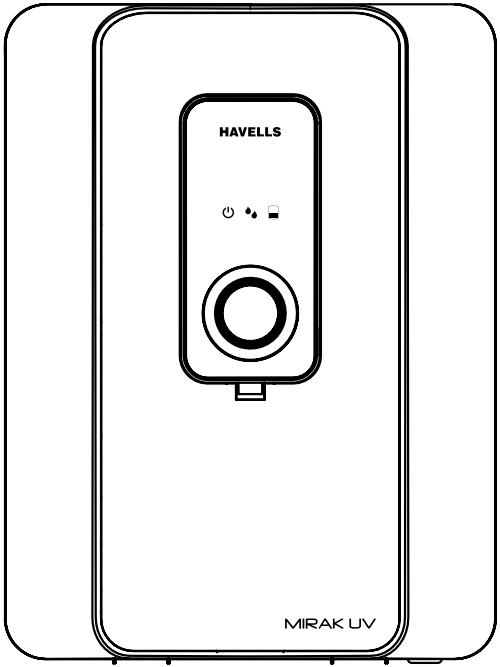
HAVELLS



Water Purifier

User Manual

MIRAK UV

INSTALLATION INSTRUCTION

Open the carton and take out the following items from accessory kit for installation:

1. Diverter valve, 2. Mounting plate with plastic inserts and mounting screws, 3. PL 4 pipe-White.

Select an appropriate water connection point.

Please note water purifier is connected to ambient temperature water supply only. Fix diverter valve with the help of pipe wrench/plumbing equipment's at selected water point.

For wall mounting: Align the mounting plate at appropriate height & fix it with the help of mounting screws. Hang the water purifier on mounting plate.

OR

Place the water purifier on counter top.

Fix the water inlet pipe (white pipe) from diverter valve to the inlet port of water purifier and open the diverter valve. Ensure there is no leakage of water and bending of pipe at any point. Now fix the power cord into a 3 pin socket. Switch on the mains and unit will start working. It is advised to drain the first fill of water tank after installation of the water purifier or after changing the filters. This water can be used for washing, cleaning and other household purpose.

CAUTION: Before installation/mounting:-Flush all filters and UF membrane thoroughly and independently for 3 minutes - 5 minutes to remove fine particles & preservatives present in filters.

Check input water pressure. Use booster pump, if feed water pressure is less than 0.04 MPa (6 psi), if it is more than 0.207 MPa (30 psi) use the PRV (Pressure reducing valve).

If the input water iron content is more than 0.3 mg/L (ppm), use of iron remover is recommended as a pre-treatment. If input water turbidity is more than 5 NTU, use of Pre filter as suggested.

KEY FEATURES OF HAVELLS WATER PURIFIER

A. ABSOLUTE SAFETY WITH DOUBLE PURIFICATION THROUGH UV & UF:

UV & UF Technology gives the benefit of double purification by removing disease causing micro organisms like bacteria, virus & cyst.

B. CONTEMPORARY DESIGN & AESTHETICS:

Futuristic design, superior dual tone colour finish, compact form and functional display panel, compliment your kitchen décor.

C. CONVENIENCE OF COMPACT DESIGN WITH 2 WAY MOUNTING OPTION:

It can be mounted on a straight wall or table top.

D. PURIFICATION PERFORMANCE MONITORING:

System monitors the UV dose for optimum performance always. In the event of intensity dropping below specified level , the system shuts off the flow of water.

TECHNICAL SPECIFICAT IONS	
PARAMETERS	VALUES
Product dimensions (H x D x W) in cm	(48.4 x 36.1 × 24.1) cm
Net weight	≈ 5.7 kg
Flow rate*	Up to 30 L/h max.
Storage Tank capacity	≈ 6 L
Purification technology	Absolute safety with double purification through UV & UF
Ultra filtration membrane	Hydrophilic polysulfone
Purification Stages	04 Stages
Material of construction for plastic components	Food grade
Power rating (max)	25 W
Input voltage range	230 V, 1 Phase AC, 50 Hz
UV column disinfection efficacy	6, 4, 3 Log reduction of bacteria, viruses & cysts
Water dispensing	Manual with jog dial
Installation Type	2 Ways-Straight wall mount & Table top

RECOMMENDED FEED WATER QUALITY	
PARAMETERS	LIMITS
Total dissolved solids	Up to 300 mg/L (ppm)
Turbidity **	Up to 5 NTU
Feed water pressure***	0.04 MPa (6 psi) - 0.207 MPa (30 psi)
Feed water temperature	5 °C - 45 °C
Iron ****	Less than 0.3 mg/L (ppm)
Free chlorine	Less than 0.2 mg/L (ppm)

