CARE AND MAINTENANCE OF KREONITE SURFACES

DAILY MAINTENANCE

1. At the end of the day, drain and rinse sinks; wipe down processors with a wet cloth.

2. Wipe dirt and chemicals from control handles, spouts, indicators, and the backsplash surface with a damp cloth or paper towel.

WEEKLY MAINTENANCE

1. Clean sink with a mild non-abrasive detergent and flush thoroughly.

2. Thoroughly wipe down and dry KREONITE surfaces, plastic covers, and plated fittings.

MONTHLY MAINTENANCE

1. Use KREONITE Paste Cleaner (#KC16) to remove stubborn dirt and stains. It has a mild abrasive and is more effective than ordinary cleaners. DO NOT USE ABRASIVE COMMERCIAL CLEANSERS.

    A. Apply KREONITE Paste Cleaner to sink with damp cloth. Use sparingly and with very light pressure.

    B. Polish with dry cloth.

2. Chrome-plated fixtures are best cleaned with a commercial chrome cleaner.

3. Apply a fresh coat of KREONITE Silicone Wax (KSW8).

    A. Shake the wax container well before using.

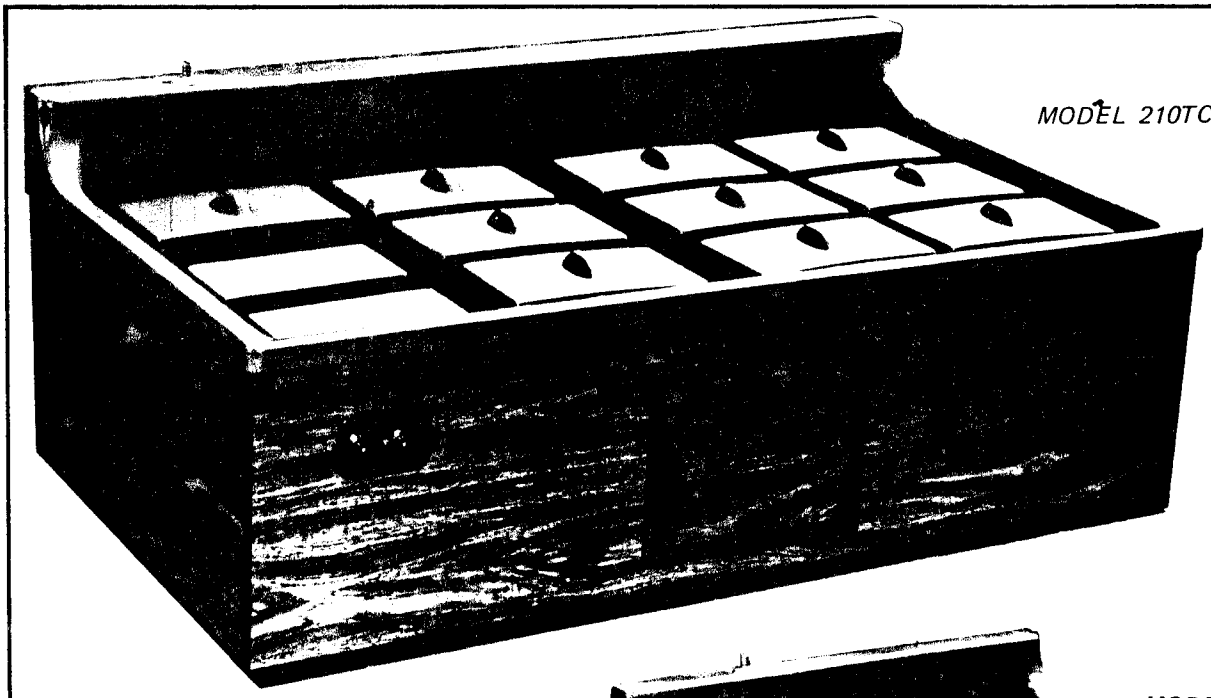
    B. Squirt onto dry cloth or apply directly to the sink and painted cabinet surfaces.

    C. Spread in a circular motion.

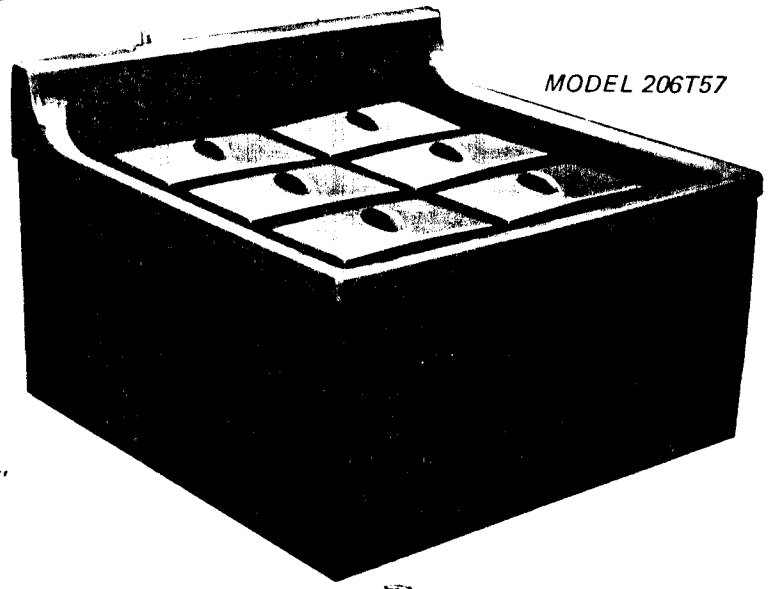
    D. Allow to dry, then polish with a clean, dry cloth.

200 SERIES TABLETOP
MANUAL PROCESSORS

INSTALLATION & OPERATION



MODEL 210TC57



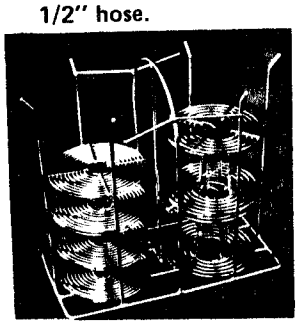
MODEL 206T57

OPTIONAL EQUIPMENT:

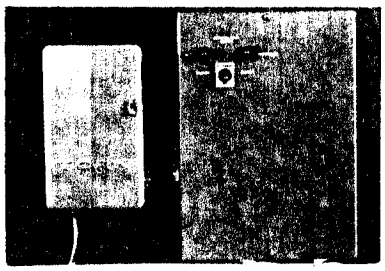
A. REEL RACK

B. QUALITY CONTROL PANELS:

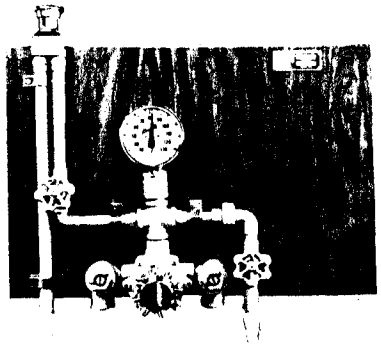
1. Burst Agitation Control Panel with timer, 3/8" hose & "carry-along" burst grid (KG111).
2. "APWP-T" Water Control Panel with Temp. Blender, vacuum breaker, clean-up spigot & 1/2" hose.



