

The "Safeguards" statement reproduced below is in accordance with Underwriters Laboratories "Standard for Safety, UL 122, Photographic Equipment".

## IMPORTANT SAFEGUARDS (C)

When using your photographic equipment, basic safety precautions should always be followed, including the following:

1. Read and understand all instructions.
2. Close supervision is necessary when any appliance is used by or near children. Do not leave appliance unattended while in use.
3. Care must be taken as burns can occur from touching hot parts.
4. Do not operate appliance with a damaged cord or if the appliance has been dropped or damaged - until it has been examined by a qualified serviceman.
5. Do not let cord hang over edge of table or counter or touch hot surfaces.
6. If an extension cord is necessary, a cord with a suitable current rating should be used. Cords rated for less amperage than the appliance may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
7. Always unplug appliance from electrical outlet when not in use. Never yank cord to pull plug from outlet. Grasp plug and pull to disconnect.
8. Let appliance cool completely before putting away. Loop cord loosely around appliance when storing.
9. To protect against electrical shock hazards, do not immerse this appliance in water or other liquids.
10. To avoid electric shock hazards, do not disassemble this appliance, but take it to a qualified serviceman when some service or repair work is required. Incorrect reassembly can cause electric shock hazard when the appliance is used subsequently.

## SAVE THESE INSTRUCTIONS

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## I. INTRODUCTION

Your Beseler-16 CP Auto Print Processor is designed to accommodate the most commonly available chemistries for both color and black and white prints. The machine is a compact table model designed and manufactured in accordance with the latest state of the art in photographic laboratory techniques, offering the user high-quality results with minimum effort.

Before installing and operating the machine, please read the instructions given in this manual carefully. You can expect perfect results only if the machine is correctly connected and carefully operated and maintained.

Beseler guarantees the Beseler-16 CP Auto Print Processor for six months from the date of delivery.

## II. TECHNICAL SPECIFICATIONS

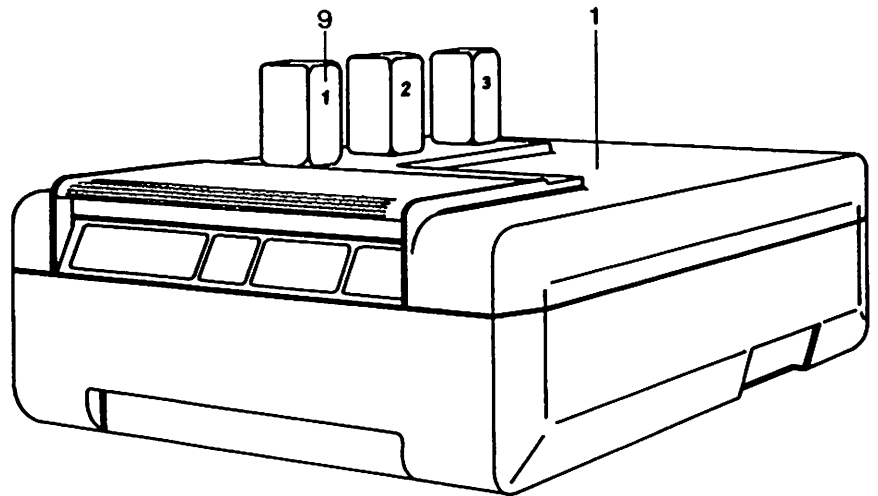
Print Sizes:	3 1/2" x 5" (8.9cm x 12.7cm) - 16" x 20" (40.6cm x 50.8cm).
Solution Capacities:	4 baths, 4 liters per bath
Temperature Range:	20.0° C to 49.9° (68.0°F to 121.8° F).
Temperature Accuracy:	± 0.2° C ( ± 0.5° F).
Warmup Rate - approx.:	0.5° C/min. (0.9° F/min.).
Speed Range:	5-55 cm/min. (2-22 in/min.).
Development Times:	25-300 seconds
Size:	978 x 648 x 318 mm (38 1/2" x 25 1/2" x 12 1/2").
Weight:	54 kg (120 lbs.).
Power Requirements:	117 V AC, 550 W, 60 Hz, 4.6 A, 8 ft. power cord.
Water connections:	6 ft. long input and output hoses.
Shipping Dimensions:	106 x 75 x 57 cm (41.73" x 29.53" x 22.44")
Shipping Weight:	62 kg (137 lbs)

### III. UNPACKING AND INSTALLATION

#### Unpacking

As stated on the carton, the carton should be retained for reuse should the machine have to be returned for repair.

Lift the machine out of the carton and place it in the desired position. Then lift off the cover (1) and take out the foam padding.



#### Choice of Location

Choose a convenient place in the darkroom to position your processor. It must be a sturdy table; your unit weighs approximately 156 lbs (71 kg) with solutions in all chambers. The power cord is 8 ft. (203 cm) long and the water hoses are 6 ft. (182 cm) long. In addition to the dimensions of the machine we suggest:

- A) 24" (61 cm) in front of machine for paper input.
- B) 27" (69 cm) in back of machine for tray to accept finished prints. Add 11 3/4" (30 cm) if optional dryer is attached.
- C) 8" (20 cm) on electrical side to permit connections.
- D) 8" (20 cm) on drain side to permit removal of solutions.
- E) 10" (25 cm) above top to allow insertion of chemical bottles.

The machine must now be precisely leveled by means of the adjustable feet. Place a spirit level first on the rollers on the feed and delivery sides for transverse leveling, and then on the left-hand edge of the case for longitudinal leveling.

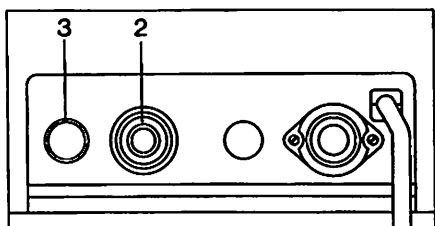
### III. UNPACKING AND INSTALLATION

#### Electrical Connection

The machine must be connected to a professionally installed earthed socket in accordance with the relevant code of practice.