*Flow Rate may vary depending upon feed water quality, input water pressure, condition of UF membrane & cartridges

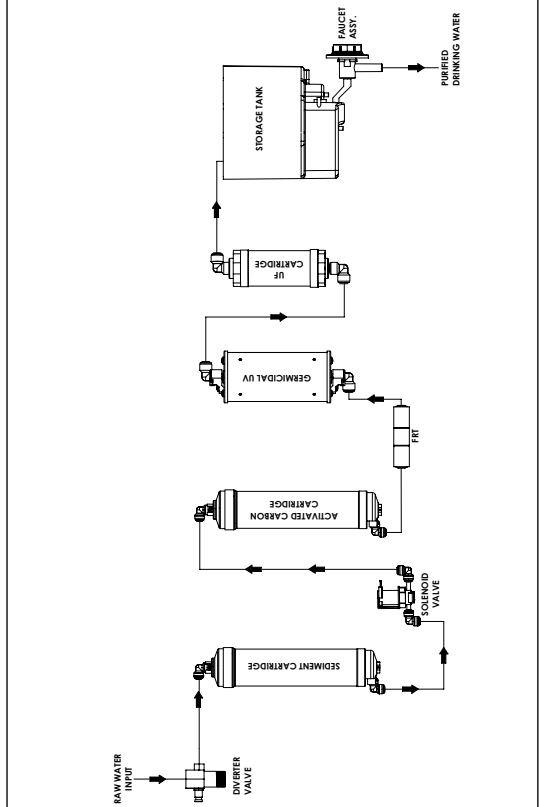
**In case, input turbidity is more than 5 NTU, you need to install pre filter at an additional cost.

***In case, input water pressure goes below 0.04 MPa (6 psi), you need to install external booster pump and if pressure is above 0.207 MPa (30 psi), you need to install pressure reducing valve at an additional cost

****In case, the Iron content in input water is more than 0.3 mg/L (ppm), you need to install IRON X at an additional cost.

#The chemical preservative used in the UF membrane is of food grade quality.

WATER FLOW DIAGRAM - MIRAK UV



DO'S, DON'TS & SAFETY INSTRUCTIONS

DO'S

- Always install the water purifier in a cool, dry and well ventilated place in upright position.
- Proper earthing should be there in the electrical point.
- Drain the storage tank, if the purifier is not in use for more than 2 days.
- Keep the tank lid closed properly to avoid contamination of water due to exposure to dust, dirt or insects.
- To keep your purifier functioning properly at all times, always use Havells genuine spare parts.
- Call only Havells customer care for any assistance and service requirement.
- Keep the purifier in power on mode to ensure water availability at all times, it is safe & consumes less power in a day.
- If for any reason you are not going to use the water purifier for a long time, for e.g. during a holiday, then make sure that you disconnect the power supply, turn off the input water supply and drain the storage tank.
- Do not remove plug from back flush port.

DON'TS

- Never allow hot water to pass in your water purifier as it is designed to work effectively between input water supply of temperature range between 5 °C to 45 °C
- Never place any heavy, sharp or wet objects on the purifier.
- Do not operate any electrical appliance with wet hands or while standing in water.
- Do not make modifications to a cord's plug at any time.
- Do not fix or try to repair any component parts. If you find any wrong in your Water Purifier, Please call Havells Service to attend the machine for preventive maintenance.
- Do not buy local spare parts and components during service or replacement in case of a breakdown.
- Do not install product in direct sunlight.

SAFETY INSTRUCTIONS

Havells Water Purifier is designed keeping in mind the highest safety standards, but there are certain safety precautions that need to be followed while using the product for its proper functioning.