"RR57" REEL RACK



BURST AGITATION CONTROL PANEL



"APWP-T" WATER CONTROL PANEL

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

KREONITE, INC. 715 E. 10TH STREET P.O. BOX 2099 WICHITA, KANSAS 67201

200 SERIES TABLETOP MANUAL PROCESSORS

DESCRIPTION

Models 206T57 and 210TC57 processors are designed for manually processing color film sheets in hangers up to 5 x 7 or film rolls in 110, 120 or 135 size in reel racks. Tanks are suspended in an air-tempered, insulated cabinet through a one-piece molded tank deck (of Kreonite corrosion-resistant material) with backsplash and utility ledge.

Both processors measure only 15½" (39,4 cm) high at front, 19¼" (48,9 cm) high to top of backsplash and 29" (73,7 cm) wide (front to back) - - and may be placed on any standard table or desk top.

*Restricted drain on Wash tanks
** Drain with shut-off valve

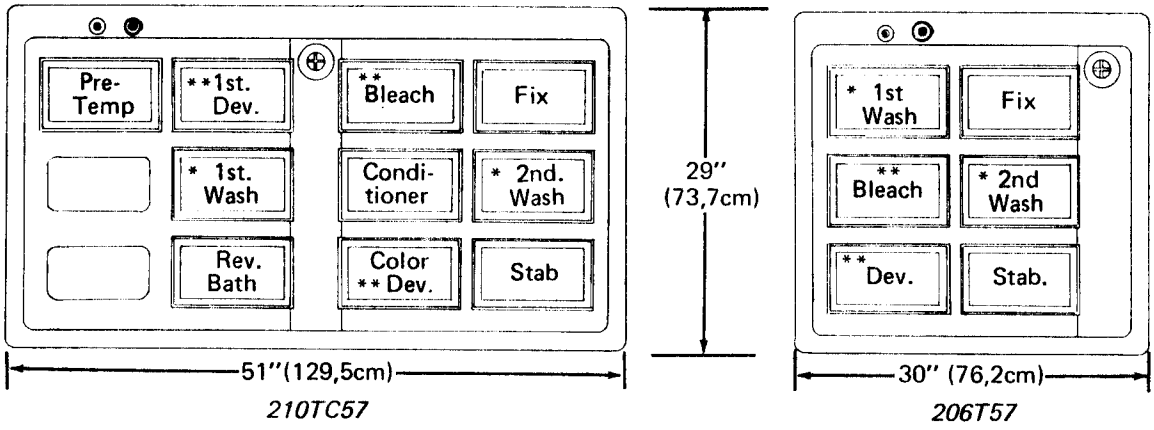


FIGURE 1 - DIMENSIONS & TANK CONFIGURATIONS

II - STANDARD EQUIPMENT

A. TANKS:

1. The 1-gallon (3,8 L.) capacity tanks accept 8 hangers up to 5 x 7 size. An optional rack for 110, 120 and 135 film reels is available. See Figure 1 for "TANK CONFIGURATIONS".
2. Each tank is equipped with a lite-tite lid, plus floating lids for developer tanks.
3. On Model 210TC57, a film-loading area and pre-tempering tank is provided in addition to the nine processing tanks. Pre-tempering is provided to pre-condition the film-loaded hangers and/or reels to the 100° F (37,8° C) process temperature before immersing them in the critical first developer, thus preventing a temperature drop normally caused by heat loss from the reels and hangers.
4. On both models, an air pump with separate switch is installed to provide aeration to the bleach tank.

B. TEMPERING EQUIPMENT:

1. An automatic heating unit holds temperature of all chemicals to required tolerance by means of tempered air within the cabinet (See Page 3, "AIR TEMPERING SYSTEM").

C. TURBO-WASH:

1. Thorough washing action is obtained by an adequate supply of tempered water delivered through turbo-tube in the bottom of each wash tank. A restricted drain in bottom of each wash tank allows for a constant change of fresh water and permits tanks to completely drain once water supply is shut off.
2. External tempered water supply is connected to a 1/2" hose fitting on top of backsplash.

CUSTOMER-FURNISHED EQUIPMENT:

1. Nitrogen and air bottles with controls, gauges and 3/8" refrigeration-type copper tubing to Burst Control Panel.
2. Grounded 120 VAC, 60 Hz, 1 Ø, 10 Amp. receptacle.
3. Grounded 120 VAC, 60 Hz, 1 Ø, 10 Amp. receptacle.
4. 1½" drain hose to open-floor drain with "P" trap.
5. 1/2" flexible hose from tempered water supply to the processor (if optional Water Control Panel is not used).
6. Dielectric unions if joining galvanized lines to copper.
7. Water Filters.
8. Shut-off Valves.
9. Table-top, desk-top or other suitable base.

