



Hommix hydRO

800GPD UNDER SINK DIRECT FLOW
REVERSE OSMOSIS SYSTEM

INSTALLATION & MAINTENANCE MANUAL V1.1

Prior to proceeding with installation, we strongly recommend a thorough review of this manual.



Contents

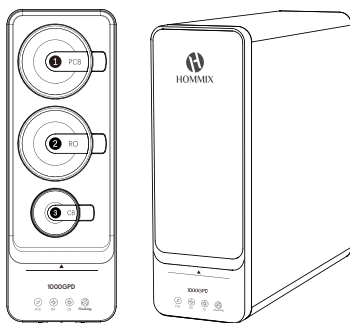
Please keep this document handy for future maintenance and problem-solving needs.

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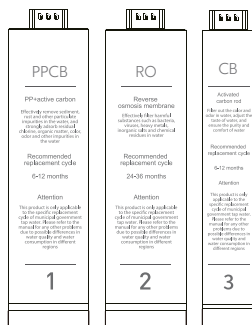


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1. PACKAGE CONTENTS



1 x Hommix hydRO
(With Cover)



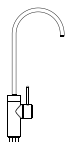
3 x Filters (pre-installed)

1. PPCB (Sediment + Carbon)
2. RO Membrane (800GPD)
3. CB (Carbon)
4. Biocera / Alkaline (Optional)

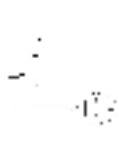
1.1. Accessories & Parts



Stoppers and Key
here



1 x Filter Tap



1 x Adapter



1 x Water Feed Inlet Valve
(1/2" BSP - 1/4" Push Fit)



2 x 3/8" Push Fit Elbow
Connectors
1 x 1/4" Push Fit Elbow
Connectors



Small pack of 3/8"
and 1/4" Push Fit
Security Clips

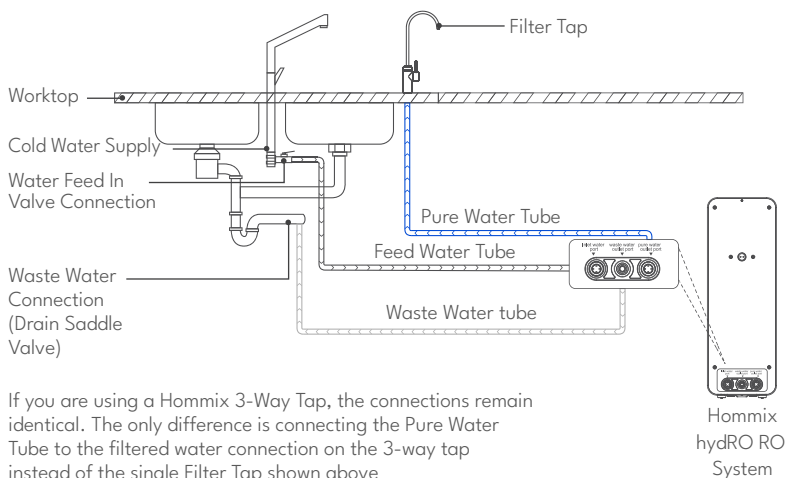


1m of 1/4" LLDPE
Tubing
2m of 3/8" LLDPE
Tubing



Drain Saddle Valve
(32mm - 40mm Pipe
- 1/4" Push Fit)

2. INSTALLATION DIAGRAM



3. FILTERS EXPLAINED

Filter Title	Filter Element	Filter Purpose	Recommended Replacement period
PPCB	Sediment + Carbon	Efficient removal of sediment, rust, particles, and other impurities, along with strong adsorption of residual chlorine, organic matter, colour, odour, and other water contaminants.	12 Months
RO	Reverse Osmosis Membrane	Effective filtration of bacteria, viruses, heavy metals, inorganic salts and chemical residues and other harmful substances in water.	24-36 Months
CB	Activated Carbon	Filtering the water to remove odour while enhancing the taste. For remineralising, you can opt in for an additional alkaline / Biocera filter.	12 Months

Note: The lifespan of the filters varies based on location, water quality, season, and usage. Therefore, the suggested replacement cycle is only a guideline. The device will notify you when it's time to replace the relevant filter.