#### Connection data\*:

Working voltage 117 V AC single-phase  
Power consumption 550 max., current rating 4.6 A max.  
(with optional Dryer 1300 W/10.9 A and Replenisher adds an additional 150 W/0.8 A) Frequency 60 Hz



\* Different values may apply to export machines:  
Always check details on specification plate.

#### Important note:

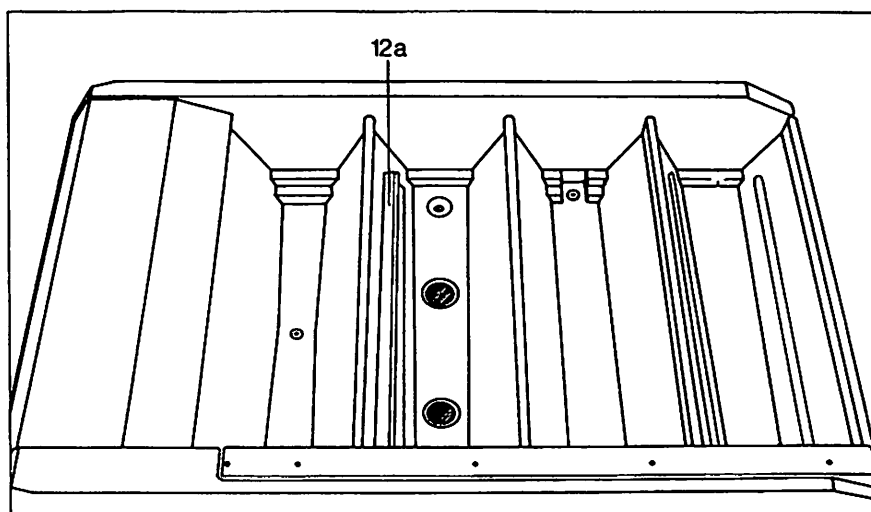
The machine must not be switched on without liquid in the solution chambers as the circulation pumps would be damaged by dry running.

#### Water outlet

Fit the discharge hose supplied (20 cm NB) to the outlet connection (3), secure with the hose clip and connect the other end to the local drain. Make sure the hose has sufficient fall for efficient drainage.

Screw the water inlet hose provided to the inlet connection (2) and connect the other end of the hose to the laboratory water supply.

Washing will be accomplished in chamber #4.



### III. UNPACKING AND INSTALLATION

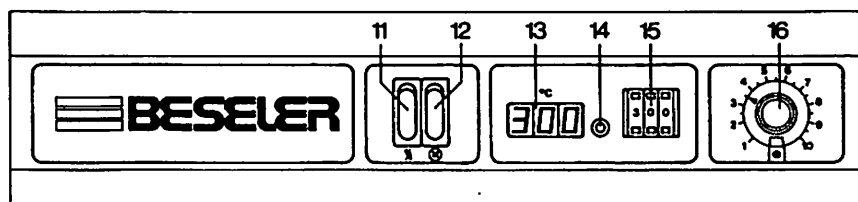
Temperature-controlled running water may be required for washing in accordance with the process instructions by the manufacturers of chemicals.

A good thermal mixing unit should be installed between the water source and the Beseler-16 CP Auto Print Processor if the process to be used has a narrow water temperature tolerance range.

If a water supply is not available or not convenient, it is not essential that the processor be connected. Under these conditions you must either connect the outlet (3) and inlet (2) connections together or plug both so that they do not leak. Fill bath 4 with water and change it as often as you would if it was stop bath. (Observe manufacturer recommendations for stop bath capacities). Wash prints thoroughly outside of machine.

Note: The discharge hose should always be connected.

### IV. CONTROLS AND INDICATORS



#### Control/Indicator

#### Function

- |                            |   |
|----------------------------|---|
| 11 Main Power Switch       | Temperature control of baths 1, 2 and 3; switches heater and circulation pumps.   |
| 12 Roller Transport Switch | Drive; switches motor for transport rollers.  |
| 13 Temperature Display     | Shows actual temperature in baths 1, 2 and 3 in degrees C and tenths; display of characters by light-emitting diodes; the LED display also monitors the feed: it goes out as a print passes through the first pair of rollers.  |
| 14 Light Sensor            | Automatically controls the intensity of the LED display according to room brightness.   |
| 15 Temperature Control     | For selection of required temperature in baths 1, 2 and 3, in degrees C and tenths; the controlled temperature is variable in tenths of a degree from 20° C to 49.9° C; accuracy $\pm 0.2^\circ \text{C}$ (68° F to 121.8° F $\pm 0.5^\circ \text{F}$ ).                      |
| 16 Speed Control           | For setting the transit speed. Continuously variable to give developing times of 25 to 300 sec. (corresponding to transit speeds of 5 to 55 cm/min or 2 to 22 in/min). Graduated by an arbitrary scale of numbers from 1 to 10. A safety lock prevents inadvertent resetting. |

