE ALPHA 2DS AND THE ALPHA 3DS. THE ALPHA 2DS HAS ONLY TWO WARMERS, A DIFFERENT TOP COVER AND TWO WARMER SWITCHES ON THE SWITCH PANEL.

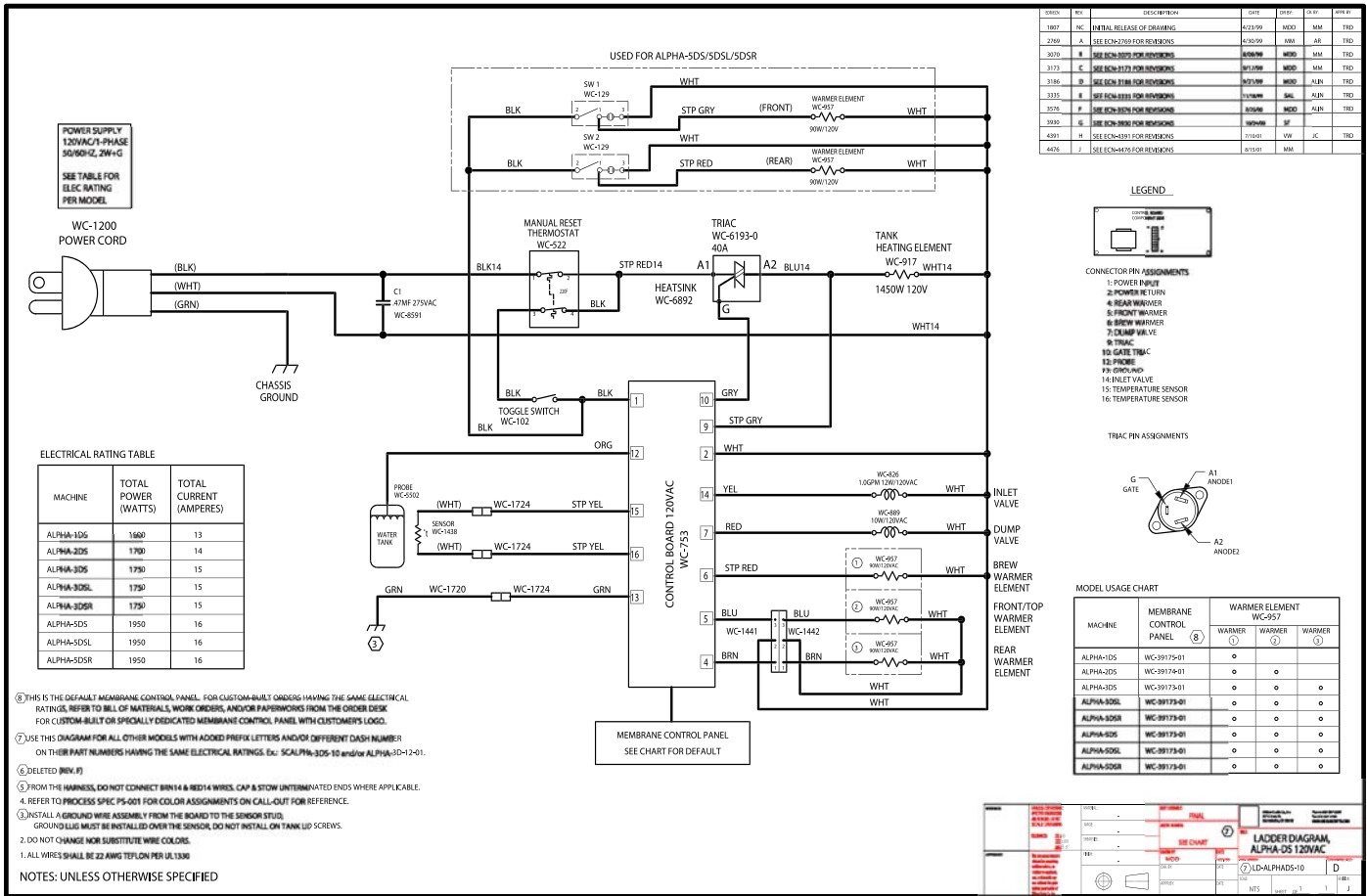


Item	Part No.	Description
1	WC-3621	BREWCOONE, 7 1/8" BLK
1A	WC-3316	BREWCOONE W/BASKET, COMPLETE OPTIONAL
2	WC-6812	TOP WARMER ASSY 120V (ALP-3DS/DD/5DSL/DD/DSR/10DD/DS)
2A	WC-8567	TOP WARMER ASSY 220V (ALP-3DS/DD/5DSL/DD/DSR/10DS)
3	WC-8578	WARMER ASSY, 120V ALPHA DD/DS
3A	WC-6218R	KIT, WARMER ASSY, 220V
4	WC-2977	FITTING, SPRAYHEAD PLT'D
5	WC-102	SWITCH, TOGGLE SPST 25A 125/250VAC RESISTIVE
5A	WC-103	SWITCH, TOGGLE DPST 25A 125/250VAC RESISTIVE
6	WC-8548	KIT, MEMBRANE PLATE & BOARD ASSY, 120/220V ALPHA 3/5DSL/R
6A	WC-8576	KIT, MEMBRANE PLATE & BOARD ASSY, 220V ALPHA 3/5DSL/R
7	WC-826	VALVE, INLET 1.0 GPM 120V
7A	WC-856	VALVE, INLET 1.0 GPM 220V
8	WC-889	VALVE, LIQUID DISPENSING LEFT 120VAC 12W 12 IN WC HWR
8A	WC-860	VALVE, LIQUID DISPENSING LEFT 220VAC 12W 12 IN WC HWR
9	WC-2401	ELBOW, 1/4 x 3/8 FLARE
10	WC-5970	COVER, BACK CTR WRAP ALPHA DS
11	WC-8556	HEAT SINK ASSEMBLY DV ALPHDS D500AP TCTD/PTTD
12	WC-8529	LEG, SCREW BUMPER (3/8")
13	WC-1809	FAUCET, HOT WATER
14	WC-2936	SPRAYHEAD, RED, .131 DIA
14A	WC-2942	SPRAYHEAD, GREY, .219 DIA
15	WC-753	CONTROL BOARD, ALPHA DS 120/220 STD
15A	WC-712	CONTROL BOARD, 220V STRAIGHT
