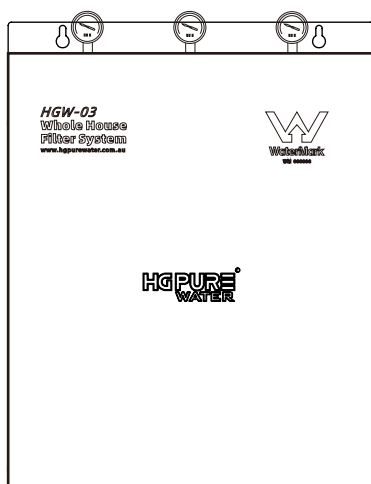




3-Stage Whole House Water Filtration System

INSTRUCTION MANUAL

Product model: HGW-03

Catalogue

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Important Information

Use Guidelines

- Use for mains water supply only.
- Do not expose the system to temperatures below 0°C, protect from freezing.
- The system must be installed according to local plumbing codes on the cold water line only.
- This system requires regular replacement of the filter cartridges to maintain proper operation. Varying chlorine, sediment, or organic substance levels may affect the replacement frequency.
- Be sure to change the filter cartridges every 6 - 12 months, or whenever you detect a change in taste, odour or a decrease in flow.
- Minimum operating pressure: 200 kPa
- Maximum operating pressure: 875 kPa

Note: Where line pressure exceeds 500kPa, an approved pressure limiting device must be installed to comply with Australian & New Zealand Plumbing Standards.

- Maximum operating temperature: 52°C
- Nominal flow rate: 50L-60L/min

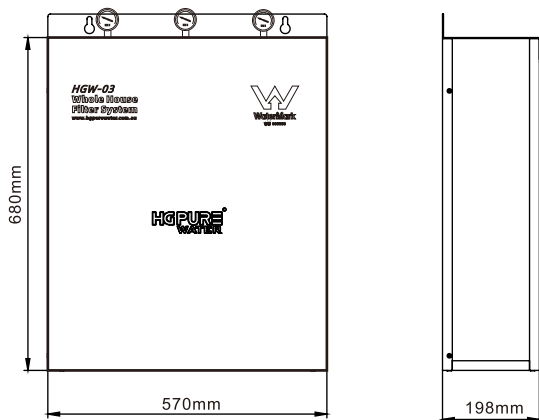
Caution: Do not use water that is microbiologically unsafe or of unknown water quality without adequate disinfection before the system.

Installation Note:

A water filter system/tap, like any product, has a limited life and may eventually fail. Occasionally, failure may occur early due to unforeseen circumstances. To avoid possible property damage, this product should be regularly examined for leakage and/or deterioration and replaced when necessary. A drain pan, plumbed to an appropriate drain or outfitted with a leak detector, should be used in those applications where any leakage could cause property damage, and/or the water supply should be turned off if no one is home/present.

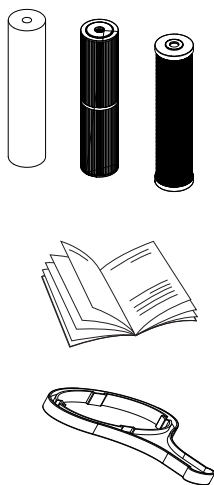
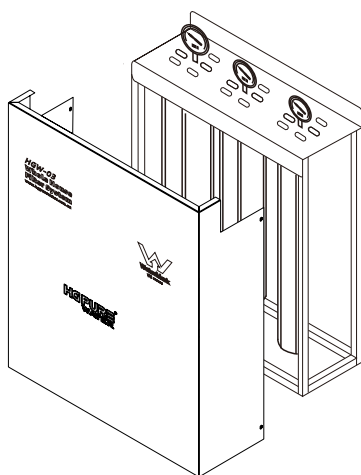
**INSTALLATION MUST BE COMPLETED BY A LICENSED PLUMBER.
FAULTY OPERATION DUE TO UNQUALIFIED PERSONS WILL RESULT IN
VOIDED WARRANTY COVERAGE.**

Product View



Package Contents

- HGW-03 Whole House Water Filtration System Enclosure & Filter Assembly
- Installation Guide
- Spanner



Technical Specifications - HGW-03

Model	HGW-03		
Description	3-Stage Whole House Water Filtration System		
Water pressure	0.1-0.5MPa	IRON	Maximum 0.2ppm
Water temperature*	0.5°C-52°C	TDS	< 1800 ppm
Total Net Water	100,000L	Operating Flow Rates	50-60 L/min
Product Dimensions	680*570*198mm	Weight	30KG

