

Operating Instructions

(Household) Water Purifier

Model No. TK-CS80



To maintain purification performance, the cartridge must be replaced periodically.

Replacement cartridge part numbers

• Sediment Cartridge:	TK-CS50C1SD
• Advanced ECO RO Cartridge:	TK-CS80C1RM
• Post Carbon Cartridge:	TK-CS80C1PC
→ See page 12.	

Thank you for purchasing this Panasonic product.

- Please read these instructions carefully before using this product, and save this manual for future use.
- **Be absolutely sure to read the “Safety Precautions” (see pages 3 to 5) before use to ensure that you use the product safely.** After reading the manual, keep it in a safe place along with the warranty in case you need to refer to it later.
- Be absolutely sure to check that the purchase date has been entered on the warranty card.

Panasonic Corporation

http://panasonic.net/

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Warranty

Panasonic	
Panasonic India Private Limited	
CERTIFICATE OF WARRANTY	
CUSTOMER COPY	
Dear Customer,	
Thank you for buying this Panasonic product. This card entitles you to enjoy one year warranty on your product purchased in India only. For any assistance please contact our Help Line Number.	
Product:	
Model No.:	Sl. No.
Customer Name:	
Address:	
Tel. No.:	Mobile No.
Date of Purchase:	Date of Expiry:
Invoice No.:	
Dealer Name and Address:	

Help Line (24 Hours 7 Days): 1800 103 1333 / 1860 425 1860, 044-42889222.

Email: helpline@in.panasonic.com

Panasonic India Private Limited, 6th Floor “SPIC BUILDING” ANNEXE, No. 88, Mount Road, Guindy, Chennai – 600 032.

Panasonic	Panasonic	Panasonic	Panasonic
Installation/Demonstration (Coupon No.)	Service 1 (Coupon No.)	Service 2 (Coupon No.)	Service 3 (Coupon No.)
Model No.: _____	Model No.: _____	Model No.: _____	Model No.: _____
Serial No.: _____	Serial No.: _____	Serial No.: _____	Serial No.: _____
Purchase Date: _____	Purchase Date: _____	Purchase Date: _____	Purchase Date: _____
TDS of Raw Water: _____	TDS of Raw Water: _____	TDS of Raw Water: _____	TDS of Raw Water: _____
Acidity of Raw Water: _____	TDS of Purified Water: _____	TDS of Purified Water: _____	TDS of Purified Water: _____
pH of Raw Water: _____	Dealer Stamp: _____	Dealer Stamp: _____	Dealer Stamp: _____
Water Pressure: _____	Customer Sign: _____	Customer Sign: _____	Customer Sign: _____
TDS of Purified Water: _____			
Dealer Stamp: _____			
Customer Sign: _____			

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Features

► Clean water is provided with the Advanced ECO RO Technology.

6 Stage water control process

1. Non woven filter	2. Cloth filter	3. Activated carbon block
4. Advanced ECO RO cartridge	5. Post carbon cartridge	6. UV disinfection

► Monitor safe water with sensing function

- The time to replace the cartridge is indicated by the LED.
- Monitors the operation of the UV, and automatically shuts down when an error occurs.

Safety Precautions

To reduce the risk of injury, loss of life, electric shock, fire, and damage to property, always observe the following safety precautions.

Explanation of symbols

The following symbols are used to classify and describe the level of hazard, injury, and property damage caused when the denotation is disregarded and improper use is performed.

	WARNING	Denotes a potential hazard that could result in serious injury or death.
	CAUTION	Denotes a hazard that could result in minor injury.
	NOTICE	Denotes a hazard that could result in property damage.

The following symbols are used to classify and describe the type of instructions to be observed.

	This symbol is used to alert users to a specific operating procedure that must not be performed.
	This symbol is used to alert users to a specific operating procedure that must be followed in order to operate the unit safely.

WARNING

Insert the AC adaptor firmly.

- If the plug is not inserted properly, electric shocks or a fire caused by heat generation may result.
- Do not use a damaged plug or loose power outlet.

