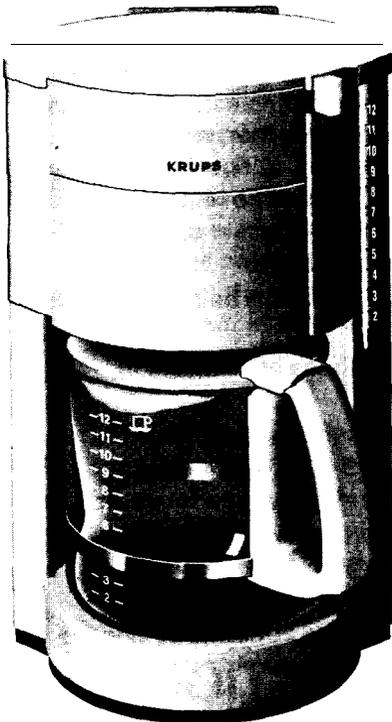


# KRUPS

ProAroma **12** Time  
with NaturActiv Filter

Model #453



Instructions  
for Use

Warranty

Guarantee of  
Performance

# IMPORTANT SAFEGUARDS

When using electrical appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and/or injury to persons, including the following:

- Read all instructions and information in this instruction book and any other literature included in this carton referring to this product before operating or using this appliance.
- Do not touch hot surfaces. Use handles or knobs.
- To protect against electric shock, do not immerse cord, plugs, or appliance in water or other liquid.
- Close supervision is necessary when any appliance is used by or near children.
- Unplug from outlet when not in use and before cleaning. Allow to cool before putting on or taking off parts, and before cleaning the appliance.
- Do not operate any appliance with a damaged cord or plug or after the appliance malfunctions, or has been damaged in any manner. Return appliance to an authorized **KRUPS** Service Center for examination, repair, or adjustment (see Guarantee of Performance).
- The use of an accessory not evaluated for use with this appliance may cause injuries.
- Do not use outdoors.
- Do not let cord hang over edge of table or counter, or touch hot surfaces.
- Do not place on or near a hot gas or electric burner, or in a heated oven.
- To disconnect, turn appliance to "OFF", then remove plug from wall outlet.
- Do not use appliance for other than intended use.
- Snap lid securely onto glass carafe before serving beverages.
- Appliance with Glass Carafe:
  - A. The carafe is designed for use with these appliances. It must never be used on a range top.
  - B. Do not set a hot carafe on a wet or cold surface. Thermal shock may result from sudden changes in temperature.
  - C. Do not use a cracked carafe or a carafe having a loose or weakened handle.
  - D. Do not clean carafe with cleansers, steel wool pads, or other abrasive material, which will reduce the strength of the glass.

## SAVE THESE INSTRUCTIONS

# SPECIAL CORD SET INSTRUCTIONS

Regarding your Cord Set:

- A. A short power-supply cord is provided to reduce risks resulting from becoming entangled in or tripping over a longer cord.
- B. Longer extension cords may be used if care is exercised in their use.
- C. If a long extension cord is used, (1) the marked electrical rating of the extension cord should be at least as great as the electrical rating of the appliance, (2) if the appliance is of the grounded type, the extension cord should be a grounding-type **3-wire** cord, and (3) the longer cord should be arranged so that it will not drape over the counter top or table top where it can be pulled on by children or tripped over.
- D. This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit into a polarized outlet only one way. **If** the plug does not fit fully into the outlet, reverse the plug. **If** it still does not fit, contact a qualified electrician. Do not attempt to **modify** the plug in any way.