- Do not move or relocate the purifier when it's running.
- To avoid electric shock, do not pull out or touch the power plug with wet hands.
- Do not use the water purifier if the power cord is damaged or if there's a strange noise, burning smell or smoke. Quickly switch off the power, unplug the cord and call Havells Customer Care.
- Don't open the purifier yourself to clean the cartridges or to replace any parts.
- 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.
- 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.
- Never use the discarded water from the purifier tube for drinking. However it can be used for cleaning, washing, mopping, gardening etc.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved
- Children shall not play with the appliance
- Cleaning and user maintenance shall not be made by children without supervision

TROUBLESHOOTING

	PROBLEMS	CHECKS	SOLUTIONS
Before calling customer care or service engineer, check the following points: 1. Power supply should be ON 2. Inlet water supply should have sufficient pressure/Waterflow	Purified Water taste is bad or unusual	1. Is the tank clean? 2. Is purified water being stored in the tank for a long time? 3. Is the Cartridge replacement due as per the service requirement?	1. Clean the storage tank. 2. Discard the water stored in tank and clean the tank before starting the purification process again. 3. Contact Havells Customer Care to request for the cartridge replacement.
	Filtration time is very long/short or filtration has stopped/too much water is being purified.	1. Is the tap valve open properly? 2. Is water pressure below recommended value? 3. One or more Cartridges may have been clogged or damaged.	1. Open the water inlet valve completely. 2. Contact Havells Customer Care to get the pressure checked and get it resolved. 3. Contact Havells Customer Care to get the cartridges replaced.
	Water leakage in any part.	Check if water is coming out from storage tank of the purifier or some other pipe.	Close the water inlet valve, unplug the power cord and then contact Havells Customer Care for a check-up of the product and get it rectified.

WARRANTY TERMS AND CONDITIONS

Havells India Ltd (HIL) offers limited warranty for this water purifier against defect arising from faulty design, workmanship and material subject to the following terms and conditions:

1. All electric and functional parts are covered under warranty for 1 year from the date of purchase.
2. Consumables including sediment filter, activated carbon cartridge, and UF membrane are not covered under warranty.
3. All consumables Havells branded embedded foil (as per Recommendation & important instruction mentioned in content no.9)
4. Havells India Limited will offer two preventive maintenance checkups during this one year term of warranty. Only Havells India Limited authorized service personnel will carry out repairs under warranty.
5. Consumers shall promptly notify the company about any defect noticed and give the company or authorized personnel/representative adequate opportunity to inspect, test and rectify the defect.
6. The company or its representatives are entitled to retain the damaged or defective parts replaced under warranty on free charge basis.
7. The company's liability under warranty will be limited only to the concerned product and its defect, which occur under conditions of normal operations in home application, under proper usage and maintenance. It excludes any defect caused due to faulty care, maintenance, repair and alteration to the product or to its part by unauthorized personnel.
8. It is mandatory to provide original bill/invoice copy along with duly stamped warranty card at the time of any repair work being done by authorized representative.
9. This warranty is confined to the first purchase of the product only and is not transferable.

10. In the event of repair during the warranty period of the purifier, this warranty will thereafter continue and remain in force only for the unexpired period of the warranty. Replacement of part would be purely at the discretion of Havells India Limited, the same part will be replaced with the part model of price equivalent at the time of purchase.
11. The consumer will have no claim under this warranty in an event of any illness, sickness, death, personal injury, property or consequential damages arising either directly or indirectly due to utilization of product. Authorised Service Personnel will carry out repair under warranty)
12. Warranty is not applicable and will be void under the following heads/ circumstances:
    a. If the warranty card presented to authorized service personnel at the time of service of the product is not duly filled and stamped by the dealer.
    b. If the product is not operated or handled as per instruction given in the operating instruction booklet.
    c. If the device is not installed in proper procedure specified.
    d. If any defect caused due to improper electric circuit outside the device in the house or any defective electric supply.
    e. If installation and any repair work is carried out by an unauthorized personnel and usage of consumables and parts by unauthorized personnel. (only Havells India Limited Authorised Service Personnel will carry out repair under warranty)
    f. If any damage caused due to transportation or shifting post installation from consumer's home.
    g. If 12 months have expired from the date of purchase even though the device is not in use for anytime during
    h. If the damage is caused by pest infestation.
    i. If product/item is not installed by company technician/ Authorised Personnel
    j. If Havells water purifier is used for any purpose other than for home application purpose (not to be used for commercial purposes)
    k. If damage to the product is caused by accidents, pests and vermin, lightning, wind, fire, floods, or acts of God
    l. If any additional accessories were provided on the time of installation/service, the same will not be covered under standard product warranty.
    m. If any external accessories supplied by the dealer.
13. Warranty does not cover visitation charges of service technician if this water purifier is installed beyond municipal limits of the city in which company's Authorized Service Center is situated/located. All expenses incurred in collecting the units or parts thereof from the company's authorized service center as well asexpenses incurred from deputizing service personnel/technicians for conveyance and other incidentals, etc., shall be borne by the customer. Local charges for transportation and handling charges may vary by location. Customers are advised to verify in advance the forementioned charges. If the customer wishes to bring the unit on his/her own to an authorized service center, such shall be at his/her own risks & consequences.
14. Reinstallation or uninstallation of product based on customer demand and packing material, if used, will be chargeable.
15. Warranty will not cover transportation cost in case customer is moving the product to another location.
16. In case of any unpredicted situation and non -availability of spares, prevailing depreciation policy of Havells India Limited (subject to the sole discretion of Havells India Limited, may be changed without prior notice) will be applied to the product as a solution.
17. Settlement of all claims and disputes arising out of and in relation to this water purifier shall be subject to Delhi jurisdiction only.
18. Warranty does not cover defects arising due to causes beyond control like lightening, abnormal voltage, acts of god.
19. The company or its Authorized Service Center reserves the right to retain any part or component replaced at its discretion in case of a defect Discovered in the equipment during the warranty period.
20. The warranty is valid within India only.

