



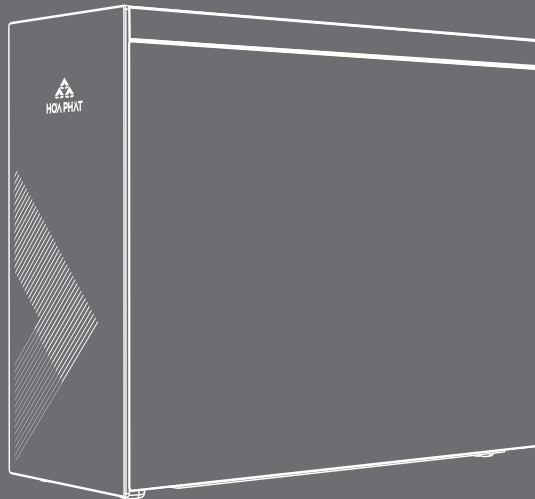
**11 powerful filtration cores**  
Quick-replace molded cores for convenience



**SLIM design**  
Compact and elegant



**HYDROGEN enrichment and mineral supplementation**



# INSTRUCTIONS FOR USE

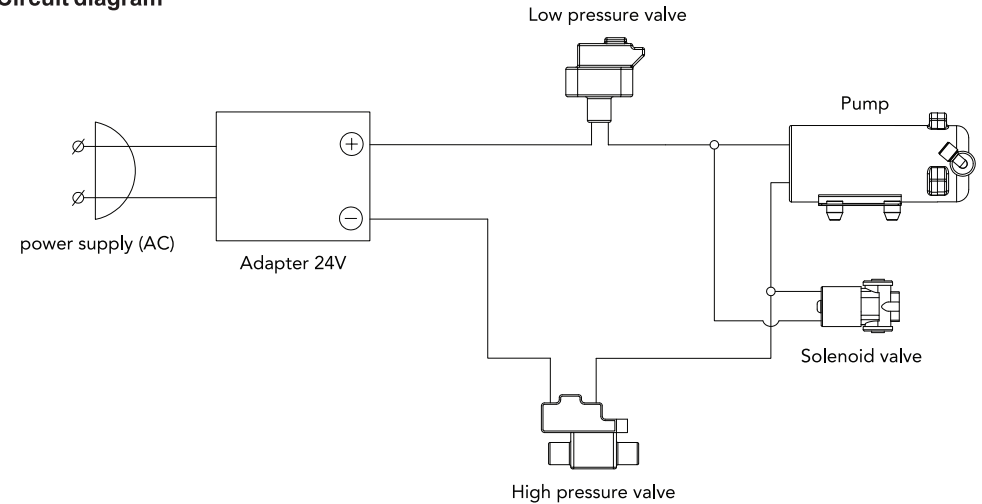
**Hoa Phat Undersink RO Water Purifier**  
Model: HPU488



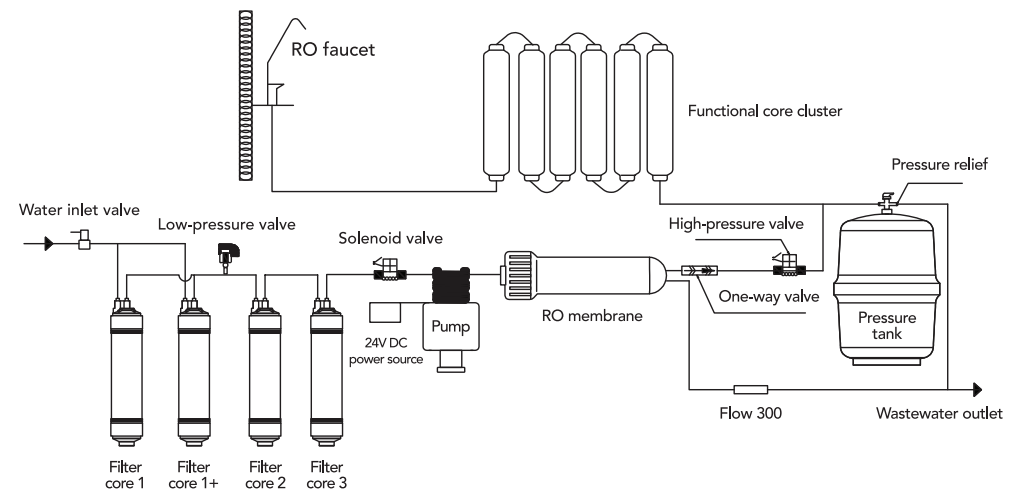
## TECHNICAL SPECIFICATIONS

Product Name	Hoa Phat Undersink RO Water Purifier HPU488
Filter flow	15 L/h
RO membrane	RO 75 GPD
Filter performance	50 - 55 % (lab conditions, temperature 25°C)
Voltage	220 V/ 50 Hz
Min/max pressure	10 - 125 psi (0,7 - 8,6 bar)

## Circuit diagram



## RO WATER PIPING DIAGRAM 4 CORE CAST SOLID



## INSTRUCTIONS FOR USE

### WARNING

- This product is not intended for use by persons with reduced physical, sensory or mental capabilities, 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.
- Do not operate the equipment if any abnormality or damage occurs.
- If the power cord is damaged, it must be replaced with genuine parts through an authorized dealer of Hoa Phat Home Appliances or a qualified employee to avoid unwanted damage.