Remove the dust or other foreign matter on the AC adaptor periodically.

- If dust or other foreign matter is allowed to build up on the plug, moisture or other factors may lead to defective insulation which, in turn, may cause a fire.
- Disconnect the AC adaptor, and wipe it with a dry cloth.

Stop use immediately and unplug the AC adaptor when there are aberrations or malfunctions.

- Failure to do this may cause smoke generation, fire ignition or electric shock.

<Examples of aberrations or malfunctions>

- Product does not operate when switched on
- Electrical current is conducted or not conducted if the power cord is moved
- Burning smells or strange noises generated while product is being operated
- Product gets misshapen or abnormally hot
- Unplug the power cord, have the product inspected and repaired.

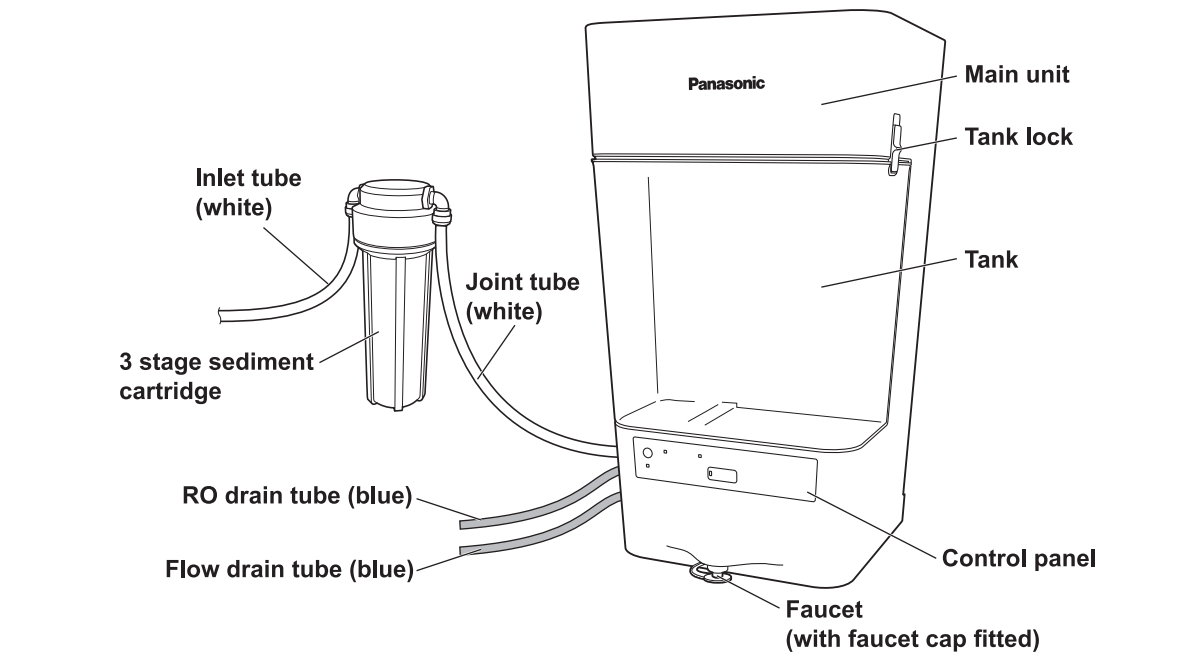
This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

- It may cause burns, injury or electric shock.

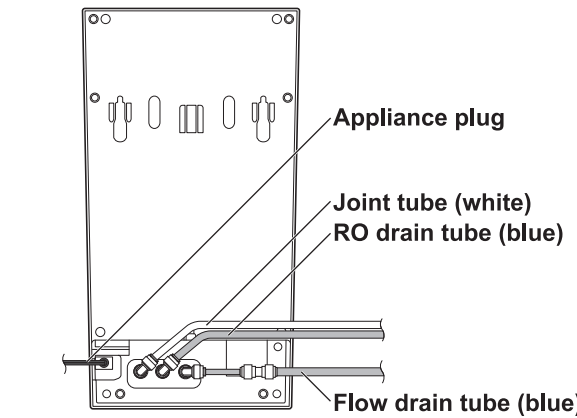
Do not disassemble by yourself or remodel the unit.