## CAUTION:

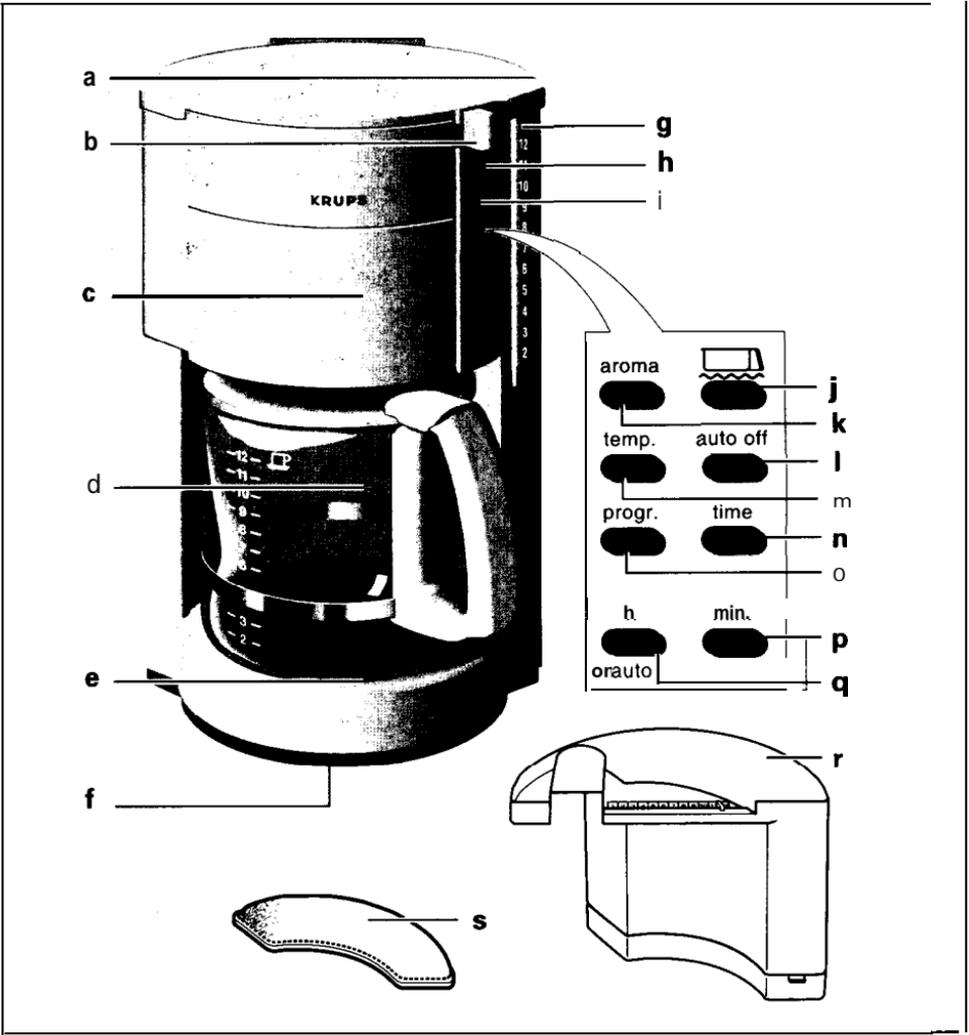
This appliance is for household use. Any servicing other than cleaning and user maintenance should be performed by an authorized KRUPS Service Center.

Do not immerse base in water or any other liquid.

To reduce the risk of fire or electric shock, do not remove the base. No user service able parts inside. Repair should be done by authorized service personnel only.