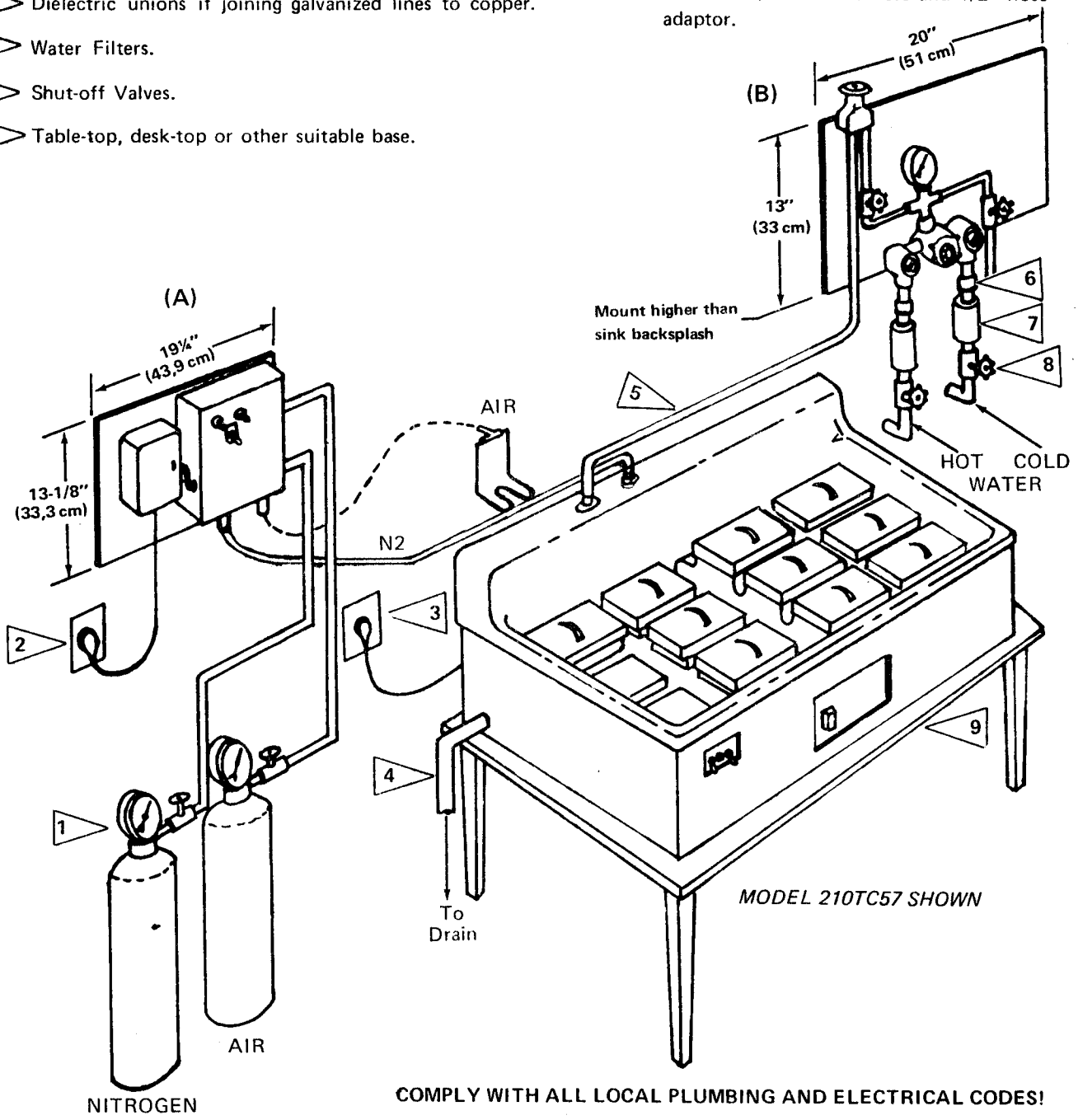
OPTIONAL EQUIPMENT:

A. BURST AGITATION CONTROL PANEL with:

1. Power cord and "U-blade" plug.
2. One "carry-along" air-burst grid.
3. 20 ft. of 3/8" flexible hose.

b. "APWP-T" WATER CONTROL PANEL with:

1. Temperature Blender, thermometer, two control valves (1 for clean-up hose) and vacuum breaker.
2. 20 ft. of 1/2" flexible hose and 1/2" hose adaptor.



COMPLY WITH ALL LOCAL PLUMBING AND ELECTRICAL CODES!

FIGURE 2 - TYPICAL INSTALLATION, 206T57 & 210TC57 PROCESSORS

IV - INSTALLATION

After processor is uncrated and properly located, the unit should be carefully leveled (front to back and side to side) before making external plumbing connections. Use a 9/16" open-end wrench at the foot of each leveling leg (beneath cabinet) or a ½" socket on top of each leg (inside cabinet).

A. PLUMBING:

CAUTION

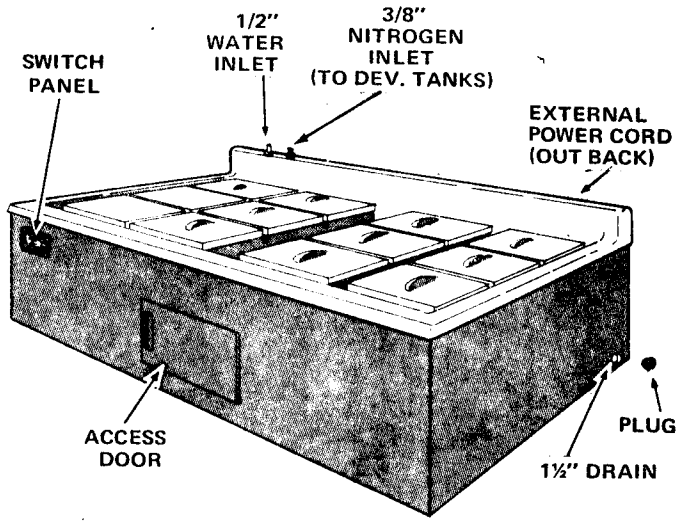
Before connecting any supply sources, be sure to comply with all local plumbing and electrical codes, and to purge all external plumbing supply lines.

1. Connect external drain to 1½" NPT drain manifold - either side on Model 210TC57 - - only on the left side of Model 206T57. Be sure opposite end of the drain manifold on 210TC57 is properly capped. Do NOT use pipe dope containing linseed oil. "Permatex No. 2" sealer is recommended.
2. Connect a flexible hose with clamps from the water supply to the 1/2" hose fitting on top of backsplash.
3. Connect a 3/8" flexible hose from nitrogen outlet on Burst Control Panel to hose adaptor on top of backsplash.

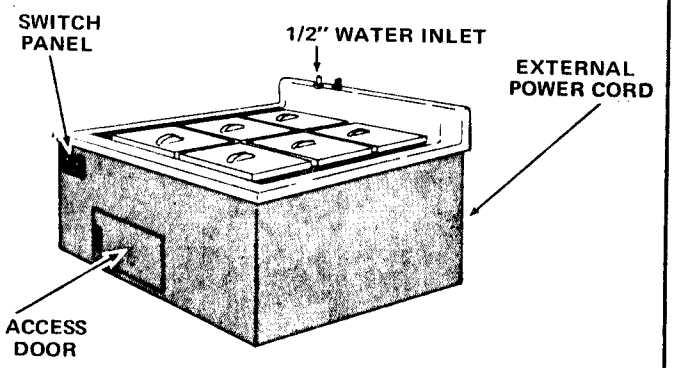
B. ELECTRICAL

The switch panel contains two "ON-OFF" switches and a 5-amp fuse. The left hand switch operates the air pump for bleach aeration; the right hand switch operates the air tempering unit.