### MACHINE ACCESSORIES

1. Water inlet valve
2. Pressure tank
3. Water inlet and RO water lines (3/8,1/4 inch)
4. Waste water line (1/4 inch)
5. Faucet
6. Pressure tank relief valve
7. Straight

### RECOMMENDATIONS AND INSTRUCTIONS FOR SAFE USE

- Water supplied to the machine meets QCVN 02:2009/BYT to ensure the best quality of filtered water;
- For special water sources such as water contaminated with limestone, salt, or alum, a specialized rough filter core should be used;
- Water temperature entering the machine must not exceed 40°C;
- Check the connectors, make sure they are sturdy, not easy to slip, do not leak, and are not broken.
- During the use of the machine, it is necessary to check and replace the filter cores according to the parameters on the core label to ensure the output water quality according to QCVN 6-1:2010/BYT (Time may vary depending on the source water quality and frequency of machine use).
- Use the correct voltage source according to the machine's specifications (220V/50Hz)
- Check the power outlet plug before use
- Do not handle the plug with wet hands.
- Disconnect power when checking, repairing or replacing filter core.

### INSTALLATION INSTRUCTIONS

#### • Step 1: Connect the water line

Install the water supply valve, connect the water pipe to the valve (use the 3/8" water supply pipe included with the machine), tighten to avoid loosening or leakage.

#### • Step 2: Flush filter errors 1,2,3

Unscrew the quick-connect corner elbow of the RO core shell, plug in the 1/4" pipe that comes with the machine to drain the water after rinsing.

Flushing time is 20-30 minutes, plug the connector back into the RO core shell after flushing is complete.

#### • Step 3: Connect the wastewater line.

Connect the pipes to the connection ports according to the instructions on the machine body.

#### • Step 4. Connect the RO line to the pressure tank

Install the pressure tank shut-off valve (tighten the shut-off valve enough to avoid leakage and breakage), plug the small 1/4 white RO wire into the IN end (short end), plug the small 1/4 yellow RO wire into the discharge end (long end, insert the red fitting). Open the pressure tank shut-off valve

#### • Step 5: Install the faucet

Install the faucet in the position of use, plug in the straight elbow, connect to the machine with a small 1/4 RO wire.

#### • Step 6: Flush the filter system

Connect the power source, turn on the water source. The machine operates until the pressure tank is full and then stops. Turn off the power source. Turn on the water tap to flush the entire filter core system until the water in the pressure tank is empty. Repeat the above operation 4-5 times or until the water at the tap is clear and there is no more carbon dust.

#### • Step 7: Cleaning

Check the entire system to make sure there are no water leaks. Clean and dry.

**\*\*Note: The water divider valve must be fully wrapped with tape, the RO wire must be fully plugged in and the green elbow must be fully installed to avoid loosening and leakage.**

**Note: The RO core is pre-installed in the RO cup and has a guarantee label. The core system and the number of filter cores are arranged depending on each product code.**

### COMMON ERRORS AND HOW TO FIX THEM

COMMON ERRORS	REASON	HOW TO FIX
Machine not working	Wrong power source	Check the power source to ensure it is 220V/50Hz.
	Power cord broken	Replace the power cord
The water is cloudy.	Not flushing or not flushing the filter system thoroughly before use	Re-flush the machine's filter system.
	A lot of air dissolved in the water as it flows through the filter cores.	Use continuously for the first week, this phenomenon gradually disappears.
The water has a strange smell.	Pressure tank or RO membrane punctured due to corrosion	Check and replace pressure tank, membrane housing or RO membrane
Slow filtration	Low water pressure slows down the previous filtration process.	Check the plumbing system again
	Filter used too long without replacement	Replace filter cartridges at recommended
Water leak	Non-sealed equipment installation	Check the connection and assembly positions
Too little wastewater flow	Flow valve adhesion	Clean or replace Flow valve
Too much wastewater flow	Input water source contains many impurities	Check the water source again.
Strange, unusual noises	The machine installation location is not flat.	Place the machine on a flat, stable surface.
Sound in the faucet	The faucet is clogged.	Clean the remaining residue in the faucet
Pump not running	Power not connected	Check power source, high and low pressure valve
	Non-contact carbon brushes	Clean the pump commutator, carbon brushes.
	Broken power plug	Plug the power plug back in.
	Forgot to open the valve	Unlock the water source valve
The pump intermittent noise	The source water is not strong enough, the filter is clogged, and the water pressure is not enough.	Check the water source or install a pressure pump to support the input water, replace the coarse filter. If necessary, close the low pressure switch.
Engine running under pressure	The power source is weak and not provide enough to the pump.	Measure the current of the power supply, replace the power supply if necessary.
	Foreign object in pump head	Check valve blades or gaskets at pump head
The machine runs without stopping.	High pressure valve failure	Adjust or replace high pressure valve
	RO membrane clogged so there is not enough clean water. Water Leak	Replace RO membrane
		Check the system again
Water in low pressure tank	Low pressure in the tank	Increase pressure to about 5 - 6 PSI
No pure water and wastewater flow out	The solenoid valve does not open.	Check power to solenoid valve and coil. Replace coil if damaged.
	Blockage of one of the functional	Replace clogged core
	cores Pressure tank loss of steam	Inflate or replace pressure tank
	Clogged faucet or bent pipe	Check and fix

### NOISE WARNING

When the machine is running, the pump will make a slight noise and vibration (hum, vibration of the machine frame, water flow sound... ≤ 55 dB) especially right after plugging in. This is a normal phenomenon due to the pump, operating components and water flow in the system.

It is recommended that customers do not place the machine near a resting area or in a quiet space.