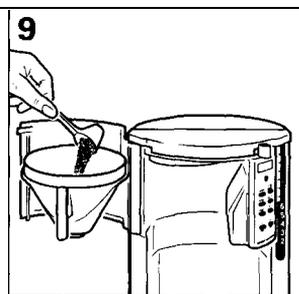
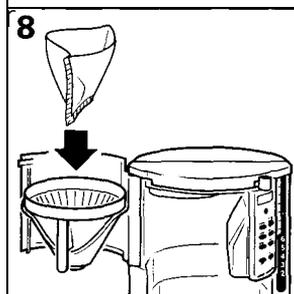
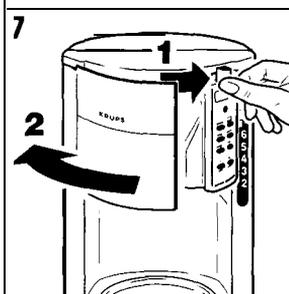
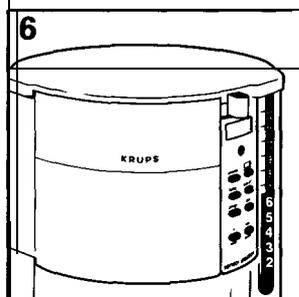
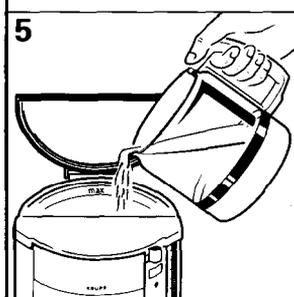
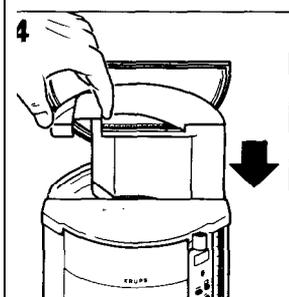
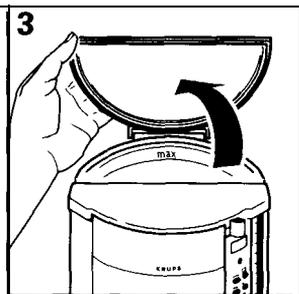
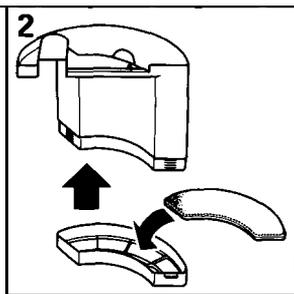
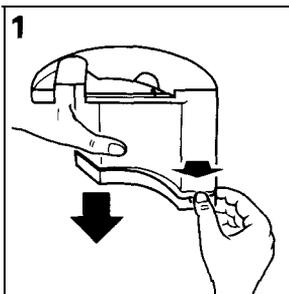
- Check voltage to be sure that the voltage indicated on the name plate agrees with your voltage.
- Never use warm or hot water to fill the water container! Use cold water only!
- Never refill the water chamber while this KRUPS coffee maker is in operation, in the "on" position. Turn the KRUPS coffee maker off and let cool down for 10 minutes before refilling with water.
- Before turning your KRUPS coffee maker on, please make sure that:
  - 1. the filter is properly inserted into the swivel filter;
  - 2. the swivel filter is properly closed;
  - 3. the lid for the glass carafe is properly attached to the glass carafe;
  - 4. the glass carafe sits flat on the inside circle of the heating plate.
- Keep your hands and the cord away from hot parts of the appliance during operation .
- Never clean with scouring powders or hard implements.

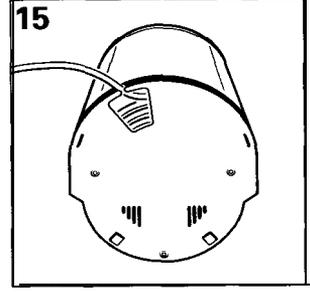
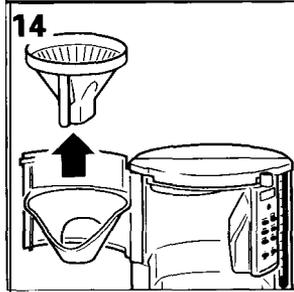
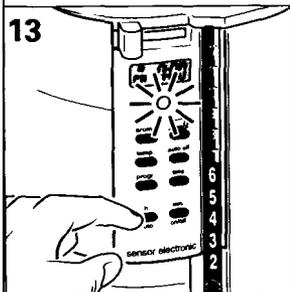
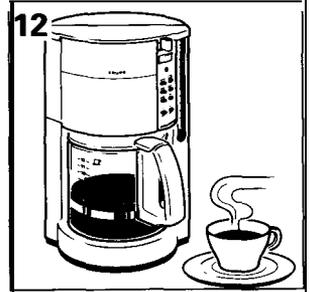
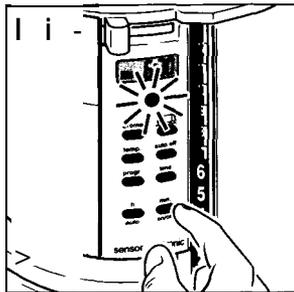
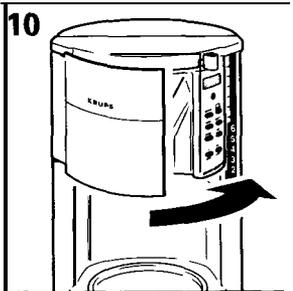
# Krups ProAroma 12 Time with NaturActiv Filter