- Doing so can lead to a fire and/or electric shocks.

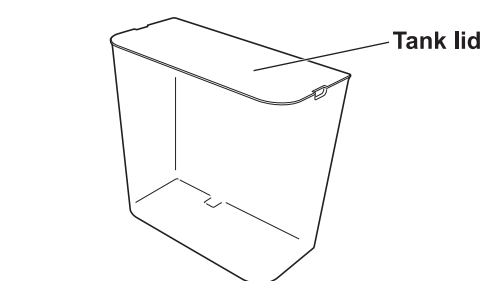
Part names



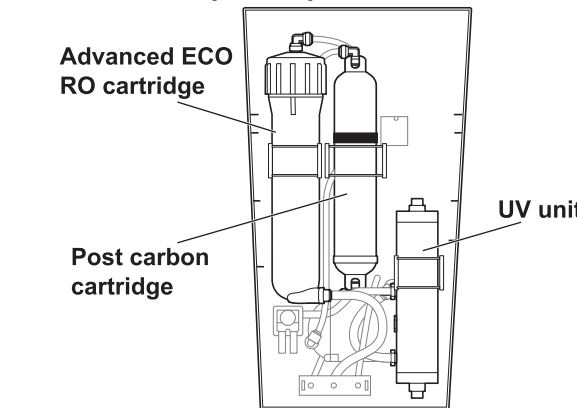
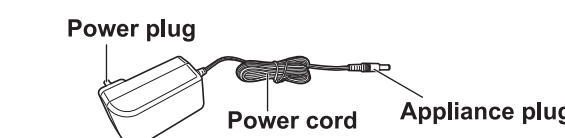
■ Rear



■ Tank



■ Interior (Rear)

■ AC adaptor
(Part number: TK-CS7101)

Do not damage the power cord or AC adaptor in any way by, for instance:

- Using staples () to secure it
- Scratching it
- Re-working it
- Bending it unnaturally
- Twisting it
- Pulling it

- Positioning it too close to a heating appliance

- Placing heavy objects on it

- Bundling it

- Pinching it or sandwiching it

- Standing on it.

- Using a damaged cord or plug can lead to electric shocks, short circuit and/or a fire.

- When disconnecting the AC adaptor from the power outlet, take hold of the moulded part of the plug rather than the cord itself, and pull the plug free.

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

- Do not use the power outlet or wiring device at levels beyond its ratings, and supply only 230 V ±15% AC voltage to the unit.

- If the ratings are exceeded because too many electrical cords have been connected to a single outlet, a fire caused by heat generation may result.

- Do not connect or disconnect the AC adaptor with wet hands.

- Doing so can lead to electric shocks.

- If the unit falls into water by mistake, disconnect its AC adaptor from the power outlet, and take the unit out of the water.

- Touching the unit while it is in water or wet may cause electric shocks.

- Do not allow water above 40 °C in temperature to pass through the unit.

- You may scald yourself if you do so.

- Do not use undrinkable water.

- Doing so can lead to adverse health effects.

CAUTION

- When the unit is not in use, fit the faucet cap. (See page 8.)

- Water left inside the unit may drip.

- When the unit is not in use, close the ball valve. (See page 11.)

- Damage to property may result in the unlikely event of a water leak.

- When storing purified water for future consumption, pour it into a clean sealed container, and consume it within 24 hours if it is kept at room temperature or within 2 days if it is kept in the refrigerator.

- The unit removes sterilizers and disinfectants (such as chlorine) so the water may go bad over time, possibly causing health problems.

- Perform the following when the product is not going to be used for a few days:

- Remove the water from the tank.

- Close the inlet water connection and discharge the purified water through the faucet.

- Always unplug the AC adaptor when removing the tank.

- Water supply will not stop.

- Use the dedicated AC adaptor (part number: TK-CS7101) only.

- Failure to do so may result in fire, electric shock or fire ignition caused by short circuit.