4. INSTALLATION

4.1. Pre-Installation Advice

Prior to commencing the installation process, please take the following precautions:

1. Confirm the presence of all parts within the package.
2. Ensure the availability of a suitable installation location equipped with:
 - A drain pipe
 - A 1/2" BSP cold water connection
 - Sufficient space for the filter tap (unless a Hommix 3-Way tap is being used).

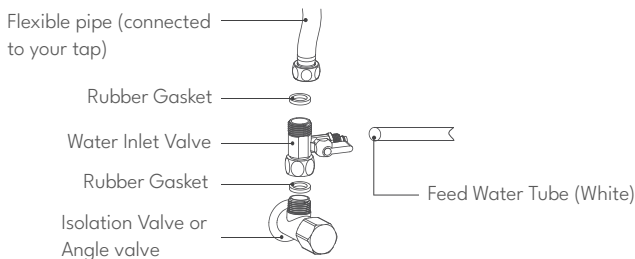
4.2. Requirements for Installation Environment

1. The product installation necessitates access to a municipal water pipeline interface (tap water).
2. The installation area should maintain cleanliness and hygiene, free from pollution and dampness. It should also be devoid of inflammable, explosive, and electrical equipment, and shielded from rain, indoors only.
3. Prior to installation, it is imperative to shut off all water sources to prevent any potential water leakage.
4. Please ensure the designated position and ample space for the entire machine and allocate a UK 3-pin socket panel for power supply.

Note: Exercise utmost caution regarding personal safety when using drilling tools. Verify that there are no concealed water, electrical, or gas pipes at the drilling point.

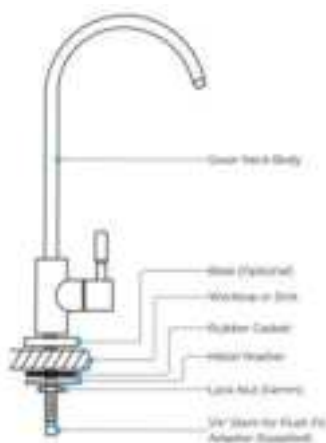
4.3. Installing the Water Inlet Valve

1. Turn-off the cold water supply.
2. Disconnect the flexible hose from the cold water isolation valve.
3. Secure the female connection of the water inlet valve to the isolation valve (hand tightening may be enough but feel free to use a wrench to tighten it further)
4. Connect the flexible pipe to the water inlet valve.
5. Connect the white 3/8" tube to the push-fit connection.
6. While keeping the water inlet valve off, slowly turn on the isolation valve to check for leaks. Very small leaks can be resolved with 6-7 rounds of PTFE tape (plumbers tape)



4.4. Filter Tap Installation

Find a suitable location on the worktop / sink to drill a 12mm hole. Once you have drilled the hole, apply the base to the tap and insert it through the hole. Follow the sequence attached as illustrated below



4.5. Drain Saddle Installation

The purpose of the drain saddle is to prevent the tubing connected to drain from popping out of place and potentially leaking where the system is installed. Please see the figure below for instructions on how to make the drain saddle connection.

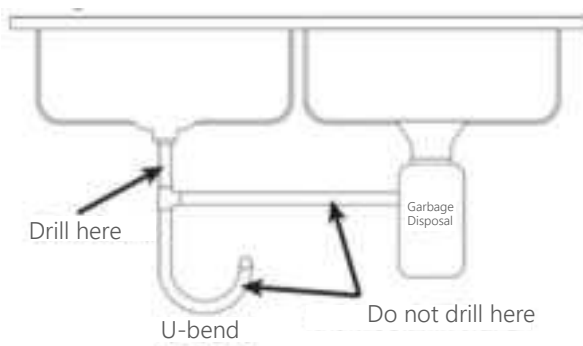
Equipment Required:

- Drill with 7mm drill bit
- Phillips Screwdriver
- Adjustable Wrench

Step 1:

Select a location for the drain hole based on the design of the plumbing. The drain saddle should be installed above the u-bend if possible, on a vertical tail piece. Locate the drain saddle away from the garbage disposal to prevent potential contamination and system fouling. Please see figure below for a more detailed explanation. Use a 7 mm (1/4") drill bit to drill a