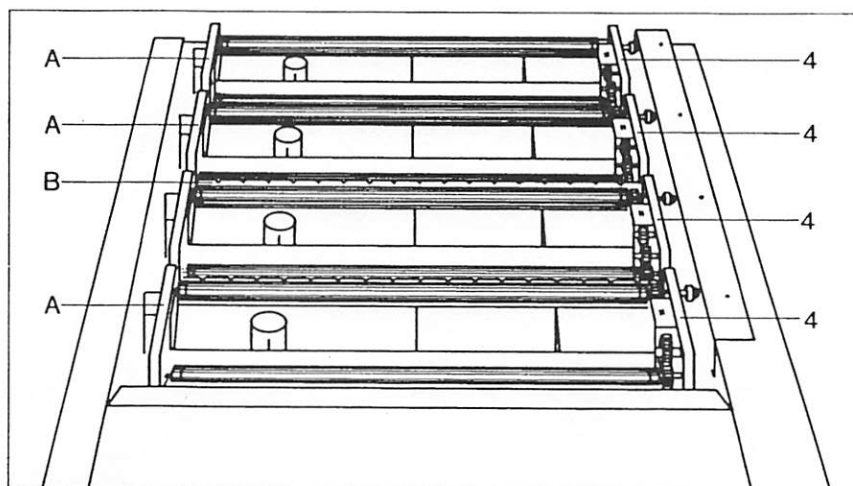
## V. PREPARATION

### Initial Cleaning

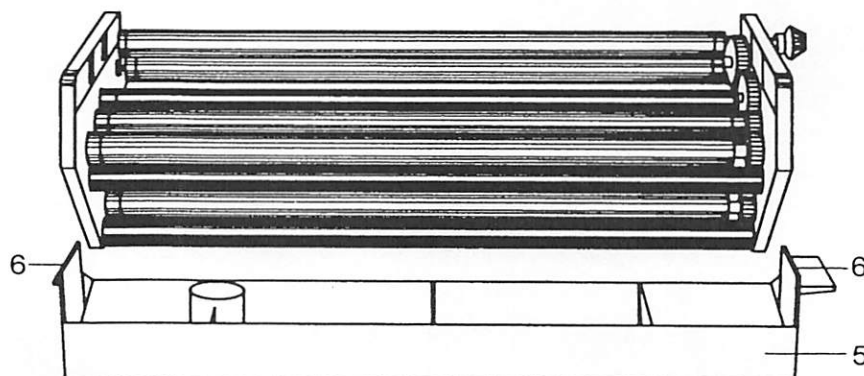
The machine must be thoroughly cleaned before being used for the first time. Proceed as follows:

1. Slightly raise all the transport racks (4) on side A and carefully remove them.

Note: Rack #2 must be removed by raising side B first.



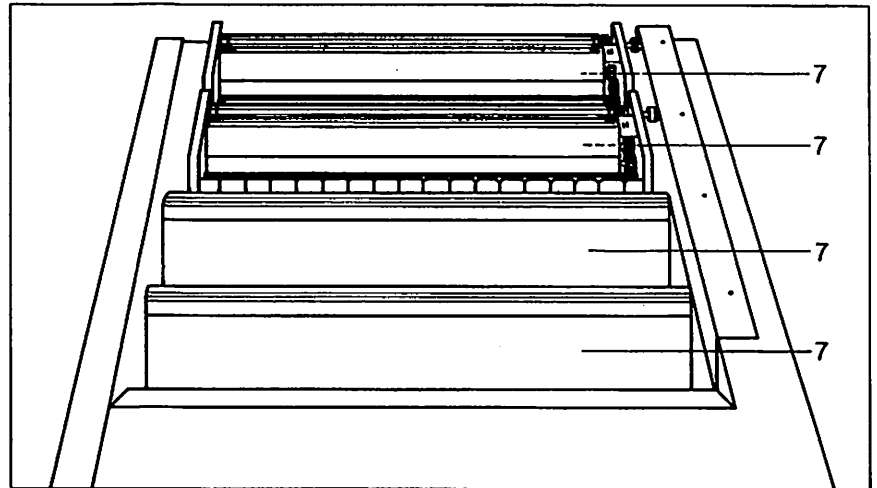
2. Remove the deflector guides (5) by pressing the two holding tabs (6) inwards at the same time.



3. The racks should be placed in a large tray and washed thoroughly in warm water with a wetting agent added. The rollers should be rubbed down with a lint-free cloth. Turn the rollers by hand to make sure you clean all surfaces. Finally, rinse the racks thoroughly in clean running water and refit the deflector guides; they are numbered to show their correct positions.

## V. PREPARATION

4. Thoroughly clean the solution chambers (7) also. Rub all surfaces down well, making sure that the plugs are fitted to the outlet hoses and that the hose valves are closed. These hoses are accommodated in the opening in the case on the right-hand side of the machine. Finally, fill the chambers with clean water, turn the processor on. Let it run for 30 minutes, then drain through the outlet hoses. Repeat this procedure two more times. This initial cleaning will assure you of good results afterwards.



5. Now place the clean racks in the appropriate solution chambers. They are numbered 1, 2, 3 and 4 and are not interchangeable. Make sure the bevel drive gears engage correctly.

### Filling the solution chambers

When filling the chambers with solutions, it is best to leave the racks in position. To minimize splashing, remove deflector guides and pour in solution, then refit the guides.

Avoid solution contamination; one drop of bleach-fix can completely ruin the developer! Always use separate graduates for the developer and bleach-fix.

The Beseler-16 CP Auto Print Processor requires chemistry made up to give 5 liters (170 oz.) of working solutions. Follow the manufacturer's instructions precisely when mixing solutions. Carefully pour 4 liters (136 oz.) of each working solution into the chambers, in the following order:

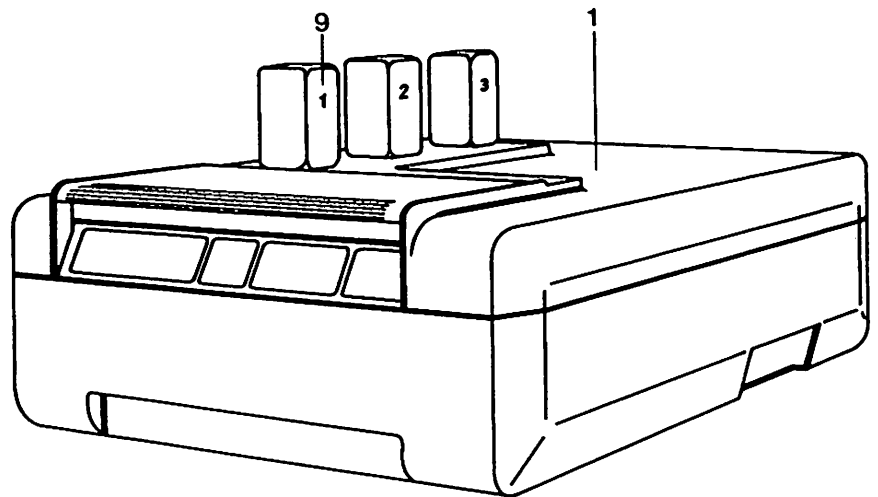
**V. PREPARATION****a) Color negative paper process:**