- Do not place the unit on objects that are likely to be troubled by leaking water.

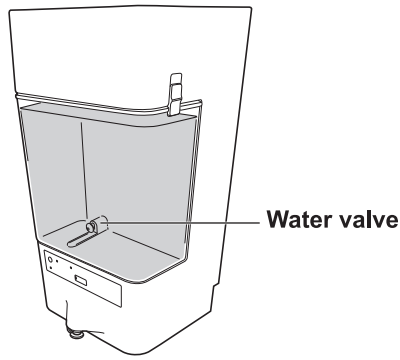
- Damage to property may result in the unlikely event of a water leak.

Control Panel and Functions

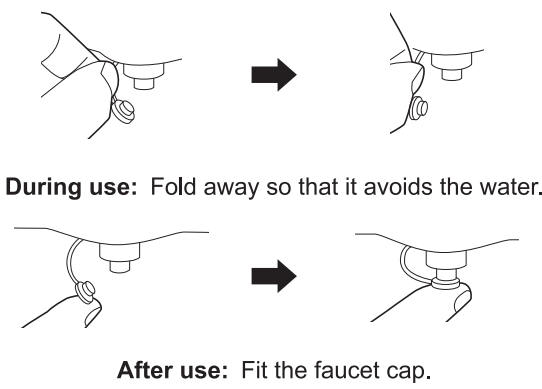
Do not press! This is used by the service dealer for maintenance or repair.	
① Cartridge Life lamp	This indicates the operating life of the filter. <ul style="list-style-type: none">• This will blink when the operating life of the cartridge is nearing its end, and illuminate when it reaches its end.
② UV Error lamp	This will illuminate when there is a problem with the UV lamp. <ul style="list-style-type: none">• This will blink when the operating life of the UV lamp is nearing its end, and illuminate when it reaches its end.• It will also illuminate when there is an error with the UV lamp before its operating life terminates or when the UV lamp is removed.
③ Power lamp	The lamp will illuminate while the power is on.
④ Purified Water button	<ul style="list-style-type: none">• The lamp will blink for 15 seconds after pressing the button, but the water during this period is not ready for drink since the internal part is being sterilised. (Water will not come out for the first 10 seconds. Water will then come out for 5 seconds, but is not suitable to drink.)• When the lamp turns on, the water is ready for use.• To stop the water when it is coming out, press the button again.• Water stops automatically even if the button is not pressed.• If the tank gets empty before the water stops automatically, press the Purified Water button again to stop the water.• To continue to use the unit, press the button again. (In this case, the lamp is on from the beginning and you can use the purified water immediately.)

Operation

Check that there is water in the tank before use.
Water will not flow if the level is below the water valve.



- Please handle the faucet cap with clean hands. Touching it with dirty hands may cause bacteria to adhere to the faucet.
- Fold the faucet cap away before use so that it avoids the water during discharge.



■ Using Purified Water

1. Remove the faucet cap.
2. Press .
 - The lamp flashes.
3. After approximately 15 seconds, the lamp will stop flashing (lamp stays on), and purified water will flow.
(Do not drink water that comes out while the lamp is flashing.)
4. Stop the water by pressing .
 - The water will stop automatically even if the button is not pressed.
5. Fit the faucet cap.

Maintenance (Perform Periodically)

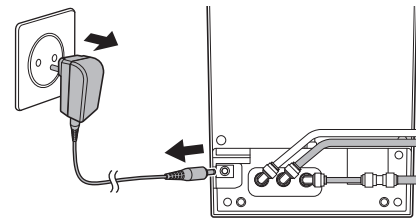
■ Cleaning the Main Unit

- Soak a soft cloth in water, wring it out well, and use it to wipe the units and parts.

■ Cleaning the Tank

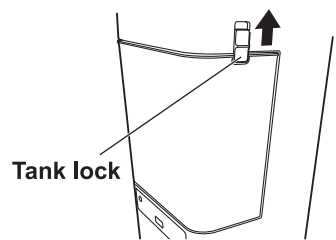
- When inside of the tank gets dirty, clean it using the following procedure.
- Be careful when removing the tank since any water left inside the unit can run out.