1. With both switches "OFF", connect power cord from rear of processor to 120 Volt, 60 Hz, 10 Amp circuit.**
   a. Power cord is terminated in a U-blade plug for a grounded receptacle. If the receptacle to be used is not grounded, use a two-prong adaptor and connect the wire terminal from the adaptor to a permanent ground such as a cold water pipe. For safety and proper operation of electronic controls, the electrical power source must be grounded.



MODEL 210TC57



MODEL 206T57

FIGURE 3 - INSTALLATION

V - PRE-OPERATIONAL CHECK

A. PRESSURE TESTS

1. With "AIR" and "HEAT" switches "OFF", turn the external water supply on. Check all joints for leaks.
2. If optional Kreonite Quality Control Panels are used, see separate sections for installation, pre-operational checks and operations on both the "Burst Agitation Control Panel" and the "Water Control Panel".

B. AIR TEMPERING SYSTEM ADJUSTMENTS

1. See "Operating Temperature Check" on next page.

C. BLEACH AERATION PUMP

1. With bleach tank drain valve "CLOSED", fill tank with water, turn "AIR" switch "ON" and soap-test air fittings.
2. Check bubbling action of air in tank.

VI - OPERATION

Drain chemical tanks of water, thoroughly clean and refill with proper chemicals. Refer to sensitized goods manufacturer's instructions for chemical mixing, processing times, temperatures and agitation criteria.

** *Unit will operate on line voltage range from 110VAC to 126VAC.*

AIR-TEMPERING SYSTEM FOR TABLETOP MANUAL PROCESSORS

INTRODUCTION

The primary function of the Air-Tempering system is to heat liquids in tanks and maintain a constant temperature to a fraction of a degree by tempering the air surrounding the tanks inside the cabinet.

The unit consists of a 300 Watt cone heater, a fan, a "KTC" temperature control with sensing probe and an "ON-OFF" switch. The system is protected by a 5-amp fuse in addition to a temperature limit switch which cuts off power to the heater at approximately 180° F (82° C) and automatically resets at approximately 150° F (65,5° C).

THEORY OF OPERATION

The temperature probe installed in the 1st developer tank senses the temperature of the liquid in the tank and relays electrical impulses to the "KTC" temperature control unit.

The red light on the temperature control unit and the cone heater will be "ON" as long as the probe calls for heat. The probe calls for heat until liquid temperature reaches pre-set temperature on control unit.

As the liquid temperature begins to reach the pre-set temperature of control unit, the red light will "blink" or extinguish. The fan on one end of the unit draws the air through the barrel housing, across the cone heater, and distributes the tempered air throughout the enclosed area surrounding the tanks. With "HEAT" switch "ON", the fan operates continuously - even if "KTC" unit has shut off the cone heater.

OPERATING TEMPERATURE CHECK

1. With the first developer tank drain valve "CLOSED", fill tank with hot water (a little less than 100° F or 37,8° C) to the operating level.
2. Check to make sure fan is operating, then close cabinet door.
3. Allowing sufficient time for temperature stabilization, check the temperature of the liquid with an accurate mercury thermometer. Place the thermometer bulb as close to the tank probe as possible.
4. If liquid temperature differs from the desired control temperature, and the red light on control unit does not indicate corrective action, adjust the "FINE" control (using adjustment tool provided).
   a. If temperature is too high, rotate control slot a few degrees counter-clockwise until red light extinguishes.
   b. If temperature is too low, rotate control slot a few degrees clockwise until red light illuminates.

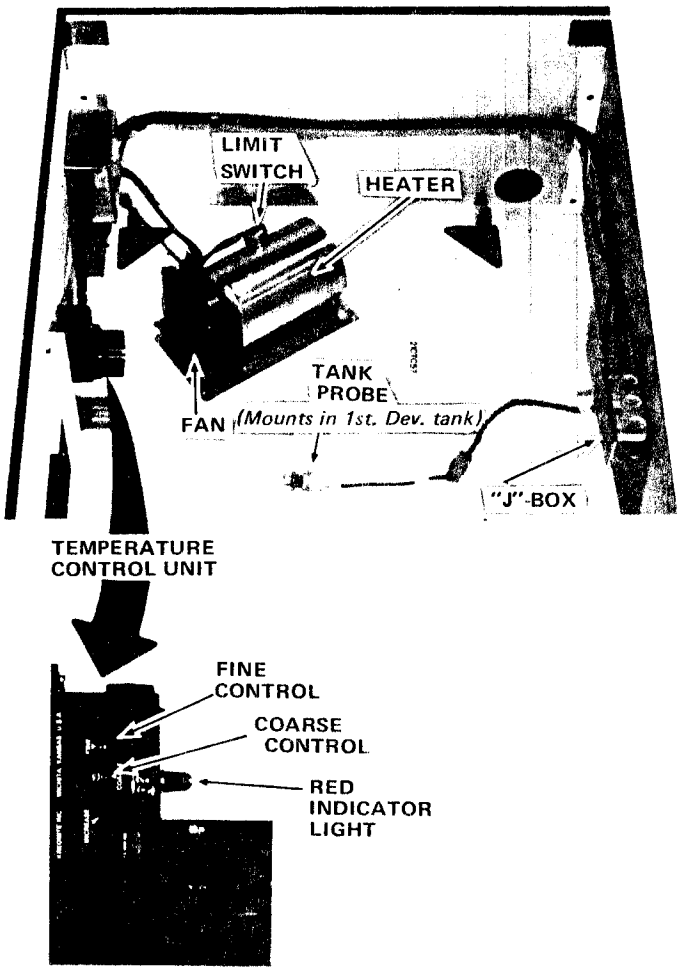


FIGURE 4 - AIR TEMPERING COMPONENTS

5. Re-close cabinet door and allow for temperature stabilization before checking liquid temperature in tank again.

NOTE

For adjustment beyond 5° F (2,7° C) range, use "COARSE" adjustment, then use the "FINE" adjustment for precise calibration.

NORMAL OPERATION

1. After initial temperature check, drain chemical tanks of water, thoroughly clean and refill with proper chemicals.
2. Check temperature at the start of each day's production run as outlined in "Operating Temperature Check" — except there should be no necessity to adjust "COARSE" control once initial check was accomplished properly— and any adjustment on "FINE" control should be only a very few degrees.

OPTIONAL QUALITY CONTROL PANELS FOR 200 SERIES TABLETOP PROCESSORS

INTRODUCTION

Two Quality Control Panels are furnished as optional equipment for 200 series of "Tabletop" manual processors: Burst Agitation Control Panel and Water Control Panel. Both panels are to be wall-mounted.