1. Solution 3 (bleach-fix)
2. Solution 2 (stopbath: 2-3% acetic acid)
3. Solution 1 (color developer)

**b) Black and White processes:**

1. Solution 3 (fixer)
2. Solution 2 (stopbath: 2-3% acetic acid)
3. Solution 1 (developer)

(The order for color reversal paper processes is given separately on page 12).

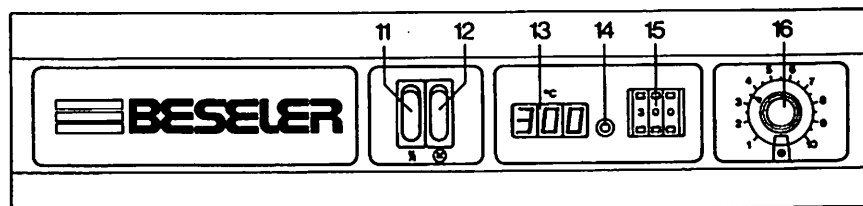


Pour 500 ml (17 oz.) of developer into the top-up bottle marked 1 (9), 500 ml (17 oz.) of stop bath into the top-up bottle marked 2 and 500 ml (17 oz.) of bleach-fix or fixer into the top-up bottle marked 3 (10). Make sure these bottles are closed tightly (sealing ring in position). The remainder of each solution should be poured into storage bottles for subsequent replenishing of the top-up bottles. The storage bottles should also be marked 1, 2 and 3 respectively and sealed so as to exclude air.

Now place the cover (1) on the machine case. Place top-up bottle 1 cap-down in the opening for solution 1, bottle 2 in the opening for solution 2 and bottle 3 in the opening for solution 3. In this way the correct liquid level in each bath will be automatically maintained. Since the bottles are transparent, it is easy to see when they need replenishing.



## VI. OPERATION



### Sequence of Operations

1. Input working temperature of baths 1, 2 and 3 as appropriate for the process by temperature control (15).
2. Turn on machine with the main power switch (11). (The actual temperature is indicated by the temperature display (13) after about 8 sec. if the top is on and paper feed cover is down.)

Note: A correct display is not given if temperature is below 20° C.

3. Set speed control knob (16). The approximate developing times in bath 1 are:

Dial 1: approx. 300 sec.	Dial 6: approx. 55 sec.
Dial 2: approx. 200 sec.	Dial 7: approx. 40 sec.
Dial 3: approx. 130 sec.	Dial 8: approx. 35 sec.
Dial 4: approx. 100 sec.	Dial 9: approx. 30 sec.
Dial 5: approx. 75 sec.	Dial 10: approx. 27 sec.

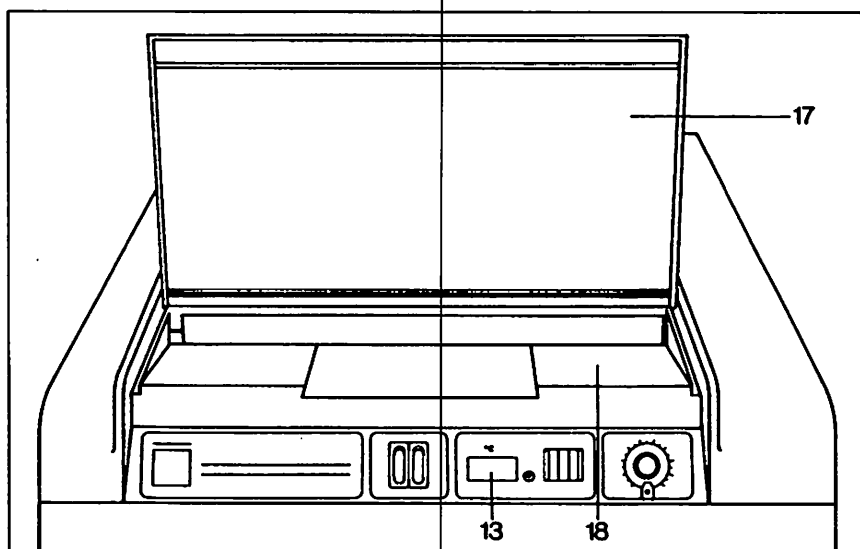
The developing time for the relevant process in bath 1 must be precisely observed. The correct time can be obtained by adjusting the speed control knob, which is infinitely variable. The exact developing time can be determined with a stopwatch by measuring the time elapsing between the gripping of a print by the first pair of rollers in bath 1 and the gripping of the print by the first pair of rollers in bath 2. This must, of course, be done with the cover off before starting actual processing. Note the setting of the knob for the process you are using, so that you can return to it if you also use processes requiring different developing times.

4. Open the water valve. The volume flow for washing is about 3-4 liters/min. (0,75-1.00 gal/min.). Never use a wash flow of more than 5 liters/min (1.30 gal/min.). Here again, any temperature requirements specified by the chemistry manufacturer must be observed.
5. Now watch the temperature display (13) to see when the selected bath temperature is reached. Once the temperature has been reached the displays will constantly cycle  $\pm 2^{\circ}$  C. The warming up time depends on the process temperature; you can expect the processor to heat solutions at the rate of approximately  $0.5^{\circ}$  C/min. ( $0.9^{\circ}$  F/min.). Then turn on the roller transport switch (12). The machine is now ready for operation.