1. Press the Purified Water button and drain the water until the tank is empty.
Press the button again and stop the water once the tank is empty.
 - Water is drained from the faucet, so collect it using a pot or something similar and use it to wash the tank.

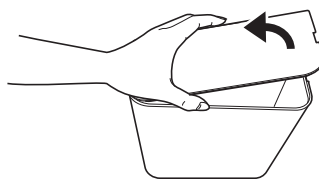


2. Unplug the AC adaptor.

3. Unlock by sliding the tank lock (2 locations) upward.
Slide the tank lock firmly upward.



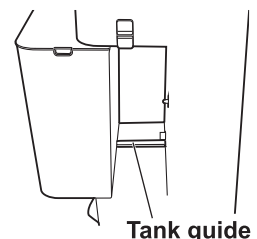
4. Holding both sides of the tank, remove the tank from the main unit by moving it forward.



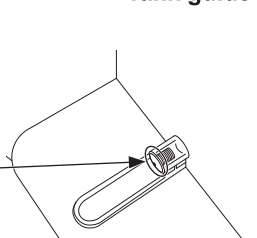
5. Remove the tank lid.

6. Clean inside the tank using a clean cloth and let it dry completely.
*Use the water collected in the pot to clean the tank.

7. Attach the tank lid to the tank.
 - Securely fasten the tank lid (or dust, etc., may get into the tank).



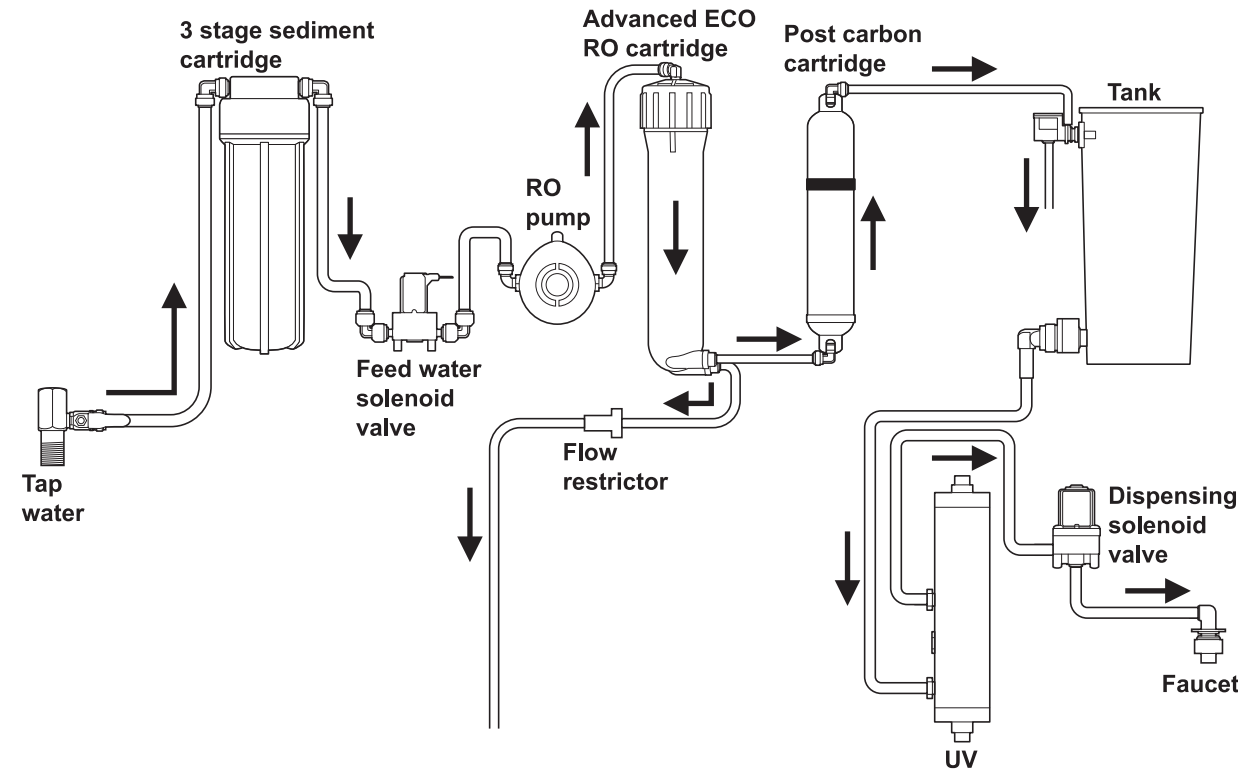
8. Align the tank guide on the main unit with the groove on the tank, and insert the tank all the way into the main unit.
 - Securely insert the tank all the way.