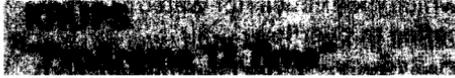


- a: hinged water chamber lid
- b: release button
- c: swing away filter holder
- d: carafe
- e: warming plate
- f: hidden cord storage
- g: magnified water level indicator
- h: LED display
- i: indicator light
- j: carafe prewarm

- k: aroma selector button
- l: programmable auto shut off button
- m: temperature adjustment button
- n: time set button
- o: programmable timer button
- p: ON/OFF button, set minutes
- q: set auto on/set hour button
- r: NaturActiv Filter housing
- s: NaturActiv filter







Your new KRUPS “ProAroma 12 Time” coffeemaker has the following features:

- Exclusive “NaurActiv” vegetable based cocoa filter removes up to 82% of unwanted chlorine taste from water for smooth rich coffee without any hint of bitterness. Important minerals such as calcium are left behind.
- Exclusive KRUPS deep-brew system with special filtering action for maximum flavor.
- Electronically controlled 3 brewing cycles let you select a full-flavored 1-3 cup brew, a medium strength 4-12 cup brew or a strong 4-12 cup brew.
- Swing away two-part filter holder with release button is convenient to use and easy to clean.
- “Stop’n Serve” feature lets you serve a cup or two while brewing. The automatic filter seal allows you to remove the carafe for 20 seconds without coffee dripping onto the warming plate.
- Aroma Savor System lid locks in flavor and aroma by creating a seal on the carafe lid.
- Carafe Pre-Warming Cycle pre-warms the carafe so every cup of coffee is hot, from first to last.
- 24 hour programmable timer lets you program the coffeemaker for convenient “wake-up” coffee in the morning.
- Adjustable temperature control lets you set coffee keep-warm temperature in 6 increments.
- Programmable auto shut-off lets you select shut-off time from 1 to 5 hours after brewing.
- Electronic decalcifying detection will automatically alert you when the coffeemaker needs to be decalcified.
- Magnified water level indicator is easy to read.
- Hinged water container lid will not get lost and will protect water container from dust and dirt.
- KRUPS specially designed heating and tubing system minimizes calcification and leaves no residual water in the system when brewing is finished.
- Hidden cord storage allows you to set the desired cord length.

### Setting the Time

1. Plug in the Krups “ProAroma 12 Time”. Make sure that the coffeemaker is turned off (the red light should not be illuminated).
2. The LCD display will be flashing. This is your signal to set the digital clock.
3. Press the “time” button  (n) on the selector panel. Press the “auto” button  (q) and advance to the proper hour. Press the “on/off” button  (p) and advance to set the precise minutes.

The AM or PM indicator will be illuminated and should you pass the time you wish to set, just hold in the “auto” button  (q) until desired time is reached.

4. To lock in the time, simply press the “time” button  (n) again (Note: the time will automatically set in after 4 seconds). The flashing dots in the LCD display will confirm that the time has been properly set.

## Preparing Coffee

Before making your first pot of delicious coffee, we recommend operating the coffee maker once or twice with water only, without ground coffee or a paper filter to remove any possible dust.

Be sure that the water container is empty. Remove literature, etc. if inserted in the water container.

The lid of the glass carafe must be properly positioned during the brewing process. Position the lid over the carafe and snap the rectangular piece onto the handle. The lid is then locked in place.

Make sure that the swing away filter (c) is properly closed during the brewing process. When closing the swivel filter you will feel a noticeable resistance between the swivel filter and the base. Push in firmly until you hear the filter “click” into place.

**Caution:** If the swivel filter is not completely closed, the “Stop’n Serve” trigger will not function properly,

which may cause hot water or hot coffee to overflow.

The “Stop’n Serve” mechanism is opened as long as the glass carafe is inserted into the machine and sits properly on the warming plate and the swivel filter is properly closed.

## Filling the Water Chamber

- Open the hinged lid (see figure 3).
- Pour in the desired quantity of water (see figure 5).
- The water level indicator shows you how much water you are filling into the container (see figure 6).