BURST AGITATION CONTROL PANEL consists of a Burst Timer, two Solenoid Valves and three Switches. The center switch (A.C. Power) must be "ON" to furnish either air burst or nitrogen burst. The two top switches (left-hand for air; right-hand for nitrogen) provide continuous burst when in the "UP" position, timed burst in conjunction with Burst Timer when in the "DOWN" position and "OFF" when centered.

"APWP-T" WATER CONTROL PANEL consists of a Temperature Blender with Thermometer, two Control Valves (1 is spigot for clean-up hose) and a vacuum breaker.

Panels should be wall-mounted generally at about eye-level and higher than the top of backsplash on processor.

BURST AGITATION CONTROL PANEL

A. INSTALLATION

Customer must furnish the source of dry nitrogen and oil–dirt–moisture–free air along with required pressure valves, guages and 3/8" refrigeration-type copper tubing.

1. After panel is wall-mounted, remove front cover retaining screws. Do NOT remove grounding screw near middle of panel! Hold removed panel so as not to place undue stress on connecting wires.
2. Connect 3/8" refrigeration-type copper tubing from nitrogen supply to the lower solenoid valve – and from the air supply to the upper solenoid valve.
3. Connect provided hoses from bottom hose fittings to their respective "carry-along" burst grids. The left-hand hose-to-grid furnishes nitrogen for the developer tank(s); the right-hand hose-to-grid furnishes air to any other chemical tanks.

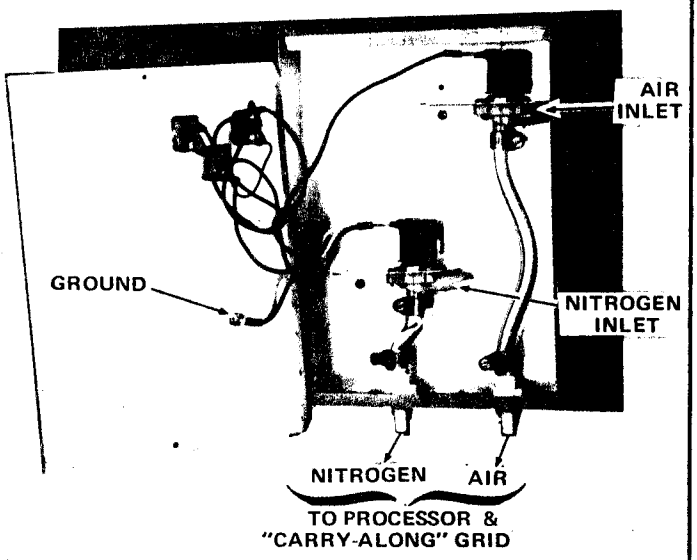


FIGURE 1 - INSTALLATION, BURST CONTROL PANEL

B. PRE–OPERATIONAL CHECK

1. With A.C. power "OFF" and power cord disconnected, open air and nitrogen supplies to approximately 30 PSI (2,11 kg/cm^2). Apply liquid soap or bubble-blowing solution to source connections and to solenoid valve inlet connections.
2. Connect the "U-blade" molded plug to a grounded receptacle. If receptacle is not grounded, use an adaptor and connect the wire terminal from the adaptor to a permanent ground such as a cold water pipe. For safety and proper operation of controls, electrical power source must be grounded.
3. With A.C. Power "ON" and burst switches on "Continuous", liquid soap-test joints from the solenoid valve outlets to the "carry-along" burst grids.
4. Shut off A.C. Power, burst switches and nitrogen and air supplies.
5. Replace front cover.

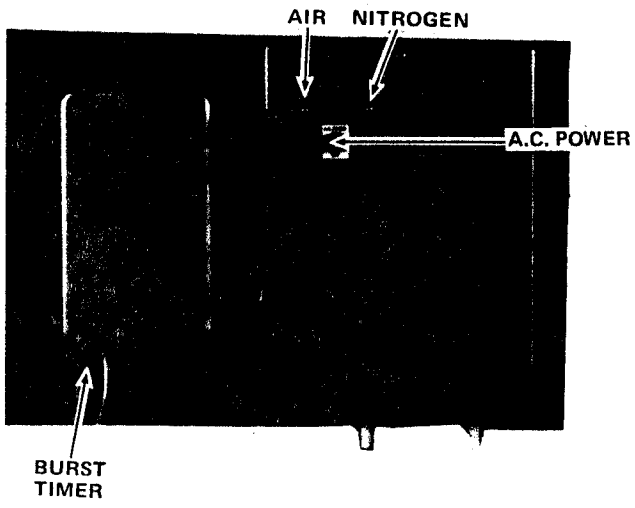


FIGURE 2 - BURST AGITATION CONTROLS

C. OPERATION

It may be necessary to experiment with duration, intervals and burst pressure in order to suit individual needs. Normal operating pressure should raise the solution level in tank approximately 5/8" (15 mm).* See recommendations of sensitized goods manufacturer as to duration, interval and pressure. The Burst Timer controls both duration and interval of gas bursts. For timed burst, set Burst Timer accordingly to meet those recommendations.

1. Each tab represents approximately 1 second. When a tab is tilted outward, power is "OFF" representing 1 second of an interval between bursts.

   For example; if two second bursts are desired for every 10-second intervals, tilt the following numbered tabs inward: 1 & 2, 13 & 14, 25 & 26, 37 & 38, 49 & 50 (all other tabs are tilted outward).

2. With nitrogen burst grid in a developer tank (or air burst grid in any other chemical tank), and gaseous supplies open, place A.C. Power switch "ON" and respective burst switch to timed burst ("DOWN"). This provides an intermittent burst pattern as determined by the burst timer settings.

3. For continuous burst, place the A.C. Power "ON" and the burst switches in the "UP" position.

* An average starting range for adjusting pressure should be approximately 5 to 8 PSI (.35 to .56 kg/cm^2).

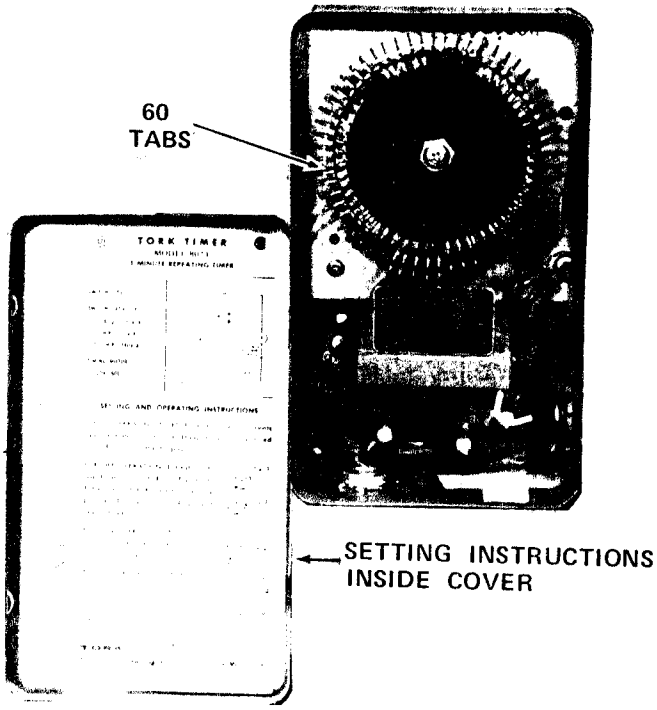


FIGURE 3 - BURST TIMER TAB SETTINGS

NOTE:

Be sure grids are level against bottom of tanks for proper operation.