16	WC-5310	TUBING, 5/16 ID SILICONE GEN USE
17	WC-5851	LID, HEATING TANK
18	WC-5502-01	PROBE, WATER LEVEL CONTROL
19	WC-1438	SENSOR, TEMPERATURE
20	WC-5231	COMPOUND, SILICONE 5 OZ TUBE
21	WC-917	HEATING ELEMENT, 1450W 120V
21A	WC-922	HEATING ELEMENT, 220V 3500W
22	WC-522	THERMOSTAT, RESET
23	WC-6266	HEATING TANK COMPLETE, 120V OR 220V
23A	WC-6265	HEATING TANK COMPLETE, 120/220V (DUAL VOLTAGE)
23B	WC-6267	HEATING TANK, COMPLETE, 220V
25	WC-3765	KIT, VALVE REPAIR (USE WITH WC-826, WATER INLET VALVE)
26	WC-3763	KIT, VALVE REPAIR (USE WITH WC-889, DUMP VALVE)
27	WC-8591	CAPACITOR, X2 USED ON ALL ADS
28	CR-10	FILTER PAPER, 12 CUP

ITEMS SPECIFIC TO ALPHA 1DS, 2DS, 3DSR, 3DSL, 5DSR & 5DSL

Item	Part No.	Description
29	WC-5450	COVER, TOP ALPHA 1DS, 3DSR & 3DSL
30	WC-58058	COVER, BOTTOM ALPHA 3DSR & 3DSL, 5DSR & 5DSL
32	WC-61107	COVER, TOP ALPHA 2DS
32A	WC-58019	TOP COVER ASSY, ALPHA 2DS
33	WC-8574	PIGGYBACK ASSY, ALP-2DS 120/220V
33A	WC-8575	PIGGYBACK ASSY, ALP-2DS 220V
34	WC-8572	PIGGYBACK ASSY, ALP-1DS 120/220V (NOT SHOWN)
34A	WC-8573	PIGGYBACK ASSY, ALP-1DS 220V (NOT SHOWN)
35	WC-129	SWITCH, WARMER RED ALPHA 5DS, 5DSL & 5DSL (NOT SHOWN)

ELECTRICAL SCHEMATIC



WARRANTY We hereby certify that the products manufactured by the Wilbur Curtis Company, Inc., are, to the best of our knowledge, free from all defects and faulty workmanship.