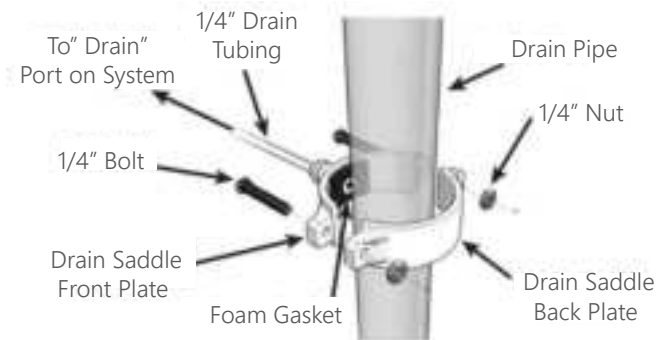
small hole in the drain pipe for the drain to pass through. Clean the debris from the plumbing and hold before continuing.



Step 2:

Remove the backing from the foam gasket and stick that half of the drain saddle on the drain pipe so that the holes line up (a small drill bit or other long narrow object can be used to help align correctly). Place the other half of the drain saddle on the opposite side of the drain pipe.

Clamp and loosely tighten the drain saddle using the nuts and bolts included. Use a Phillips screwdriver to tighten the drain saddle. Connect the tubing from the drain saddle quick connection to the "Drain" connection on the system.



5. OPERATION INSTRUCTIONS



Indicator Lights: Starting from left to right, lights one to three represent the filter lifetimes. The fourth light serves as a status indicator, alternating between red and blue. These indicator lights are integrated with a touch button. A continuous 5-second press prompts an audible signal, and pressing the key for more than 3 seconds initiates a release signal.

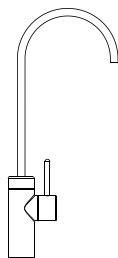
1. Upon powering on, the machine will initiate an automatic 18-second flushing cycle, during which the fourth blue light will flash.
2. By pressing and holding the fourth button for 5 seconds, the machine will emit an audible prompt and commence manual flushing for 18 seconds, with the fourth light displaying in blue.
3. During normal operation of the machine, all indicators remain steadily illuminated in blue.
4. After continuous water production for over an hour (not recommended), all valves will automatically close, and all indicators will begin flashing (with the fourth light in blue). An accompanying buzzer alarm will sound, indicating the stoppage of water production. In this state, the machine must be powered off and then on again for a reset.
5. In the event of the machine not producing water for 24 consecutive hours, it will automatically initiate an 18-second flushing cycle, with the fourth light flashing in blue.
6. When the machine detects water leakage, all valves will automatically close, all small lights will blink (with the fourth light blinking in red), and the buzzer will sound an alarm, stopping the water production. Once the area is dry, the machine must be powered off and then on again for a reset.
7. During the filter's normal service life, the corresponding indicator light remains steadily blue.
8. As the filter's service life approaches expiration, the corresponding indicator light begins to flash in red. When the filter element's service life has expired, the indicator light remains steadily red. We recommend either keeping a spare set or placing an order for replacement filters when the red light starts flashing. Once the corresponding filter(s) has been replaced, pressing and holding the corresponding filter key for 5 seconds results in a prompt sound from the machine, resetting the filter's service life. After the reset, the corresponding filter element indicator light turns blue.
9. All flushing processes can be interrupted. To open the flushing valve sequence, follow this order: Waste Water Valve -> Inlet Valve -> Pump. To turn off flushing, reverse the order of this sequence.

Initial Use

Upon the initial installation of the Hommix hydRO, proceed by turning on the water supply to the system using the Water Feed Inlet Valve, connect it to the power source and power it on.

Flushing the Filters

To prepare for regular use, simply turn on the filter tap and allow the filtered water to run for 20 minutes, rest for 30 minutes and then run the water for another 20 minutes.