"APWP-T" WATER CONTROL PANEL

A. PLUMBING SPECIFICATIONS:

1. WATER PRESSURE: 50 PSI (3,5 kg/cm^2) minimum.
2. WATER FLOW RATE: Minimum total 2 GPM (7,6 L per minute) - - Each wash may use approximately 1 GPM (3,8 L per minute) - - adjust as required.
3. WATER SUPPLY TEMPERATURE: HOT= Minimum of 120° F (49° C), COLD= Maximum of 70° F (21,1° C).

B. INSTALLATION:

NOTE:

- *Thoroughly flush all supply lines prior to connecting lines to equipment.*
- *Comply with all local plumbing codes.*

1. Mount panel on wall with bottom of panel at least 7" higher than top of backsplash of processor.
2. Connect hot water line to left hand 1/2" FPT inlet of blender and cold water to the right hand 1/2" FPT inlet. Use dielectric unions if connecting copper lines to galvanized lines.
   a. Water filter in both hot and cold water supply lines is highly recommended to protect equipment.
3. Connect a 1/2" tempered water line from outlet port of vacuum breaker to 1/2" hose fitting on top of processor's backsplash.
4. Attach a 1/2" hose to clean-up spigot.

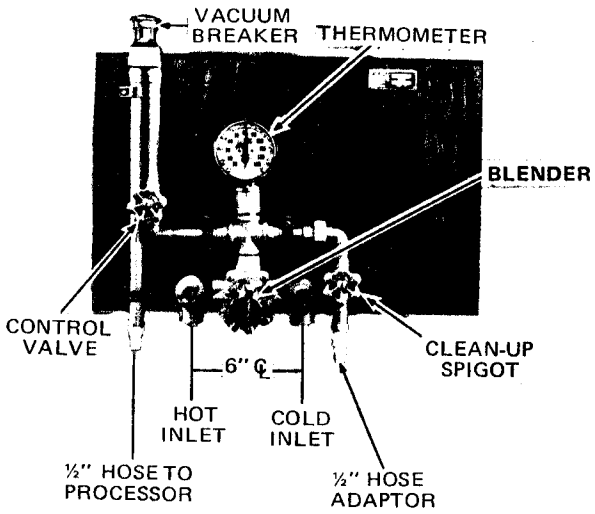


FIGURE 4 - "APWP-T" WATER PANEL

KREONITE

ASSEMBLY INSTRUCTIONS
KREONITE WOOD LAMINATED CABINETS

CRATING:

Kreonite cabinets are shipped in sturdy wood crates. One end of the crate is attached with screws for easy removal.

RECEIVING AND INSPECTION:

All cabinets are thoroughly inspected before leaving the factory. Kreonite, Inc., assumes no responsibility for cabinets damaged after they leave the factory, except as specified in the warranty.

Immediately upon receipt of unit, inspect crate(s) and exterior of unit for damage. If possible, inspect in the presence of the carrier. After the unit is removed from the crate(s), inspect for any hidden damage inside and out. If damage is apparent, file a claim with the CARRIER as soon as possible. Claims filed more than 15 days after delivery may be refused by the carrier.

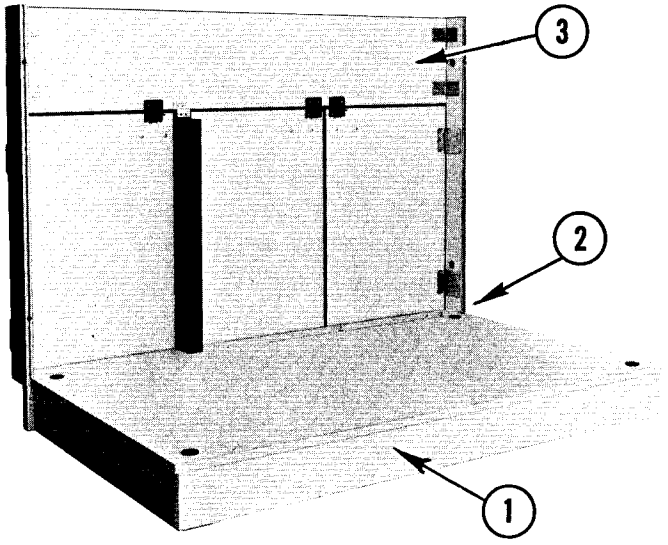
PARTS LIST

a. Cabinet base
b. End panels (Right and Left)
c. Back Panel
d. Front panel Assembly

HARDWARE LIST

a. 3/4" screws (corner braces)
b. 1-1/4" screws (base braces)
c. Box of ®tite-joint fasteners

ASSEMBLY



1. Set cabinet base on the floor near the desired position, making sure back of base (flush side) is placed against wall.

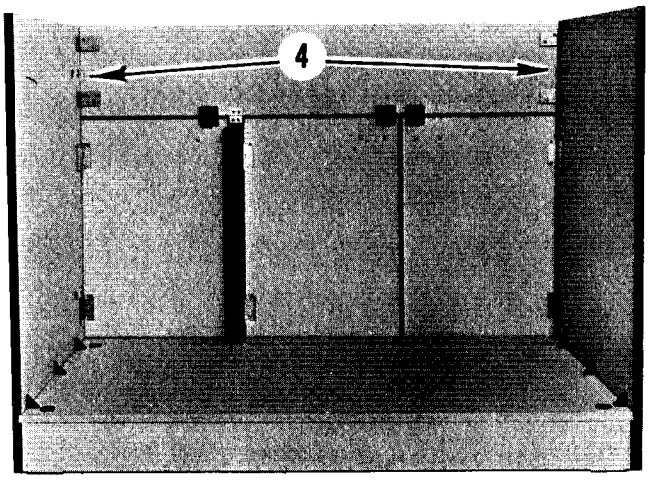
2. Level base by adjusting each leg with a 1/2" socket wrench. Leveling legs are located under black plugs at each corner of base (Cabinets 6' and over have leveling legs in the center).