The amount of freshly brewed coffee delivered after the brewing process will always be slightly less than the amount put into the water container. This is due to the minimal absorption of the water by the ground coffee. Therefore, put in a little more water to begin with so that you will have the number of cups you desire.

Replace the carafe on the warming plate with the glass carafe lid in position.

## Inserting/Changing the “NaturActiv” Filter

To insert or change the “NaturActiv” filter, remove the plastic filter housing (r) from inside the water chamber.

- Remove the bottom portion of the housing (see figure 1).

Remove and discard the old filter.

■ Insert a new filter by dropping it into the bottom housing piece. Snap back into filter housing (see figure 2).

■ Replace housing unit back into the water chamber (see figure 41).

Each filter will last approximately 40 cycles.

Note: Replacement filters can be purchased by calling KRUPS Consumer Service Department 1-800-526-5377.

## Putting in the Ground Coffee

■ To open the swing away filter holder, move the release button (b) to the right to swing the filter out (see figure 7).

■ Insert a paper filter (we recommend KRUPS size 4) with the seam pointing towards the handle of the filter holder (see figure 8).

Instead of filter paper you can also use the KRUPS goldtone filter (model #053). (When ordering filter paper or the goldtone filter from KRUPS be sure to indicate that they are for model #453).

■ Put ground coffee into the paper filter (see figure 9).

We suggest using one level KRUPS measuring spoon of ground coffee for each cup of robust brewed coffee.

After using your KRUPS coffee maker several times you can adjust the measure to suit your own taste.

■ Close the swivel filter and make sure that it is completely closed (see figure 10).

### Attention!

Make sure that the filter paper does not tip over when closing the swivel filter, or else the water might run between the filter paper and the filter holder producing a very weak cup of coffee.

## Aroma Select or Button

The “aroma” button provides you complete control over brewing strength and brewing cycles, to suit you personal taste.

Press the “aroma” button  (k). The current aroma setting will appear in the LCD display. Press the “aroma” button (k) again to display the next aroma selection, and so on.

There are three selections from which to choose:

	Display	
aroma 		for 4-12 cups of coffee; delivers a medium and more mellow flavor

	Display	
aroma 		for 4-12 cups of coffee; delivers a stronger, more stimulating coffee, with a powerful aroma
aroma 		for 1-3 cups of coffee; full flavor and aroma

Approximately 4 seconds after you have made your aroma selection, the time will reappear in the display window. Please note that the last-selected aroma setting will remain in memory until manually changed to a different selection.

■ To begin the brewing process, press the “ON/OFF” button  (p). The indicator light will illuminate, indicating the brewing process has begun (see figure 11).

### Carafe Pre-Warming Cycle

This feature allows you to pre-warm the carafe before the brewing process begins. Follow the steps in “Filling the Water Chamber” and “Putting in the Ground Coffee”.

To start the process, select the coffee strength you desire using the “aroma” button  (k). Within 6 seconds, press

the carafe pre-warm button  (j). The display will say “on”. Press the  button (p). The indicator light will flash, indicating that you have chosen to pre-warm the carafe. Pre-heating takes approximately 5 minutes, after which the brewing process will automatically begin. Once the carafe is pre-heated, the indicator light will stop flashing, but remain solid red.

 Note!

Once you press the carafe pre-warm button, the function is stored in memory. The next time you make coffee, the carafe will automatically be pre-warmed.

The function can be cancelled by pressing the carafe pre-warm button during the pre-warm stage. The light will then remain solid red. Carafe pre-warming is automatically cancelled in the event of a power shortage or removal of plug.



When the brewing cycle is complete, the last drop to leave the filter seals the opening within the lid of the carafe. When pouring, the stream of coffee forms a seal on the carafe lid so the remaining coffee is in an airtight container. This reduces evaporation and heat loss, and protects the aroma and freshness of the coffee.

## “Stop’n Serve” Feature

The “Stop’n Serve” feature is KRUPS’ answer to the impatient coffee drinker’s clamor for “a quick cup of coffee!” This device automatically stops the flow of brewed coffee through the filter cone if the glass carafe is removed from the warming plate during the brewing cycle. You have about 20 seconds between the removal of the carafe and its being reinserted to allow the serving of one or two cups of coffee.