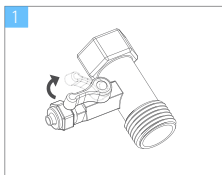


Indicator Light	Display Status	Display Introductions
	Blue Light On	The PPCB filter retains a remaining lifespan.
	Red Light Blink	The PPCB filter is about to expire (10% lifetime remaining), please order a replacement.
	Red Light On	The PPCB filter has expired, please replace the filter immediately.
	Blue Light On	The RO Membrane retains a remaining lifespan.
	Red Light Blink	The RO Membrane is about to expire (10% lifetime remaining), please order a replacement.
	Red Light On	The RO Membrane has expired, please replace the filter immediately.
	Blue Light On	The CB filter retains a remaining lifespan.
	Red Light Blink	The CB filter is about to expire (10% lifetime remaining), please order a replacement.
	Red Light On	The CB filter has expired, please replace the filter immediately.
	Blue Light On	Power on, working normally.
	Blue Light Blink	Flushing in progress.
	Red Light On	Error, please see below.

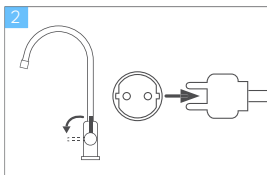
Continuous water production for half an hour: All indicator blue lights blink, accompanied by a buzzer.

Water leakage detected: Indicator lights 1 - 3 flashing blue and the 4th light flashing red, along with a alarm sound.

6. FILTER REPLACEMENT PROCEDURE



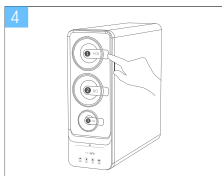
1. Turn off the water feed inlet valve.



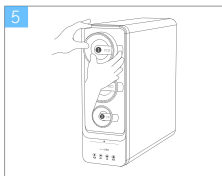
2. Turn on the tap and wait until no more water is dispensed (to reduce the pressure). Turn off the tap and turn off the power.



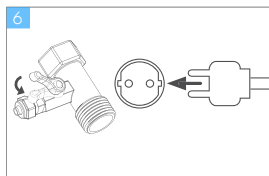
3. Remove the cover by pulling from the bottom as illustrated above.



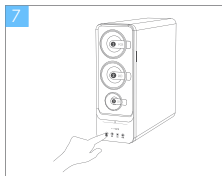
4. Manually press the button adjacent to the filter element; this action will trigger the automatic ejection of the selected filter, allowing you to pull & remove it.



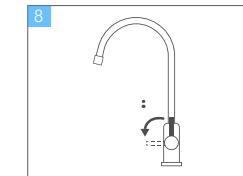
5. Place the new filter into the housing and push it firmly into original position. You will hear a "click" confirming that the filter is securely installed.



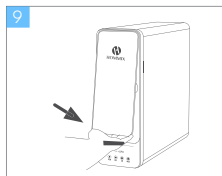
6. Turn the water feed inlet valve back to the open position and power your Hommix hydRO back on.



7. To reset the filter lifespan, press and hold the reset button that corresponds to the new filter replacement (please check the image at the top of page 7) for a duration of 5 seconds (indicated by the status light turning red).



8. Turn on the tap and carry out the filter flushing process (please check the previous page)



9. Place the cover by placing the top first

7. MAINTENANCE

7.1. Cleaning the Hommix hydRO

1. Kindly use a soft cloth to clean the surface.
2. If you encounter persistent stains or dust, dampen the soft cloth with a small amount of warm water for cleaning followed by a dry cloth.
3. Avoid wiping the machine's surface with volatile substances like alcohol, gasoline, or paint thinner.

7.2. Extended Periods of Inactivity

1. Shut off both the water feed inlet valve and the power supply.
2. On your return, open the water feed inlet valve, reconnect the power (if disconnected), and power on the Hommix hydRO.
3. Activate the water purification faucet. The initial presence of fine charcoal powder or bubbles in the water is normal, you can continue running the water until the charcoal powder is completely out, the air bubbles however can take a few weeks although the water is completely safe to consume.

7.3. Filter Replacements

1. To guarantee the product's filters consistently provide safe drinking water, users should regularly replace them.
2. Filter replacement is straightforward and can be performed independently. Nonetheless, don't hesitate to contact the retailer or find contact information on the manual's last page if needed.