The following warranties and conditions are applicable:

- **90 Days for Labor and 1 Year Parts from Date of Purchase from Factory:** This warranty covers all electrical parts, fittings and tubing.
- **40 Months or 40,000 Pounds of Coffee on a set of Grinding Burrs. (ADS Grinders)**
- **2 Years from Date of Purchase:** This warranty covers electronic control boards and leaking or pitting of a stainless steel body of a Brewer or Um.
- **90 Days from Date of Purchase:** On replacement parts that have been installed on out of warranty equipment

All in-warranty service calls must have prior authorization from the manufacturer. For an RMA (Return Merchandise Authorization) number, call the Technical Service Department at 1-800-995-0417. The Wilbur Curtis Company will allow up to 100 miles, round trip, per in-warranty service call.

CONDITIONS & EXCEPTIONS

The warranty covers original equipment at time of purchase only. The Wilbur Curtis Company, Inc., assumes no responsibility for substitute replacement parts installed on Curtis equipment that have not been purchased from the Wilbur Curtis Company, Inc. The Wilbur Curtis Company will not accept any responsibility if the following conditions are not met. The warranty does not cover and is void under these circumstances:

- 1) Improper operation of equipment. The equipment must be used for its designed and intended purpose and function.
- 2) Improper installation of equipment. This equipment must be installed by a professional, certified technician and must comply with all local electrical, mechanical and plumbing codes.
- 3) Wilbur Curtis Company will not be responsible for the operation of equipment at other than the stated voltages on the serial plate.
- 4) Abuse or neglect (including failure to periodically clean or remove lime accumulations). Manufacturer is not responsible for variation in equipment operation due to excessive lime or local water conditions.
- 5) Replacement of items subject to normal use and wear. This shall include, but is not limited to, light bulbs, shear disks, "O" rings, gaskets, canister assemblies, whipper chambers and plates, mixing bowls, agitation assemblies and whipper propellers.
- 6) Any faults resulting from inadequate water supply. This includes, but is not limited to, excessive or low water pressure, and inadequate or fluctuating water flow rate.
- 7) All repairs and/or replacements are subject to our decision that the workmanship or parts were faulty and the defects showed up under normal use.
- 8) All labor shall be performed during regular working hours. Overtime charges are the responsibility of the owner.
- 9) Charges incurred by delays, waiting time, or operating restrictions that hinder the service technician's ability to perform service is the responsibility of the owner of the equipment. This includes institutional and correctional facilities.
- 10) All claims under this warranty must be submitted to the Wilbur Curtis Company Technical Service Department before return of the unit to the factory.
- 11) All equipment returned to us must be repackaged properly in the original carton. No units will be accepted if they are damaged in transit due to improper packaging.
- 12) Damaged in transit.
- 13) The resetting of safety thermostats and circuit breakers, programming and temperature adjustments are the responsibility of the equipment owner.

NO UNITS OR PARTS WILL BE ACCEPTED WITHOUT A RETURN MERCHANDISE AUTHORIZATION (RMA). RMA NUMBER MUST BE MARKED ON THE CARTON OR SHIPPING LABEL.

All in-warranty service calls must be performed by an authorized service center, where service is available. Call the factory for location near you.



WILBUR CURTIS CO., INC.

6913 Acco St., Montebello, CA 90640-5403 USA
Phone: 800/421-6150 ♦ Fax: 323-837-2410

♦ Technical Service Phone: 800/995-0417 (M-F 5:30A - 4:00P PST) ♦ E-Mail: techservice@wilburcurtis.com
♦ Web Site: www.wilburcurtis.com

FOR THE LATEST SPECIFICATION INFORMATION GO TO WWW.WILBURCURTIS.COM