**VI. OPERATION**

6. Raise the paper feed cover (17). Push the exposed print emulsion side down into the feed slot until it is gripped by the first pair of rollers. Print sizes up to 8" x 10" (20.3 x 25.4 cm) should preferably be inserted horizontally, so that the cover can be closed as quickly as possible to prevent fogging by, for example, white focusing light from the enlarger. With larger print sizes the flap should be closed only when the trailing edge of the print has reached the feed table (18). While a print is passing through the first pair of rollers in bath 1, the temperature display (13) is extinguished. This is a reminder not to insert the next print until the display is restored. Smaller prints can, of course, be fed in simultaneously side by side if you make sure they do not overlap when inserting.

Note: It is suggested that at least two sheets of paper are run through the processor before each printing session; this helps clean the rollers and allows them to become "activated" with solutions permitting best results.



7. The first print leaves the last pair of rollers in bath 4 after 4-12 min. [the exact time depending on the process data]. To receive the prints, place a shallow tray filled with water on the delivery side. The prints are then dried in a hot-air drier.

Note: The Beseler-16 CP Auto Print Processor has provision for attachment to an accompanying hot-air drier (Cat. 8403) synchronized with the machine drive.

8. Always turn off the drive with roller transport switch (12) during breaks. This prolongs the life of the solutions. At the end of the working day, turn off both power switches. Baths 2 and 4 (washing) should be drained daily. For this purpose take the discharge hoses marked 2 and 4 out of the compartment on the right-hand side of the machine, remove the plugs, open the valves and drain the water into a suitable container.

Note: Bath 2 should be drained daily only if it contains stop bath or water.

## VI. OPERATION

### Changing the solutions

Processing solutions can safely remain in the solution chambers overnight. However, if the unit is going to be shut down for a longer time period, we recommend removal of all solutions.

All four solution chambers have discharge hoses, accommodated in the opening in the case of the right-hand side of the machine. They are marked 1, 2, 3 and 4 according to the relevant baths. To change the solutions, remove the plugs, open the valves and drain into a suitable container.

Lift out the transport racks one by one and thoroughly rinse under running water. Never rinse the three racks together in the same container. Clean the solution chambers separately. Then cap the discharge hoses, refill the solution chambers with water and run the processor for a short time. After draining the rinse water, wipe the side of the solution chambers dry. Reinsert the transport racks.

To ensure consistently perfect results, all solutions should be replaced once a week whether or not they have been used to capacity. Before discarding spent chemicals to the public sewer, follow any instructions of the water authority as to effluent disposal or pollution control.

**VII. PROCESS INFORMATION****Developing processes**

The chart below lists the processing times and temperatures that we have found to produce satisfactory results; however, this information should be used as a starting point since conditions in your laboratory may vary slightly.

To monitor your processing, sensitometric control strips are available from the paper manufacturer. Proper use of control strips will assure the most consistent results.

Material	Process	Developer Temperature	Developing Time	Transit Speed
Ektacolor Plus, Professional and Similar	Beseler 2-Step	38° C	1' 45"	16 cm/min
Ektacolor Plus, Professional and Similar	Kodak EP-200	38° C	2' 00"	12 cm/min
Black & White RC Paper	D-72 type/ Rapid Fix	30° C	0' 30"	50 cm/min
Cibachrome CRCA and CPSA Paper	Cibachrome P-30	30° C	2' 00"	12 cm/min
Cibachrome CCO Paper and CTR-Film	Cibachrome P-22	39° C	1' 00"	25 cm/min

**Reversal processes**

The Beseler-16 CP Auto Print Processor is suitable for color materials which undergo chemical reversal and do not require a special reversal bath or reversal exposure. The processes currently include Cibachrome P-30 and Cibachrome P-22.

Carefully pour the working solution in the following order into the chambers:

1. 4 liters (136 oz.) of solution 3 (fixer)
2. 3,5 liters (119 oz.) of solution 2 (bleach)
3. 4 liters (136 oz.) of solution 1 (developer)

## VII. PROCESS INFORMATION

### Reversal processes

#### Special notes for P-30 process:

The P-30 developer must be mixed with Cibachrome developer additive DEZ 30.5 when used in this processor. Add 40 ml (1.4 oz.) DEZ 30.5 to 960 ml (32.6 oz.) developer to make a working solution. Fill bottles 1, 2 and 3 with developer, bleach and fixer respectively. CTR transparency film is not suitable for processing in P-30.

#### Special notes for P-22 process:

The P-22 process is a one-time non-replenishable process. Fill bottles 1, 2 and 3 with developer, water and fixer respectively. This process requires bleach in chamber #2 and water in bottle #2.

Due to the fact that Cibachrome chemistry is more caustic than most, pay particular attention to the cautions and warnings of the manufacturer. Observe all manufacturer's information regarding room ventilation, usage and disposal of chemical solutions.

Note: Whenever the unit is used for more than one type of chemical process a very thorough cleaning is required.

Do not feed sheets continuously; allow enough time for each sheet to leave bath #1 before feeding in next sheet. This time is required for proper circulation on developer.

## VII. PROCESS INFORMATION

### Solution capacities

In general, processing solutions have working capacities stated in terms of sq. in. prints/oz. of solution. The following chart has been calculated to provide you with approximate maximum capacity in terms of 8" x 10" prints for one filling of a solution chamber (4 liters or 136 oz.).

<u>Process</u>	<u>Capacity (8x10's)*</u>
Beseler 2-Step	80
Kodak EP-200	80
B & W (D-72 type)	100**
2%-3% Stop Bath	40
Cibachrome P-30	50
Cibachrome P-22 Prints	280
Cibachrome P-22 Transparencies	110

\* Depending upon your requirements, satisfactory prints may be produced even after the specified maximum has been reached.