8. PRECAUTIONS

8.1. Important Information

1. Avoid storing in direct sunlight. Keep away from environments below freezing.
2. Stay clear of strong magnetic appliances, damp or dusty areas to prevent fire, damage, or circuit issues.
3. Don't place heavy objects on the product.
4. Keep the product out of reach of children and individuals with intellectual disabilities.
5. When disconnecting power, avoid pulling the cable directly. Keep the plug dry, and don't use a boost converter with the power adapter.
6. Keep flammable substances away from the machine.
7. Avoid placing the product near heat sources or open flames.
8. Damaged power cables must be replaced by professionals to prevent danger.

- 
9. Professional installation or removal is necessary; self-disassembly or handling may damage the product.
 10. Install a pretreatment device when tap water doesn't meet municipal standards.
 11. Use only company-provided accessories.
 12. In case of water leakage, cut power and close the inlet valve. Contact after-sales support; don't attempt to disassemble the machine.

8.2. General Precautions & Advice

1. In the mornings or several hours of inactivity, please run the filtered water for 45-60 seconds before drinking or using it for boiling.
2. To prevent automatic warranty termination, only use approved parts from your place of purchase, authorised centres or Hommix directly when the device encounters a malfunction.
3. Upon unboxing, examine the device for any damage and cross-reference the provided parts list to confirm completeness.
4. In the event of a malfunction, promptly disconnect the power plug, close the water feed inlet valve, and refrain from operating the device. Call for support.
5. Repairs must be through the place of purchase or by authorised personnel to ensure safety. Maintenance from unauthorised centres or unqualified individuals may introduce additional risks.
6. The water flow of the reverse osmosis membrane can vary based on water quality, water pressure, and temperature. Insufficient water quality, low pressure, or temperatures below 25°C may reduce the water output.
7. Properly dispose of used filter elements, as they should not be reused. Consider them non-recyclable solid waste (we are working on recyclable filters).
8. During extended periods of inactivity, turn off the power supply and close the water feed inlet valve. When you decide to use the device again, allow water to run for 5-10 minutes to clear any stored water.
9. Extended periods of inactivity or minimal daily use may impact the taste of the water. If the device remains unused for several days, flush out the stored water before returning to normal consumption.
10. If you encounter any of the following scenarios, promptly disconnect the water source and power supply of the pure water device and contact the place of purchase, an authorised centre or Hommix directly:
 - a. If there are leaks in the device's pipeline or related components.
 - b. If the relevant parts of the device cease to function.
 - c. If any component experiences electrical leakage.
 - d. If any other unusual occurrences or faults transpire.
11. In case of damaged device components, the place of purchase, authorised centres or Hommix are available to replace them to prevent losses due to improper handling, which may incur costs. Hommix disclaims responsibility for losses incurred through non-compliance with provided instructions.

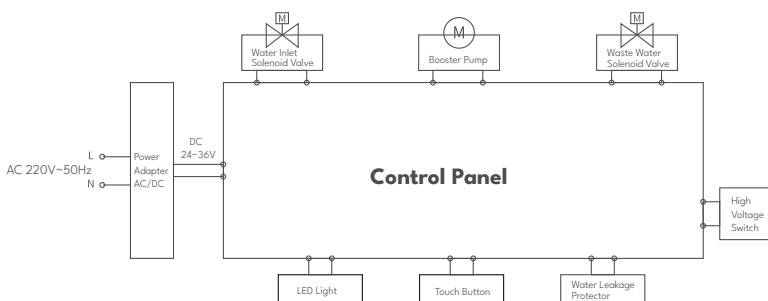
12. Lower ambient temperatures may naturally result in reduced flow, a common attribute of filter elements.
13. Slight vibrations and noise during the water production process are within the normal operational parameters of the device.
14. For planned water shutdowns or pipeline maintenance, it is advisable to deactivate the power supply and close the water feed inlet valve. When restoring the water supply, open other taps and flush out any sediment before turning on the water feed inlet valve, as an accumulation of sediment may obstruct the filter element.