3. Set front panel assembly on base with bottom ledge resting on base offset. Using 1-3/4" screws, attach front panel to base.

Kreonite® INC.
715 EAST 10TH STREET P. O. BOX 2099 WICHITA, KANSAS 67201 U.S.A. (316) 263-0151 TELEX 417346

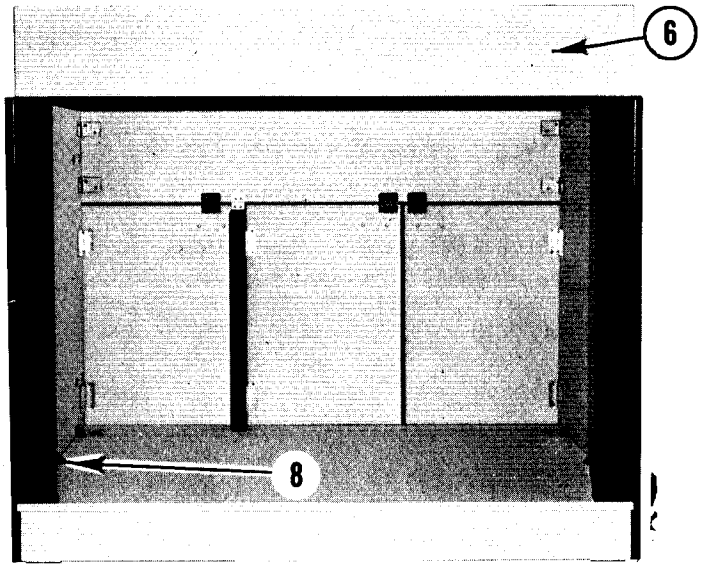
KREONITE

ASSEMBLY INSTRUCTIONS
KREONITE WOOD LAMINATED CABINETS



4. Place tite-joint fastener tightening nut assemblies in side panels and thread in the draw bolts until the threads are just inside the tightening nut assembly (see instructions on tite-joint fasteners).

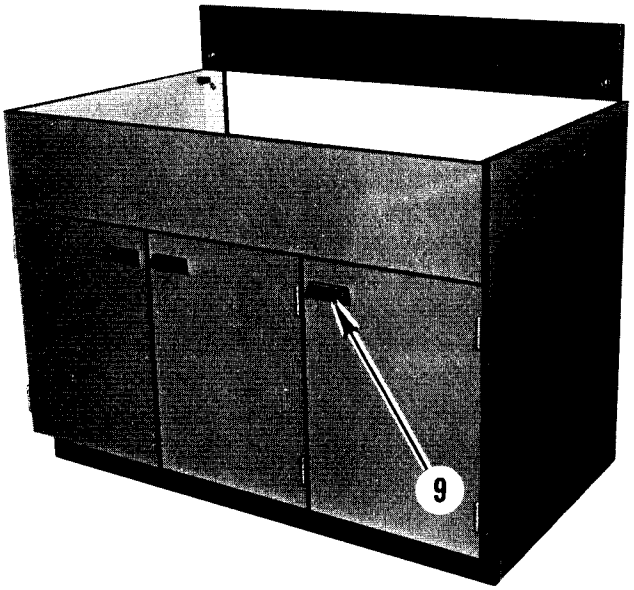
5. Set the side panel's groove in the base and slide into the protruding edge of the front panel. Slip the locking sleeves in place and draw the joint together, but do not tighten completely.



6. Attach the back panel to both side panels with tite-joint fasteners.

7. Complete the tite-joint assemblies by drawing all the joints tight. Don't force the joints if they seem to be in a bind, but back up the draw bolt and fit it properly.

8. The corner braces should now be in alignment with the pre-drilled holes. Secure the braces into place with the 3/4" screws.

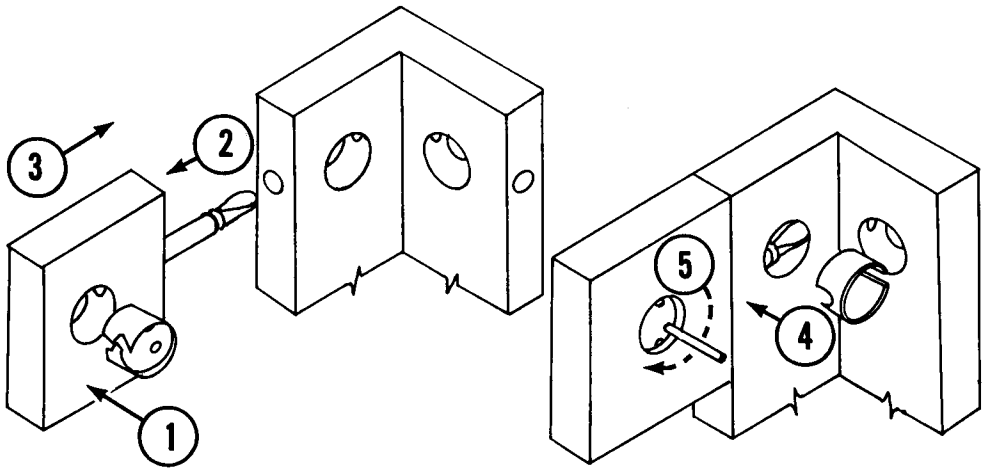


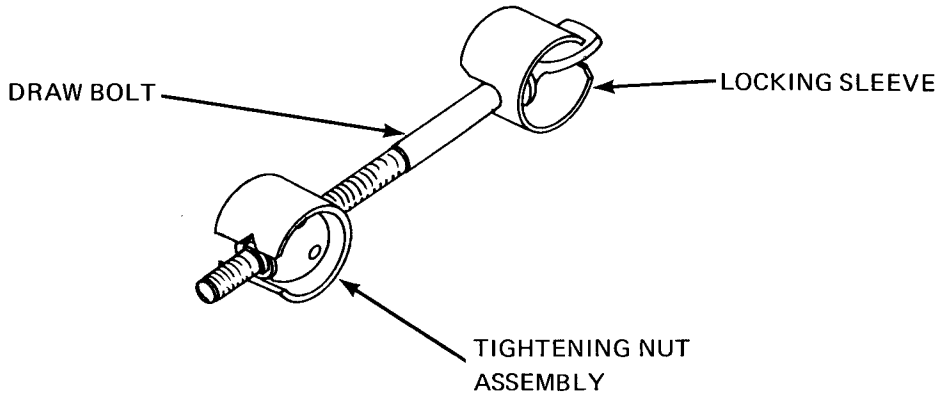
9. The door pulls are mounted inside of the doors for shipping, and to complete the assembly, merely mount them on the outside.