The “Stop’n Serve” device closes off the filter cone so effectively that there is virtually no coffee-drip onto the warming plate (one drop, at most!).

Once the carafe is replaced, the brewing cycle and the flow of the coffee into the carafe are resumed.

### Caution

If the coffee does drip onto the warming plate after removal of the carafe, it is usually an indication that the small seal in the filter holder is missing or defective. It is also possible that too much ground coffee has been placed into the paper filter. This causes the water that jets into the filter cone to overflow between the paper filter and the sides of the filter cone.

This overflow carries coffee grounds with it that interfere with the snap-shot action of the filter holder, thus allowing brewed coffee to continue to drip through.

If this blockage and subsequent dripping do occur, replace the glass carafe immediately and allow the full brewing cycle to run its course. Do not swing out the swivel filter until the brewing cycle is completed.

## Setting “Wake-Up” Time

This feature enables you to enjoy freshly brewed coffee at any pre-selected time within a 24-hour period. To use this feature, you must first set the digital clock (see Setting the Time):

1. Press the “prog” button  (o). The display will change from the current clock setting to “Wake-Up” setting. The  symbol will appear in the display and the display will not flash.
2. Immediately select the time in which you would like the brewing process to commence (see diagram below).

		Display
Press the “prog” button		
Set the hour	 auto mm.	
Set the minutes		

3. Once you have set the “Wake-Up” time, either press the “prog” key or wait approximately 4 seconds. The current clock time will reappear and the display colon will flash.

To activate "Wake-Up" setting press  button (q). A green light will indicate the "Wake-Up" program has been set. The "Wake-Up" time is now stored in memory. If you wish to check the "Wake-Up" time that has been programmed, simply press the "prog." button and the time will be displayed.

## Preparing "Wake-Up" coffee

To enjoy delicious "Wake-Up" coffee that is freshly brewed and hot, first set the "Wake-Up" time (see Setting the "Wake-Up" Time).

Put in ground coffee.

Fill the water chamber to the desired number of cups.

Place the carafe back on the warming plate.

- Press the "auto" button  (q). The indicator light will turn green and the  symbol will appear in the display (see figure 13).

Enter the desired aroma setting, if you have not previously done so.

At the pre-programmed time, the indicator light will change from green to red, indicating the brewing process has begun.

## Setting the "Keep-Warm" Temperature

The ProAroma 12 Time has a "keep-warm" feature that maintains coffee temperature in 6 increments. To set the "keep-warm" temperature, press the "temp" button  (m). The currently entered temperature number will appear in the display. By pressing the "temp." button, you are able to select the desired level of temperature (1-6).

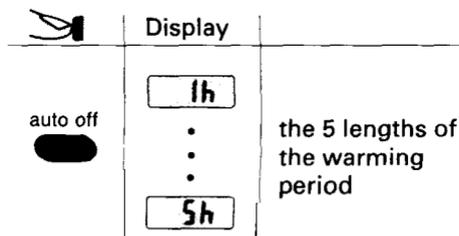
	Display	
		the coffee will be kept warm gently
		
		
temp. 		after brewing, the coffee will continue to be held at the brewing temperature
		after brewing, the temperature at which coffee is maintained will be increased
		

After approximately 4 seconds, the current clock time will reappear in the display. Please note that the temperature level can be altered at any time.

## Adjustable Auto Shut-Off

The ProAroma 12 Time also lets you select how long you would like the coffee kept warm, from 1 to 5 hours, before automatically turning itself off. To set the warming period, press the “auto off” button  (I). The currently entered period will appear (ie; 2h) in the display window.

By continuously pressing the “auto off” button, the warming period will be increased by one hour until the maximum period of 5 hours is reached.



Upon making your selection, the clock time will reappear in the display window after approximately 4 seconds. The automatic shut-off can be adjusted at any time.

### Note:

The ProAroma 12 Time may be manually shut off at any time by using the “on/off” button.

## Cleaning

Always unplug this appliance before cleaning.

- Clean the filter holder, the carafe and carafe lid in a solution of hot water and mild liquid soap (see figure 14).