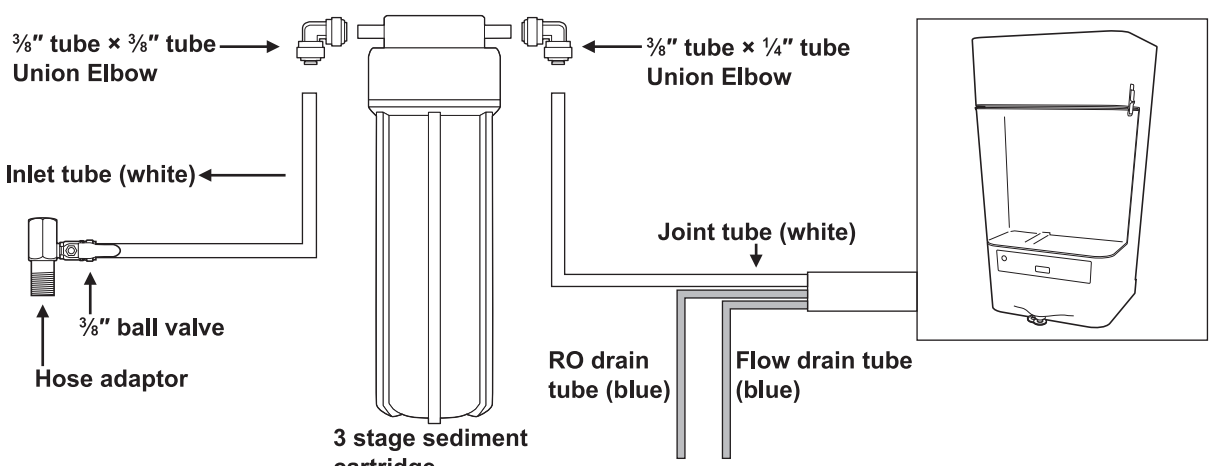
Requests

Do not open or close the water valve, or cause it to become distorted.

Water Flow Diagram



Construction Sketch



NOTE: The illustrations in this manual are for explanation purposes only and may differ from the actual unit. It is subjected to change without notice for future improvement.

Troubleshooting

If you think that something is wrong with the unit, check out the following points before requesting repairs. If you decide that trouble has occurred, do NOT attempt to disassemble and repair the unit by yourself, but contact your service dealer.

Symptom	Cause and remedial action	Page
None of the lamps on the main unit light up.	<ul style="list-style-type: none">• Is there a power failure? → Wait until the power is restored.• Is the power cord plugged in? → Plug in the AC adaptor.	5 6
Tank does not become full.	<ul style="list-style-type: none">• Is the power lamp illuminated? → Check above items.• Has the water supply been cut off? → Wait until the water supply is restored.• Is the tap water valve closed? → Open the tap water valve.• Has the flow at the faucet been reduced too much? → Open up the tap water valve.• Is the faucet cap still fitted? → Remove the faucet cap.• Is the inlet tube or drain tube bent or flattened? → If it is, straighten it out.• Has the Cartridge Life lamp lit? → If it has, replace the cartridge. (Call the service dealer and check the cartridge.)• Cartridge is choked. → Replace the cartridge. (Call the service dealer and check the cartridge.)• When the ambient temperature or water pressure is low, the water supply may stop automatically after specific time has elapsed even if the tank is not full. → Press the "Purified Water" button.	12 5 10 10 8 6 7, 14 14 7
No water is discharged from the unit.	<ul style="list-style-type: none">• Is the power lamp illuminated? → Check above items.• Is the faucet cap still fitted? → Remove the faucet cap.	12 8