9. TROUBLESHOOTING

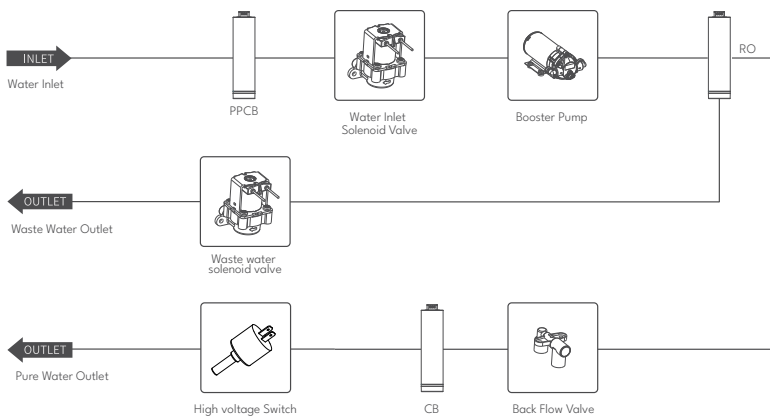
Issue	Reason	Common Fault and Eliminating Method
The Hommix hydRO does not start	The power cable is disconnected or not powered on	Check the power cable for looseness or disconnection, and verify the power switch is "ON".
	Adapter failure	Check to see if the led on the power is off, if so please order a new one.
Leakage spotted under the sink	Component damage	Immediately disconnect the power source and water feed inlet valve, then get in touch with the place of purchase.
	Filter or tube is not connected properly	Verify the correct installation of the filter and ensure that the water pipe connections are all secure.
No water is dispensed from the tap	Cold water supply or the water feed inlet valve is turned off	Please check both valves and ensure they are on.
Water dispensing very slowly	Bent pipe	Please check the pipes for the inlet, waste and tap and ensure
	The water feed inlet valve is not fully on	Make sure the water feed inlet valve is fully open
	Filter blocked	Replace the filter(s) or contact the place of purchase

Dispensed water TDS is too high	Filter failure	Replae the filter(s) or contact the place of purchase
	Poor quality feed water	Check the tap water's quality and explore the possibility of adding a pre-treatment system.
The Hommix hydRO starts and stops constantly	The tap is not turned off completely or the pure water tube (from the hydRO to the tap) is bent.	Please turn off the tap completely and check for a bend on the pure water tube

10. CIRCUIT DIAGRAM



11. WATER TREATMENT PROCESS



12. SPECIFICATIONS

Product Name	Hommix hydRO
Product Type	800GPD
Water Flow Rate	2.0L - 2.2L/min (depending on water pressure and quality)
Rated Voltage/Frequency	AC 220V~50Hz
Rated Power	192W
Rated total Net Water Volume	5000L
Inlet Water Pressure	0.1-0.4Mpa
Operating Pressure	0.4-0.9Mpa
Applicable Water Temperature	5C -38C
Environmental Temperature	2C -45C
Applicable Water Source	Municipal Tap Water
Product Dimensions	140×428×400mm (Width ×Depth × Height)

13. WARRANTY & AFTER SALES

13.1. Elevating Quality Assurance at Hommix UK

At Hommix UK, we take pride in ensuring your peace of mind when it comes to the quality and longevity of our products. Our warranty policy is designed to offer comprehensive coverage and support for your purchased systems across the United Kingdom, Northern Ireland and all countries within the European Union. This warranty takes effect on the date of purchase or, if later, the date of delivery, with proof of purchase serving as a key requirement. It is essential to note that this warranty goes above and beyond your statutory consumer rights.

13.2. The Hommix UK 2-Year Warranty

Our commitment to quality is reflected in our 2-Year Warranty. We stand behind the durability and reliability of our systems, offering repair or replacement of any defective parts within two years of your purchase. To enhance your convenience, we provide free returns for customers within the United Kingdom (mainland). For our valued customers in Northern Ireland and the EU countries, the same service is available, though shipping the system to us is required (free returns are not applicable).

13.3. Ensuring Quality with Replacements

In the rare event that a specific part is no longer available or has gone out of production, Hommix UK retains the right to replace it with a suitable alternative of equal quality.