INSTRUCTIONS FOR USE OF ® TITE-JOINT FASTENERS

1. INSERT TIGHTENING NUT ASSY. IN PANEL
2. INSERT DRAW BOLT AND TURN CLOCKWISE UNTIL THREADS ENGAGE
3. USING DRAW BOLT AS A GUIDE, BRING LEG AND PANEL TOGETHER
4. LINE UP DRAW BOLT AND INSERT LOCKING SLEEVE
5. TIGHTEN NUT BY USE OF TIGHTENING TOOL OR NAIL SET (TURN NUT IN DIRECTION INDICATED TO TIGHTEN)

NOTE: BE SURE TIGHTENING NUT ASSY'S. ARE PLACED ONLY IN PANELS. IF PLACED IN LEGS SPACE LIMITATIONS HAMPER TIGHTENING OF NUT.





Kreonite INC.
715 EAST 10TH STREET P. O. BOX 2099 WICHITA, KANSAS 67201 U.S.A. (316) 263-0151 TELEX 417346

Litho U.S.A.

25859

KREONITE, INC. – QUALITY CONTROL

MODEL 320EBC #36 SERIAL NO. 405

PLUMBING BY GIBBS DATE 1-5 -78

LEAK TEST BY GIBBS

WIRING BY _____

INSPECTION BY _____

PRESSURE TEST, WATER _____ PSI

PRESSURE TEST, AIR/NITROGEN _____ PSI

4/69
95-0066

Kreonite® INC.

25859	320EBC-36 405	
WORK ORDER NO.	SINK or PROCESSOR	KREMISTOR TEMPERATURE CONTROL
9-5-78	320EBC 405	
DATE W.O.	REFRIGERATION UNIT	OTHER

Kreonite INC.

STANDARD PRODUCTS
WARRANTY REGISTRATION

COMPLETE THIS CARD AND MAIL TO FACTORY

DATE OF INSTALLATION _____

PURCHASER'S NAME _____ DEPT. _____

STREET ADDRESS _____

CITY _____ STATE _____ ZIP _____

INDIVIDUAL RESPONSIBLE _____ POSITION _____

DEALER _____ CITY & STATE _____

- INDUSTRIAL PHOTO ☐
- COMMERCIAL PHOTO ☐
- PORTRAIT STUDIO ☐
- NEWSPAPER ☐
- COMMERCIAL PRINTER ☐
- IN-PLANT PRINTER ☐
- FEDERAL GOVT. ☐
- OTHER ☐

NOTE: WARRANTY IS VALID ONLY IF THIS CARD IS FILLED IN AND RETURNED WITHIN 15 DAYS OF INSTALLATION DATE

95-0137 Litho U.S.A.

25859	320EBC-36 405	
WORK ORDER NO.	SINK or PROCESSOR	KREMISTOR TEMPERATURE CONTROL
9-5-78	320EBC 405	
DATE W. O.	REFRIGERATION UNIT	OTHER

Kreonite INC.

STANDARD PRODUCTS
WARRANTY

CUSTOMERS COPY - KEEP FOR REFERENCE

DATE OF INSTALLATION _____

The above listed Kreonite Products under normal use and care as specified, are warranted to the original purchaser for 90 days (except the Kreonite glass reinforced resin sinks and trays which are warranted for one year) from date of installation to be free of defects in material and factory workmanship, to the extent only that any defective part or assembly will be repaired or replaced subject to the terms listed below.

TERMS:

1. This warranty is valid only if:
   a. A "Warranty Registration" card is properly filled in and returned to Kreonite, Inc. within fifteen (15) days of installation;
   b. Defective parts are returned to the factory, transportation charges prepaid, accompanied by a properly filled-in "Material Return Tag" (see Warranty Service Instructions) and upon inspection is proved to be defective due to a fault in material or factory workmanship.
2. Parts repaired or replaced under the terms of this warranty are warranted for the unexpired portion of this warranty.
3. The remedy above provided is exclusive, Kreonite, Inc. assumes no responsibility for the labor cost involved in the removal of a defective part or installation of a new part, or any service charges; nor shall Kreonite be responsible for equipment damage or connections loosened after the equipment leaves the factory, except as specified above; nor shall Kreonite be liable for any loss, injury, or damage (direct, indirect, or inability to use the product).

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING IMPLIED WARRANTY OF MERCHANTABILITY.

KREONITE, INC. 715 EAST TENTH ST. BOX 2099 WICHITA, KANSAS 67201 (316) 263-0151

NEW PH... (316) 263-1111

PLACE
POSTAGE
HERE

Kreonite Inc.
Box 2099
Wichita, Kansas 67201

WARRANTY SERVICE INSTRUCTIONS

Evaluate the problem as best you can. If the problem is minor, you may save "downtime" if you can effect the necessary repairs yourself.

FREIGHT DAMAGE: is not covered by warranty.

a. Damage or loss incurred in transit is the responsibility of the carrier subject to his time limitations. He must be notified immediately. Notify your dealer if delivery was made through him, or notify the carrier if delivery was made direct to you from the factory. In either case, claim must be filed against carrier.

INSTALLATION DAMAGE: is not covered by warranty. All equipment is thoroughly tested before it leaves the factory.

b. Damage incurred during installation, or due to improper installation, or loose plumbing or electrical connections after installation are the responsibility of the installer.

c. Material defects or equipment malfunction due to factory workmanship, subject to the warranty and terms of warranty should be handled through your dealer.

In any case, where repair or replacement is necessary, notify the Kreonite dealer from whom equipment was purchased or the factory. Specify the model and serial number, date of installation, and the exact problem (how it is defective, or the symptoms of the malfunction). With the proper information, it may be ascertained whether factory repair, field repair or replacement is required. Replacement parts will be invoiced and credit will be issued if terms of warranty are adhered to. A "Material Return Tag" will be issued to you. Fill in the tag, attach to part or assembly, and ship prepaid to Kreonite, Inc., 715 E. 10th Street, Wichita, Kansas 67201.

WO:25859
320 ESC

OPERATING INSTRUCTIONS

Kreonite® INC.

PHOTOGRAPHIC AND GRAPHIC ARTS LABORATORY SYSTEMS AND EQUIPMENT
715 E. 10th St. P. O. Box 2099 WICHITA, KANSAS 67201 U.S.A. (316) 263-1111 TELEX 417 346

95-0217

Kreonite INC.
715 East Tenth St.
P. O. Box 2099
WICHITA, KANSAS 67201

WARRANTY REGISTRATION