Symptom	Cause and remedial action	Page
The water produced by the unit has an odour or unpleasant taste or is turbid.	<ul style="list-style-type: none">• Is the tank dirty? → Clean the tank. (Clean the tank approximately once every 15 days.)• The purified water in the tank might have been kept for a long time. (Has the product not been used for a few days? Is the water in the tank getting old?) → Drain the water, clean the tank and fill fresh water again.• The ability of the cartridge to remove odours, unpleasant tastes and turbidity has deteriorated. → Replace the cartridge. (Call the service dealer and check the cartridge.)• After replacing the Advanced ECO RO cartridge, you may smell a sour smell. (In new Advanced ECO RO cartridges, a preservative fluid is used to maintain the quality of the cartridge.) → The preservative fluid poses no safety risk. However, if you are concerned about the smell, throw away the first tank of water before use.• When the power plug is plugged in, water will come out from the drain tube until the tank is full of water. → This is not a malfunction.	5, 9 5, 9 14 — —
Water comes out from the drain tube (blue tube) on its own.	<ul style="list-style-type: none">• Water is caused to flow out from the drain tube while the water is flowing from the faucet by pressing the Purified Water button. → This is not a malfunction.	—
The Cartridge Life lamp does not illuminate even when it is used for a long period of time.	<ul style="list-style-type: none">• This product calculates the life of the filter from the time the water is purified with the cartridge. Therefore, the time for the lamp to illuminate will differ depending on conditions in the usage environment such as daily water usage, water quality, etc. → This is not a malfunction.	—
The power lamp is blinking.	<ul style="list-style-type: none">• Call the service dealer. (Replacement of the cartridge or repair of the equipment is required.)	14

Specifications

Model No.	TK-CS80
Rating	AC adaptor INPUT: 230 V ~ 50 Hz 1 A OUTPUT: 24 V ~ 1.5 A
Power Consumption	Approx. 45 W (approx. 1 W during standby)
RO pump Voltage	24 V ~
UV Lamp Wattage	11 W
UV Lamp Life	11 000 h *1
Maximum Water Flow *2	1.0 L/min
Inlet Water Temperature	0 °C ~ 40 °C
Inlet Water Pressure	50 kPa to 200 kPa
Purification Capacity	Approx. 9.6 L/h (at 100 kPa water pressure) *3
Rejection of Salts	80 % ~ 90 % (NaCl-500 mg/L, at 100 kPa water pressure) *3
Recovery	25 % ~ 40 % (at 100 kPa water pressure) *3
Cartridge Life	3 Stage Sediment Cartridge : Approx. 4 000 L *3 Advanced ECO RO Cartridge : Approx. 8 000 L *3 Post Carbon Cartridge : Approx. 8 000 L *3
Length of Power Cord	Approx. 2 m
Dimensions	280 (W) × 230 (D) × 485 (H) mm
Weight	Approx. 6.9 kg (full water 13.2 kg)
Storage Capacity	Approx. 6 L

*1 As per lamp manufacturer's specification

*2 The water flow value that represents the capability of the UV unit.

*3 Will differ depending on conditions in the usage environment such as water quality, etc.

Contact Details

- Help Line: Panasonic Customer Care: 1860-425-1860, 1800-103-1333
- Email: helpline@in.panasonic.com
- Panasonic India Private Limited, 6th Floor "SPIC BUILDING" ANNEXE, No. 88, Mount Road, Guindy, Chennai – 600 032