\*\* Varies greatly with actual chemistry used.

Of course, any combination of prints adding up to this volume (6400 sq. in.) may be processed in the same amount of chemistry. If you are primarily working with other print sizes, use the chart below as a guide.

### Equivalent values in different print sizes

16 x 20	11 x 14	8 x 10	5 x 7	4 x 5	3 1/2 x 5
20	42	80	182	320	365

### Replenishing solutions

It is possible to extend the capacities of processing solutions through the use of a replenishment system. There are some development systems which include a special replenisher for this purpose; however we have based our recommendations on the most commonly available standard chemistries.

Replenishment is accomplished by draining a certain volume of chemicals from baths #1, #2 and #3 and replacing with the same volume of fresh solution. Since we have calculated the replenishment rates utilizing the volume of solution in the top-up bottles this procedure has been simplified. Remove the top-up bottles from their appropriate positions on the processor. Using the discharge hose marked #1, drain 500 cc (17 oz.) of chemistry. Making sure that top-up bottle #1 is full to the 500 cc (17 oz.) mark, place it back in position on the processor. Repeat this procedure for bath #2 and bath #3. (As required, see chart below or manufacturer's instructions.)

When the top-up bottles have drained completely into the machine, remove them, refill with fresh solution and reinsert.

## VII. PROCESS INFORMATION

Consistent results with replenishment are possible as long as you keep an accurate record of the number and size of the prints you are processing. This system assumes you will start to replenish as soon as you reach the capacities stated in the chart below, not the capacities in the chart on page 13.

You must also realize that there is a maximum number of prints that you can process using replenished solutions. After this maximum is reached you must drain and refill the processor completely.

Use this chart only as a guide since conditions in your laboratory may vary slightly.

Material	Process	# of 8x10's or equivalent/ 500 cc (17 oz)	Maximum # of 8x10's or equivalent using replenishment process*
Ektacolor Plus, Professional and Similar	Beseler 2-Step	20	250
Ektacolor Plus, Professional and Similar	Kodak EP-200	20	250
Black & White RC Paper	D-72 type/ Rapid Fix	30	300
Cibachrome CRCA and CPSA Paper	Cibachrome P-30	25/2000 cc (68 oz)	250
Cibachrome CCO Paper and CTR Film	Cibachrome P-22	Not Recommended	
Process using stop bath	2%-3% Stop Bath	No replenishment; change completely after 40 8x10's or equivalent	

\* Depending upon your requirements, satisfactory prints may be produced even after the maximum number of prints has been reached.

Note: The optional Beseler-16 Replinisher is available and provides semi-automatic replenishment of solutions.

## VII. PROCESS INFORMATION

### Additional Processes

There are many different chemical processes on the market. The recommendations we have given do not suggest that these are the only processes that can be used; rather, they are representative of the most readily available processes.

If you wish to use a process that is not listed, check with the chemistry manufacturer regarding their recommendations for use in roller-transport processors.

Due to the nature of the chemistry used, the following processes are not recommended:

#### Color

Agfaspeed  
Ektaflex

#### Black & White

Stabilization

## VIII. TROUBLESHOOTING GUIDE FOR PROCESSING ERRORS

### Processing Errors

The following charts are a guide to help you in determining the cause of improperly processed prints. Consult the chemistry instructions for further information.

#### All Processes

<u>Problem</u>	<u>Possible Cause</u>
Light streaks or stains in feed direction.	1) Damp first rollers. 2) Damp paper feed tray.
Streaks across feed direction	1) Paper stuck briefly.
Scratches on print emulsion.	1) Paper fed in emulsion up. 2) Foreign substance on rollers.
Blue spots.	1) Iron contamination of solutions.
Light spots or mottle.	1) Moisture condensation on emulsion. 2) Water spots on emulsion.



**VIII. TROUBLESHOOTING  
GUIDE FOR  
PROCESSING ERRORS**

<u>Ektacolor Process</u>	<u>Problem</u>	<u>Possible Cause</u>
	Fingerprints or reddish smudges.	1) Chemistry on hands.
	Low contrast and density; shadows muddy brown/blue.	1) Developer too cold. 2) Transport speed too fast. 3) Developer exhausted.
	Overall Cyan cast including borders	1) Paper fogged by safelight. 2) Developer slightly contaminated with Blix. 3) Paper fogged by high temperature.
	Overall Reddish cast including borders.	1) Developer heavily contaminated with Blix.
	Bluish Magenta stain.	1) Stop bath exhausted. 2) Insufficient wash rate in bath #2.
	Grayish-Purple metallic haze.	1) Insufficient Blix.
	Yellow or brownish areas.	1) Paper fogged by white light.
 <u>Black &amp; White Processes</u>		
	Prints too light.	1) Developer too cold. 2) Transport speed too fast. 3) Developer exhausted. 4) Developer contaminated.
	Prints too dark	1) Developer too hot. 2) Transport speed too slow.
	Low contrast	1) Developer exhausted. 2) Paper fogged.
	Metallic haze.	1) Stop bath exhausted. 2) Fixer exhausted.

**VIII. TROUBLESHOOTING  
GUIDE FOR  
PROCESSING ERRORS**

	<b>Problem</b>	<b>Possible Cause</b>
<u><b>Cibachrome Processes</b></u>	Light image, Grayish or Cyan blacks	1) Developer too hot. 2) Transport speed too slow. 3) Developer too concentrated.
	Dark image, low contrast	1) Developer too cold. 2) Transport speed too fast. 3) Developer exhausted.
	Light image, overall, Reddish to Orange cast.	1) Paper fogged by safelight. 2) Developer contaminated.
	No color saturation, Grayish highlights	1) Insufficient bleach.
	Yellowish, mottled appearance.	1) Chemistry exhausted.
	Highlights have Cyan cast.	1) Insufficient washing.
	White or light areas.	1) Paper fogged by white light.