These parts can also be placed in the upper level of your dishwasher for safe effective cleaning.

Never use scouring agents.

Do not place metal objects, such as flatware, silverware, coins, steel wool, etc. inside the carafe at any time. Glass may break or fracture as a result of impact.

Never immerse the appliance itself in the water or any other liquid. To clean, simply wipe off with a soft, damp cloth.

Never use a cloth to clean the inside of the water chamber, as this might leave fuzzy deposits in the chamber. Just rinse with cold water, periodically.

## Decalcifying

Although your KRUPS coffee maker has the most advanced water heating and pumping system, it will periodically need cleaning with a decalcifying agent.

This is due to the calcium (limestone) found in drinking water.

In some areas where the water is hard, you will need to decalcify more frequently than in areas with soft water.

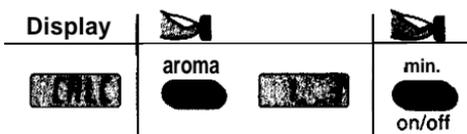
It will also depend upon how often you use your coffee maker.

An automatic sensor has been built into your ProAroma 12 Time which will indicate when your coffee maker needs decalcifying by displaying the message "CALC". This sensor is extremely sensitive and the "CALC" message may appear briefly in the display under certain circumstances. This is of no importance, however, and should be ignored. Decalcification is necessary only when "CALC" appears repeatedly or permanently in the display. The "CALC" display will remain visible until the "on/off" key is pressed. You should now decalcify the coffeemaker. We recommend using KRUPS original decalcifying agent for cleaning your KRUPS coffeemaker. When used in accordance with the following instructions, it will prolong the life of your coffeemaker.

#### How to decalcify

Dissolve contents of decalcifier in two cups of cold tap water. Pour solution into the water tank, then place the empty carafe and filterbasket in place. Press the "aroma" button. Now select the "1-3" cup setting. Press the "on/off" key. Allow the decalcifying solution to completely run through one cycle. Repeat this two or three times with cold liquid.

Rinse by cycling clean water through twice, pausing and turning the coffeemaker "off" for a few minutes in between each rinse session.



#### Caution

KRUPS decalcifying agent is a citric acid which is harmless. However, we recommend keeping it out of the reach of children.

Do not take internally. If swallowed accidentally, drink several glasses of water or milk and consult your doctor.

For best results . . .

... always use fresh, cold water (warm water might be stale and have mineral deposits which would impair the flavor of the coffee).

... we recommend that you grind your own beans. Freshly ground beans deliver more aroma and flavor. Use one KRUPS measuring spoon of beans per cup.

... serve coffee immediately after brewing.

... never reheat coffee.

#### Hidden Cord Storage

- The power cord can be tailored to the length required by utilising the hidden cord storage located underneath the coffee maker (see figure 15).



Your KRUPS # 453 is covered by the following warranty (glass carafes are excluded from warranty):

If from date of purchase within one year this KRUPS product fails to function because of defects in materials or workmanship, KRUPS North America, will at its option, repair or replace the unit without charge, provided the owner has a proof of date of purchase.

This warranty will be void if malfunction was caused by damage to the product by accident, misuse, use on frequency or voltage other than marked on the product and/or described in the instructions, abuse including tampering, damage in transit, or use for commercial purposes. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

# **GUARANTEE OF PERFORMANCE**

**This fine KRUPS product is manufactured according to a rigid code of quality standards, and, with minimum care, should give years of satisfying service. However, should the need arise for repairs or for replacement parts within or after the warranty period, please call our CONSUMER SERVICE DEPARTMENT:**

**(800) 526-5377**

**24-hours a day, 7 days a week**

**You will be provided with specific instruction on how to get your product repaired.**

**The department will also be able to answer any general product questions you may have.**

**Before calling the Consumer Service Department, please have the type number of your Krups appliance available. You must have this information before calling our Consumer Service Department so that we may better answer your questions. The type number can be located by looking on the bottom of your appliance.**

**This product is Type #453.**

**Any general correspondance can be addressed to:**

**Krups North America, Inc.**

**PO. Box 3900**

**Peoria, IL 61612**