

PREMIUM PLUS

ChungHo Nais Water Purifier with Chiller

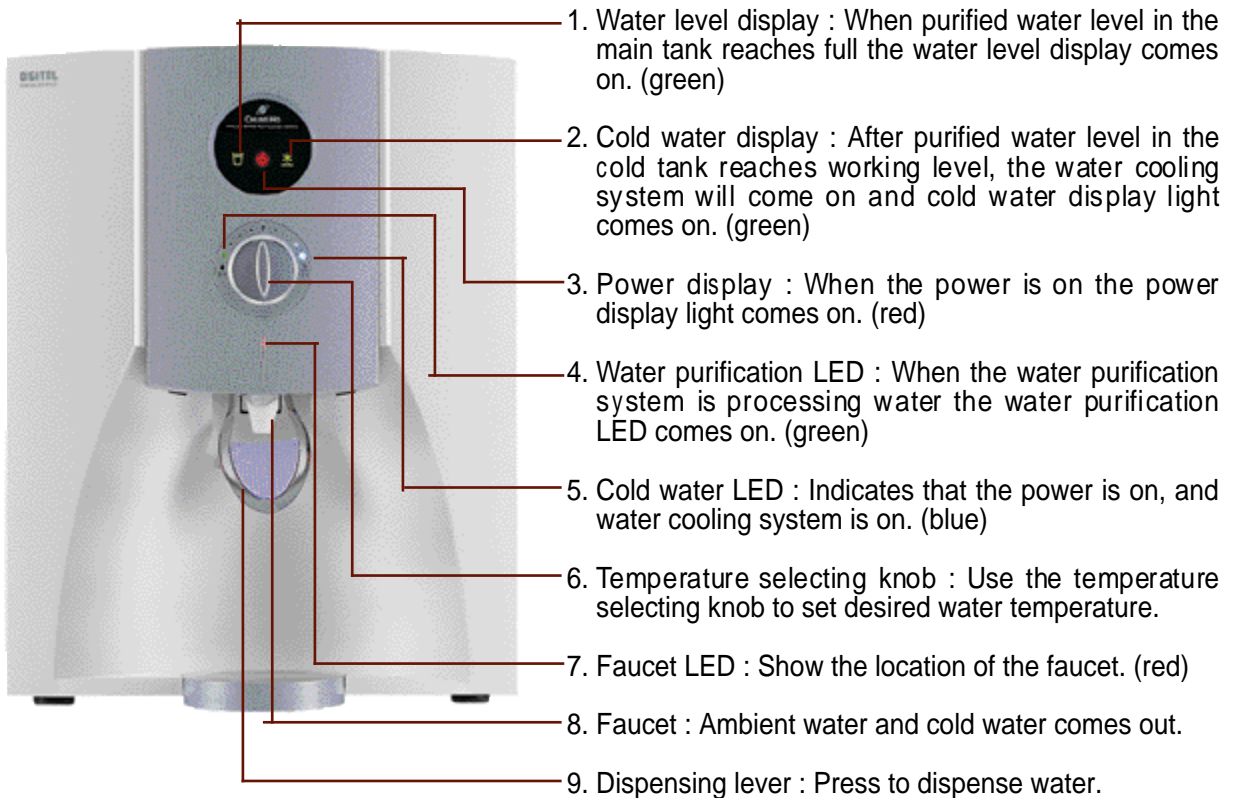
User's Manual



ChungHo Nais Co., Ltd.

<http://www.chungho.co.kr>

Part names

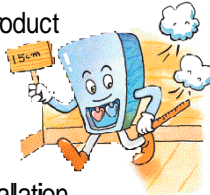


Product Specifications

Product name	ChungHo water purifier with chiller	Cold water temperature control	THERMOSTAT
Model name	PREMIUM PLUS	Compressor	1/12 HP
Size	360W × 501D × 450H (mm)	Condensing type	WIRE CONDENSER TYPE
Weight	27.5kg	Voltage	AC220~240V/50 Hz
Power consumption	105W	Power cord	2.0M
Coolant	R -134 a	Compared to early products, there might be subtle changes in design as to improve performance of products.	
Main tank capacity	6 Liters		
Cold tank capacity	1.8 Liters(SUS 304)		
UV(ultraviolet) filter	4W		

Dos and Don'ts when installing

- ❖ When installing the product, avoid places areas of excessive heat, flammables, places affected by humidity, direct sunlight, temperatures below the freezing , or areas outside where it might be exposed to snow or rain.
- ❖ Do not tilt the product more than 45° when carrying.
Excessive tilt could cause malfunction in cooling.
- ❖ This product is for AC 220 ~ 240V. Please use the AC 220V electrical supply.
- ❖ Fault electric outlets or plugs can cause electric shock or a fire. Please do not use.
- ❖ Wait 30 minutes before supplying power after moving.
- ❖ Allow 15cm space from the rear of the product to the wall for ventilation.
- ❖ When reconnecting the power supply, please wait 5 minutes before start.
- ❖ Clean the surrounding areas prior to installation.
- ❖ Do not connect the product to hot water tap (over 30 °C).