CLEANING AND MAINTEN ANCE

- Storage Tank of this product must be * periodically cleaned (at least once in 6 months, during Preventive service) by use of 4-5 drops of disinfectant like hypochlorite solution to water purifier tank (tank full), keep it for 15 minutes. Discard the disinfectant water and the first fill of water tank completely through water dispensing tap.

  * As per customer need.
- Use a wet cloth to clean the external body of the purifier. Do not use detergent or soap.
- Avoid excessive rubbing of the decorative part of the purifier while cleaning as it may lead to scratches or loss of shine of the purifier.
- Make sure you switch off the power supply and diverter valve whenever you're out of home for a long time.
- Do not try to open or tamper the purifier yourself if you observe any problem. Kindly contact Havells Customer Care to resolve the issue. Water purifier should be examined by Havells trained service engineer only at all times.
- Do not clean the water purifier or spillage of water on it, while the purification process is on.

RECOMMENDATIONS AND IMPORTANT INSTRUCTIONS

Recommended Cartridge Replacement:

Sediment filter, activated carbon cartridge, and UF membrane need to be replaced after 1 year of installation or dispensing 6000 litre* of purified water, whichever is earlier.

Germicidal UV Column:

UV LAMP needs to be replaced after 5000 burning hours or based on service requirement.

Note: Please read the warranty details and their terms and conditions for replacement requirement of individual cartridges.

*May vary depending on the feed water quality.

220825/V1

Diagrams or figures in this document are for illustration purposes only.

Copyright Subsists. Imitation of trade dress, graphics and color scheme of this document is a punishable offence.

Actual products may vary in colour, design, description and colour combination etc. Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication. Specifications & performance data are constantly changing.

Havells India Ltd.
QRG Tower, 2D, Sector-126, Expressway, Noida - 201304. U.P.
E-mail: customercare@havells.com, Website: www.havells.com
Customer Care No.: 08045 77 1313, WhatsApp No.: +91-9711773333
Join us on Facebook at www.facebook.com/havells & share your ways to save the planet!

CARE360
ASSURANCE • REACH • EFFICIENCY

FUNCTIONS OF SMART INDICATORS:

SELF-DIAGNOSTIC MODE:

When machine is switched - ON the power indicator will glow solid & same time purification process indicator will also glow solid for 30 seconds. During this period the water present in UV column will get disinfected. After 30 seconds the purification process will start & purification process indicator will blink till the tank is full.

PURIFICATION PROCESS INDICATOR:

Purification process indicator blinks continuously when the purification is on. It will disappear once purification process stop.

TANK FULL INDICATOR:

Tank Full Indicator glows solid when the tank is full.

ERROR INDICATIONS:

In the event of failure of SV, power indicator will start blinking with 1 beep buzzer sound. If UV intensity is less than adequate for disinfection of water, power indicator will start blinking with 2 beep buzzer sound. System will shut off in both the cases to deliver you the promise of safe water or no water.

WARRANTY CARD HAVELLS WATER PURIFIER

Customer Name ----------

Customer Address ----------

Customer Phone Number ----------

Pin Code ----------

Date of Purchase ----------

Dealer's Name & Address ----------

Phone Number ----------

Dealer's Stamp: ----------

Product Model : ----------

Product Serial No. ----------

Note: This warranty card is valid only for products sold by Havells India Limited in Indian market.
This warranty is not transferable and is applicable to the original purchaser only.

Fill out this record and keep it together with your purchase docket in a safe place.
Should you require service under the terms of this warranty, please contact us.