**IX. ROUTINE CLEANING  
AND MAINTENANCE**

The normal draining and cleaning procedure as outlined on page 11 is adequate to keep the processor clean and in good operating condition.

Occasionally give the processor a major cleaning. This may be after a certain number of prints are run (between 500 and 1000) or whenever in your opinion the processor appears to need it.

It is also a good idea to perform this cleaning if the processor is going to be stored for any extended time period.

- 1) Shut off machine and drain all solutions.
- 2) Remove all roller transport racks and clean with lint-free rag under running water. Remove deflector guides from racks and clean separately.
- 3) Clean all accessible surfaces of rollers and gears. Use plastic brush to assist in removal of any stubborn deposits. Mild acetic acid solution may be used to help remove tar or black residue. (Use rubber gloves and wear eye protection.)
- 4) Wipe down all solution chambers with paper towels and water. Mild acetic acid solution may also be used here if required.
- 5) Rinse off racks and rinse out solution chambers. Then reinsert racks.
- 6) Fill and run the processor with water five or six times to insure that it is clean.
- 7) If you have deposits on the rollers at this point you may wish to try Roller Transport Clean-up Film 4955 available from Eastman Kodak Co., 50 sheet box of 8x10's, Cat. #114-1530.
- 8) Rinse off the inside of the top cover and wipe down any other areas of the processor where there may be chemical deposits.
- 9) Remove the racks and thoroughly dry all parts of the processor. Reassemble.
- 10) Always fill the processor with water and run for a few minutes whenever you are starting up after an extended storage.
- 11) Do not use any commercially available liquid or powder cleaners.

**X. LIMITED WARRANTY**

Beseler Photo Marketing Company , Inc., Florham Park, New Jersey warrants this product to the original purchaser only to be free from defects in materials and workmanship for a period of six months from the date of purchase.

This Warranty does not apply to our products which show evidence of accidental damage, misuse or abuse by you. The Warranty also does not apply to our products which are defective or damaged by tampering or attempted repair by an unauthorized Beseler agent.

Beseler exclusively limits this Warranty to repair or replace (at Beseler's option) the defective part of its product. If you send our product to our authorized repair outlet, you must insure the product and prepay all transportation expenses. Beseler will not be liable for damages caused in the course of shipping the product to you. You must allow at least six (6) weeks for correction of the defect.

ANY IMPLIED WARRANTIES OF FITNESS FOR USE, OR MERCHANTABILITY, THAT MAY BE CREATED BY OPERATION OF LAW ARE LIMITED TO THE SIX (6) MONTHS WARRANTY PERIOD.

Some states do not allow limitations on how long an implied Warranty lasts, so the above limitation may not apply to you.

NO LIABILITY IS ASSUMED FOR EXPENSES OR DAMAGES RESULTING FROM INTERRUPTION IN OPERATION OF EQUIPMENT, DAMAGE TO FILM OR PAPER, OR FOR INCIDENTAL, DIRECT OR CONSEQUENTIAL DAMAGES OF ANY NATURE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

In the event there is any defect in materials and workmanship of our product you may contact our Customer Service Department at Beseler Photo Marketing Company, Inc., 8 Fernwood Road, Florham Park, New Jersey 07932. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. You may also have implied warranty rights. In the event of a problem with warranty service or performance, you may be able to go to a Small Claims Court, a State Court, or a Federal District Court.

**IMPORTANT:**

THIS WARRANTY SHALL NOT BE VALID AND BESELER SHALL NOT BE BOUND THIS WARRANTY IF OUR PRODUCT IS NOT OPERATED IN ACCORDANCE WITH BESELER'S WRITTEN INSTRUCTIONS.

You must prove the date of purchase by producing a sales receipt indicating that you are the original purchaser.

**IMPORTANT: KEEP THIS INFORMATION HANDY  
FOR FUTURE REFERENCE**

**KEEP YOUR SALES RECEIPT!**

**XI. SERVICE INFORMATION** The BESELER-16 CP Auto Print Processor is designed to be user serviceable. In the event a problem does occur, contact the Customer Service Department at Beseler (201) 822-1000.

They are prepared to discuss your problem and offer the speediest solution.

**DO NOT RETURN YOUR UNIT TO BESELER WITHOUT AUTHORIZATION FROM A CUSTOMER SERVICE REPRESENTATIVE.**



Dear Beseler Customer:

Thank you for your recent purchase of our  
Catalog No. 8401, Auto 16 CP Processor.

In an effort to continue to improve our product,  
its accessories, and chemicals to be used with the  
Processor, we would appreciate it if you would take  
a few moments to complete the attached questionnaire.

Thank you very much for your help.

Yours truly,

BESELER PHOTO MARKETING CO., INC.

## QUESTIONNAIRE

BESELER AUTO 16 CP PROCESSOR, CATALOG NO. 8401

1. Which are the two types of paper that will be most frequently processed by you?

Most Important \_\_\_\_\_

Next Important \_\_\_\_\_

2. What are the sizes of paper that you will be processing of each of the above and approximately how many of each will you process per week?

	<u>Quantity/Week</u> (Most Important)	<u>Quantity/Week</u> (Next Most Important)
8" x 10"	_____	_____
11" x 14"	_____	_____
16" x 20"	_____	_____
Other	_____	_____

3. In the general use of this processor, what are the sizes of the chemical packages that you plan to purchase when you use this equipment?

4 Liter	_____	_____
5 Liter	_____	_____
9 Liter	_____	_____
10 Liter	_____	_____
Other	_____	_____

4. Do you have a preference for liquid or powder chemistry?

Liquid \_\_\_\_\_

Powder \_\_\_\_\_

The reasons for my preference are: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Is the Auto 16 CP Processor connected to a water supply, or is washing done outside of the Processor?