13.4. Preserve Your Warranty

We kindly request that you refrain from attempting to disassemble the system, as doing so will void your warranty, and any resulting issues or accidents will not be covered by the company. We recommend you keep your sales invoice as a solid proof of purchase.

13.5. Exclusions from Warranty Coverage

It's essential to understand that Hommix UK cannot guarantee the repair or replacement of a product under certain circumstances, including but not limited to:

- **Unauthorised Disassembly:** Attempting system modifications without manufacturer approval.
- **Improper Installation:** Failure to follow provided installation instructions.
- **Non-Approved Parts:** Using unauthorised replacement components.
- **Neglected Maintenance:** Ignoring recommended maintenance tasks.
- **Non-Potable Water:** Using non-approved or low-quality water sources.
- **No Record Keeping:** Failing to register the product or maintain maintenance records.
- **Overuse or Misuse:** Excessive or improper use of the system, including using it for purposes it wasn't designed for, may result in warranty voidance.

Repairs are free within the warranty period with free shipping within the UK (UK Mainland only)

13.6. Repacking the system for repair

To repack the system, simply follow the instructions below:

1. Turn off the power and the water feed inlet valve
2. Keep a small bucket and dry cloths for excess water for the next step
3. Disconnect all three tubes from the Hommix hydRO
4. Disconnect the waste water tube completely and connect a 1/4" stopper to the Drain Saddle Valve.
5. Lift the system with the back by the sink and slightly tilt to remove excess water from the ports and then push the stoppers into them (pure & feed: 3/8" + waste: 1/4")
6. Remove the front cover and remove the filters and then dry any excess water in or around the device using a clean dry cloth
7. Only return the system and keep the filters, front cover and power adapter.
8. If you don't have the original packaging, please place it in a reasonable box with padding to avoid any damage
9. Contact us to arrange a return label (UK Mainland only). If you have purchased from any other country, you will need to arrange delivery to our return address.

13.7. Our Commitment to Service

We go the extra mile to ensure your satisfaction, offering complimentary shipping and free repairs (when the system is sent to us).

Hommix UK is your partner in ensuring the long-lasting performance of your system while maintaining the highest standards of quality and service excellence.

If you require any support, please do not hesitate to contact your local dealer, the company you have purchased your Hommix ziRO from or us directly on:

Web Chat:

Telephone:

Mobile / WhatsApp Business:

Email:

Instagram:

Facebook:

<https://www.hommix.co.uk>

+44 330 113 9292

+44 77 8080 5720

cs@hommix.co.uk

[hommix.uk](https://www.instagram.com/hommix.uk)

HOMMIXUK

14. DECLARATION OF CONFORMITY

Product Name/Model: Hommix hydRO - 800GPD Direct Flow RO System

E: info@hommix.co.uk

T: 0330 113 9292

W: www.hommix.co.uk

WA: +4477 8080 5720

CE Marking



- EN EIC 55014-1&2:2021
- EN EIC 61000-3-2

Environmental Management



- ISO 14001:2015

Quality Management



- ISO 9001:2015

Safety & Quality Assurance



- SGS

Drinking Water Treatment Systems



- NSF/ANSI 58-2019: Reverse Osmosis Drinking Water Treatment Systems (RO Membrane Film)
- NSF/ANSI 51: Food Equipment Materials

This Declaration of Conformity certifies that the product specified above complies with the indicated standards and regulations, ensuring its safety, quality, and environmental sustainability. For further details or inquiries, please refer to the user manual or contact our customer support.



Full Filter Replacement Set for
the Hommix hydRO



Pre and Post Filter Replacement
Pack for the Hommix hydRO



Replacement 800GPD RO Membrane
for the Hommix hydRO



Replacement CB for the Hommix
hydRO



Replacement PPCB Filter (Filter 1)
for the Hommix hydRO

This image shows a full page of primary-ruled paper. It features multiple sets of horizontal dashed lines spaced evenly down the page, providing a guide for handwriting practice. The background is white, and there are no margins or other markings present.

This image shows a full page of white paper with horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a full page of primary-ruled paper. It features multiple sets of horizontal dashed lines spaced evenly down the page, providing a guide for handwriting practice. The lines are thin and black, set against a plain white background. There are no margins, text, or other markings on the page.