Panasonic India Pvt. Ltd. Certificate of Warranty: Terms and Conditions

1. Panasonic India Pvt. Ltd. having registered office at 6th Floor "SPIC BUILDING" ANNEXE, No. 88, Mount Road, Guindy, Chennai – 600 032, warrants the Water Purifier for **One year** from the date of purchase. This warranty covers only the repairs and does not entitle you for replacement of this product.
2. The customer has to provide original warranty card at the time of using our services. The warranty card should have a legible dealer stamp and date of purchase. In case the dealer stamp is not there or if the same is not legible, customer has to show the purchase receipt, failing which the warranty will not be honored.
3. Warranty takes care of any manufacturing defect or breakdown of the product during warranty period. Panasonic India Pvt. Ltd., hereinafter referred to as "Company", at its sole discretion will repair or replace such parts and defective parts could become the property of the Company. Repair under warranty may also be carried out by any Authorized Service Centre of the Company.
4. Warranty does not cover free replacement of cabinets and styling materials, aesthetic material frames, plastic parts & accessories/consumables such as Post Carbon cartridge, Sediment Filter, Advanced ECO RO cartridge, Water Pipe, External Motor Pump, etc.
5. In the event the Company carries out repairs or replacement of any part during the said warranty period, the warranty shall thereafter continue only for the remaining period of the warranty.
6. This warranty does not cover any form of damage resulting from dust, foreign object, fire, water, input voltage beyond specifications, riot, mishandling, commercial use, lightning, flood or any act of natural and use contrary to the operations specified in the user's manual supplied with the equipment.
7. This warranty is valid only in the country of purchase (India only).
8. The warranty is not valid when the unit is operated with other than Municipal Corporation and Well Water conditions which are above 40°C.
9. Company will not accept any responsibility for damage arising out of unauthorized modification or alteration, precipitates or biological growth, improper maintenance, repair or use of this product or any accessories/attachments other than those specified by the Company.
10. Company will not cover any responsibility for damage or loss arising out of mishandling incurred during transit.
11. The warranty is not valid if serial number of equipment is mutilated, defaced or altered.
12. This warranty does not cover the cost of transportation of the product from the place of installation to the service centre.
13. The Company shall not be liable or be deemed to be in default for any delay or failure in performance resulting directly or indirectly from causes beyond its reasonable control including delay in repairing due to non-availability of any component and/or accessory, labour, problem, restrictions and regulations of the government, public movement, war and any unavoidable circumstances, specially vis-a-vis the import of supplies, sickness/illness due to consumption of drinking water from improperly maintained purifier, and raw material or if the company is otherwise prevented from performing its functions under this warranty.
14. Any defect in the electrical/plumbing installation or wiring/piping at site has to be rectified by the customer as per the recommendation of our engineers.
15. In the event of any difference or dispute arising with reference to the terms and conditions of the warranty or there interpretation, the same shall be referred to a sole arbitrator, who shall be appointed by the Company's Managing Director. The decision of the sole arbitrator shall be final and binding on the parties. Such arbitration proceedings shall be held at Chennai and provision of the Arbitration & Conciliations Act 1996 shall apply to the arbitration proceedings.

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Customer * This coupon is valid for one year from date of purchase of the product. * Each coupon is valid for one service request only. * Cut and hand over coupon to the Authorized Service Representative after completion of one warranty service.	Customer * This coupon is valid for one year from date of purchase of the product. * Each coupon is valid for one service request only. * Cut and hand over coupon to the Authorized Service Representative after completion of one warranty service.	Customer * This coupon is valid for one year from date of purchase of the product. * Each coupon is valid for one service request only. * Cut and hand over coupon to the Authorized Service Representative after completion of one warranty service.	Customer * Installation/Demo Service is the privileged service offered by Panasonic. This coupon is valid for one month from date of purchase of the product. * This coupon is valid for one installation request only. * Cut and hand over coupon to the Authorized Service Representative after completion of the installation/Demo.
Service agent * Fill in all necessary details and obtain customer signature. * Attach the coupon to your service claim job-sheet.	Service agent * Fill in all necessary details and obtain customer signature. * Attach the coupon to your service claim job-sheet.	Service agent * Fill in all necessary details and obtain customer signature. * Attach the coupon to your service claim job-sheet.	Service agent * Fill in all necessary details and obtain customer signature. * Attach the coupon to your service claim job-sheet.