Connected water supply \_\_\_\_\_

Washing performed outside of Processor. \_\_\_\_\_

QUESTIONNAIRE (cont'd.)

BESELER AUTO 16 CP PROCESSOR, CATALOG NO. 8401

6. How would you rank the importance of the following in your decisions to purchase the Auto 16 CP Processor?

	<u>Very important</u>	<u>Important</u>	<u>Not important</u>
Product Features	_____	_____	_____
Price	_____	_____	_____
Manufacturer's Reputation	_____	_____	_____
Dealer Recommendation	_____	_____	_____
Advertising	_____	_____	_____

7. Which features of the Auto 16 CP Processor are most important to you?

\_\_\_\_\_

\_\_\_\_\_

8. Are there accesories that would make the Auto 16 CP Processor more valuable to you? If so, what are they?

\_\_\_\_\_

\_\_\_\_\_

9. Are you satisfied with your purchase of the Auto 16 CP Processor?  
If not, what are the reasons for your dissatisfaction?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

10. Do you own other Beseler equipment? If so, which model?

Enlarger                      \_\_\_\_\_

Analyzer                     \_\_\_\_\_

Other                         \_\_\_\_\_

11. Did you find that the instruction book anticipated your questions and satisfactorily answered them?

\_\_\_\_\_



QUESTIONNAIRE (cont'd.)

BESLER AUTO 16 CP PROCESSOR, CATALOG NO. 8401

12. Was the unit packed satisfactorily? Did it arrive in good condition?

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13. How did you accomplish your paper processing before purchasing the Beseler Auto 16 CP Processor?

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14. Did you purchase the Beseler Auto 16 CP for your business or hobby?

Business \_\_\_\_\_ Hobby \_\_\_\_\_

If it was for business, what is the nature of your photographic business?

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15. Did you purchase the Beseler Auto 16 CP from a specialty dealer or did you purchase it from a mail order company?

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16. Please give the serial number of your Beseler Auto 16 CP \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP CODE \_\_\_\_\_

If you want information on other Beseler products, please indicate which:

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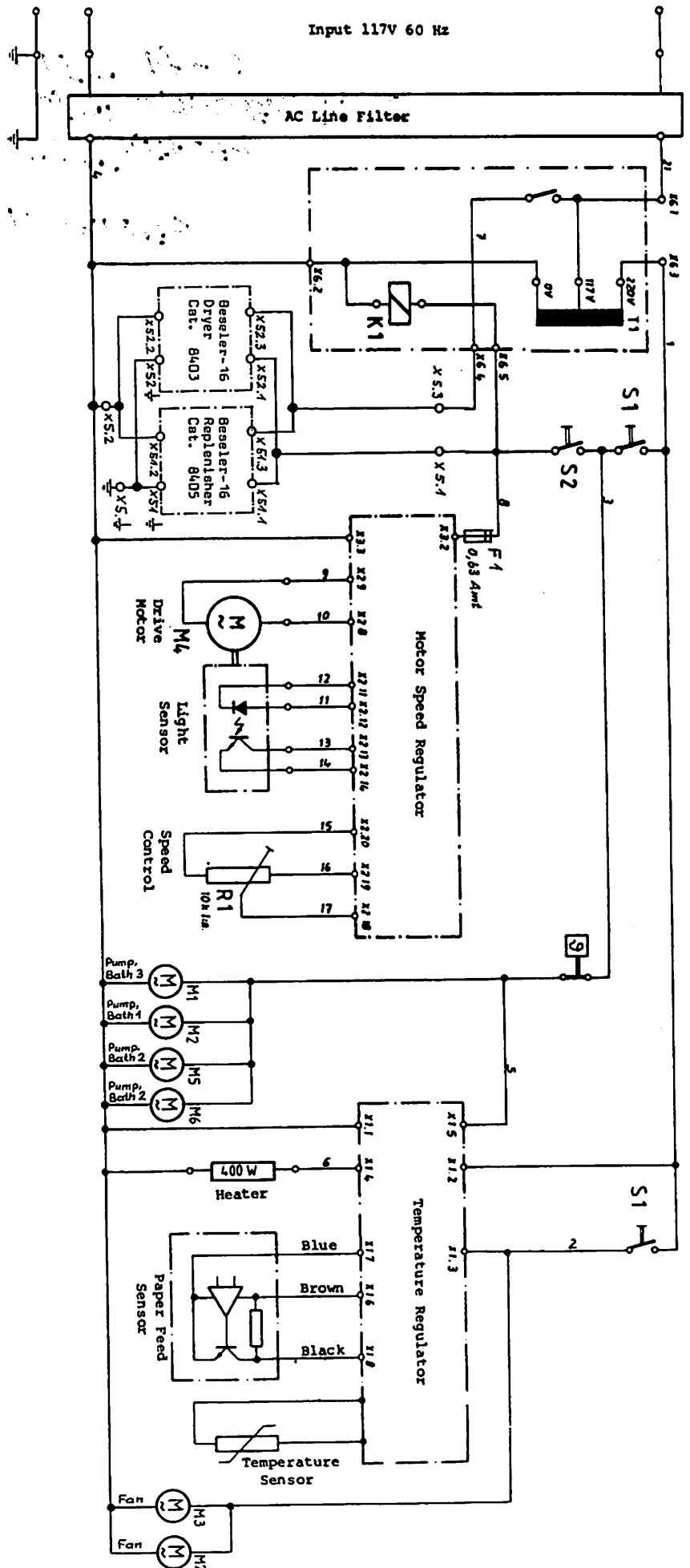
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START UP CHEM. MIXES

/ liter Devel. = 800 ml REPLEN  
25 ml STARTER X 4  
175 ml H<sub>2</sub>O

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/ liter Bleach = 4 liters of Bleach Replen.