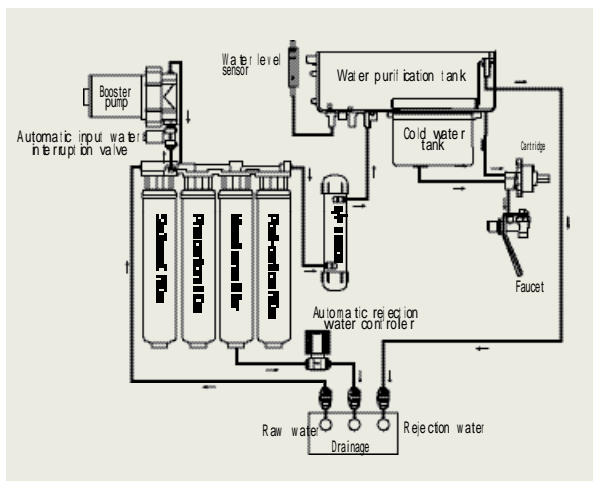


Warning : If the supply cord damaged, it must be replaced by the manufacturer or it's service agent or a similarly qualified person in order to avoid a hazard.

Characteristics and functions of filters

1. **Sediment filter:** The sediment filter which removes particles and pollutants over 5 µm from the water. This helps to extend the life of the membrane filter.
2. **Pre-carbon filter :** The Pre-carbon filter which is made from high-temperature processed carbon collects chlorine, THMs and organic chemical contaminant's by a process called adsorption. By removing them, the filter protects and helps membrane filter to function properly.
3. **Membrane filter :** Dissolved pollutants (with molecular weights exceeding 200 such as heavy metals, bacteria and chemical contaminant's) are removed and separated via micro-filtration semi-permeable membrane (0.0001 µm pore). Filtered pollutants are sent to the drain.
4. **Post-carbon filter :** This high quality carbon filter removes gases and unpleasant odors dissolved in the purified water, bringing back unique taste of natural water.
5. **UV (ultraviolet) filter :** This filter sterilizes microorganisms such as bacteria which may be present in the source water using with UV rays for sterilization.

Water purification system



How to install

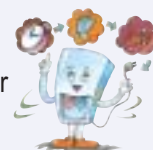
1. Place the product on a solid, flat floor.
2. Connect an adaptor to the tap water valve.
(With the raw water valve closed)
3. Connect the raw water (INLET), drainage (DRAIN), rejection (BRINE) tubing of the purifier.
4. Supply raw water by opening the raw water valve.
5. Connect the product to the power supply.
(AC 220~240V)
6. The display lamp of the purifier will come on and purification process will start.
7. Drink water from the purifier after a while when water flows into the storage tank.

How to use & Precautions

- ▶ Plug in the purifier 30 minutes after installation.
- ▶ After installation, check whether water comes out properly by pressing the faucet lever after turning the selection switch to the cold water position(blue light, 30 minutes after turning on the purifier).
- ▶ Do not move the purifier while in operation.
- ▶ Avoid severe percussion to the purifier.
- ▶ Change filters on time to always have clean drinking water.
- ▶ In case water is not coming out for a long period of time, it may be due to an interruption of the input water or the purifier is not functioning properly. Check if raw water is supplied or the purifier produces water properly.
- ▶ Clean inside the storage tank with a tender cloth more than once in two weeks.
- ▶ In the case of not using the purifier for a long period
 - Unplug the purifier and close the tap water valve.
 - Drain out remaining water in the cold and purified water tanks.
 (Still water in the tanks might be the cause of decomposition if left for a long period of time.)
 - When using again, follow the same steps as in installation.



- ▶ Do not use chemicals (the inflammables, organic solvents, etc.) for cleaning the system.
- ▶ The ratio of the purified and rejection water is one to two.
- ▶ Amount of time needed for the purifier to reach set temperature while in operation might differ greatly depending on the environment (temperature, humidity and raw water).
- ▶ We do not warrant problems that are a result of unauthorized service.
- ▶ The purifier is best suit to the following conditions:
 - Water pressure:7~120psi (0.5kgf/cm²~8.4kgf/cm²)
 - Water temperature:4℃~38℃
 - pH:5~10
 - TDS:below 500ppm
 - Water quality: Biologically secure water



- ※ Please consult your local distributor service centers when the above conditions do not fit in with you.
- ※ If you do not comply with the conditions described above without consultation, you will be excluded from a free warranty period.

When to change filters

1. Sediment filter : every 6 months
2. Pre-carbon filter: every 12 months
3. Post-carbon filter : every 18 months
4. Membrane filter : every 24 months
5. UV filter : every 8 months (change lamps after checking)

- ※ These are not warranty periods but an ideal time to change filters.
- ※ Changing filters on time allows you to have fresh, clean drinking water.
- ※ Filter life cycles described above are just an estimate and could be shortened depending on water quality, water pressure, temperature and season (summer, winter)



Troubleshooting

Symptoms	Confirmation	Measures
Water purification does not function properly.	Power plug of the product may not be connected properly.	Connect the power plug properly.
	Raw water supply may be suspended.	Wait until raw water is supplied.
Water cooler does not function properly.	Is the cold water displayer on?	Connect the power plug to the electric outlet.