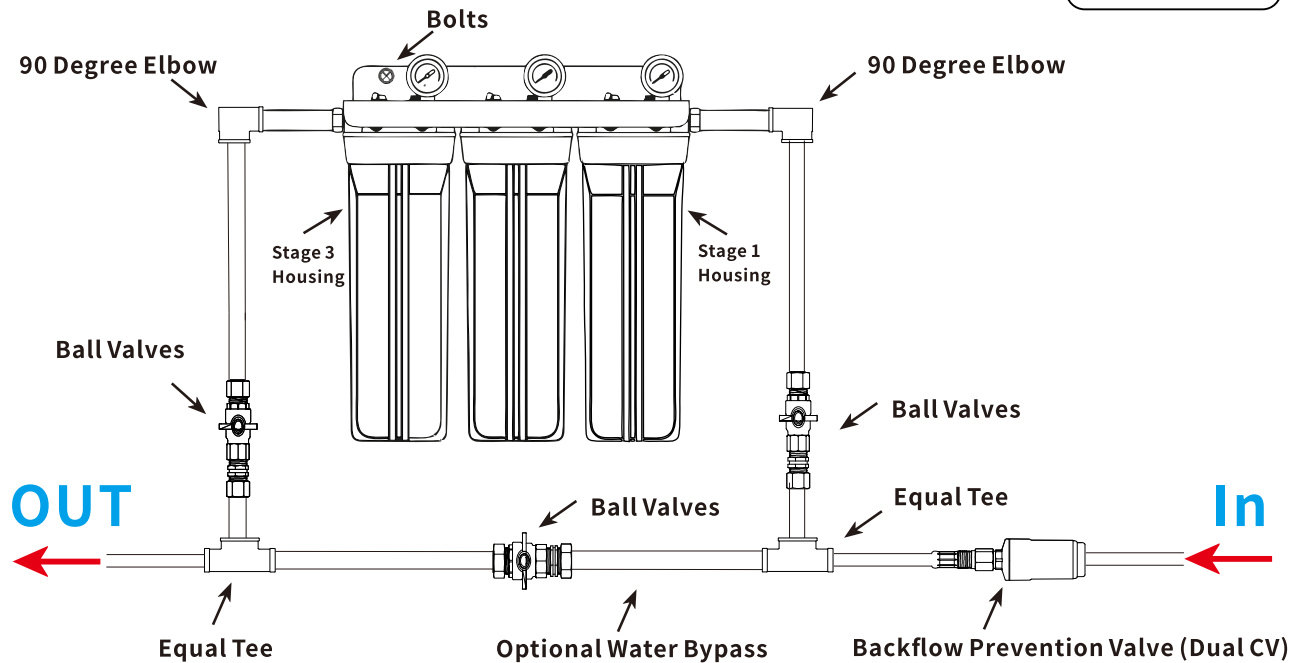
Installation Requirements

- When selecting an installation location; the enclosure and system should be protected from harsh environments where overexposure to excessive heat, direct sunlight, saltwater spray, snow, direct contact with water and freezing conditions can occur. Choose a location with adequate drainage and where water spillage will not cause damage.
 - Suitable installation position. Installation must be on a flat, level and well supported surface.
 - Ensure the position chosen best suits where the system can be connected to your cold water inlet.
 - Consider installation options: If installing using a bolted method a smooth concrete slab will be required. For a post mounted installation the included mounting posts can be used to install in a garden bed (or similar). For a wall mounted installation holes may be drilled into the rear of the enclosure.
 - Connect to the cold water line only (20 mm copper or PEX).
 - Ensure supply pressure is between 200 - 875kPa
- Note:** Where line pressure exceeds 500kPa, an approved pressure limiting device must be installed to comply with Australian & New Zealand Plumbing Standards.(not supplied).
- Select suitable inlet and outlet connectors 20 mm BSP (not supplied).

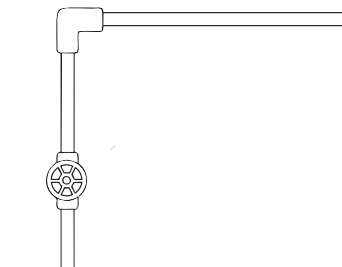
CAUTION

**DO NOT OVERTIGHTEN.
DO NOT USE
LIQUID SEALANTS.**

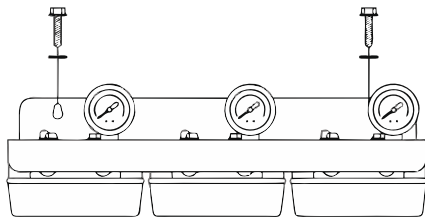
Installation Diagram



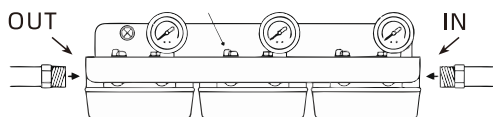
System Installation



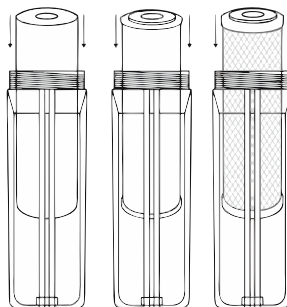
1. Shut off the main water line to your home



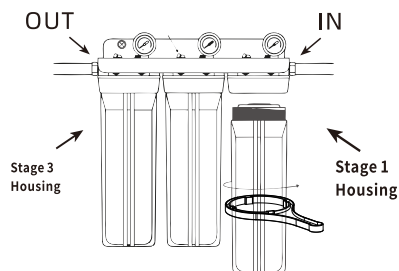
2. Install system to wall using the included bolts



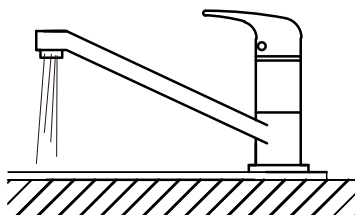
3. Attach your incoming supply line to the "IN" Port on the system then attach the line going into your home to the "OUT" port on the system. Plastic fittings recommended



4. Unwrap cartridges and drop into the correct housings, centering on the stand pipe in the bottom of the housing. Stage 1 is closest to the "IN" port on the system.

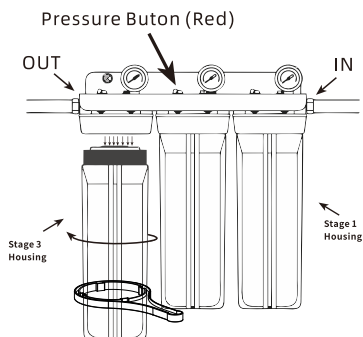


5. Install housing(s) onto the corresponding head and turn clockwise until snug. Hand Tighten or use housing wrench. (DO NOT OVERTIGHTEN)

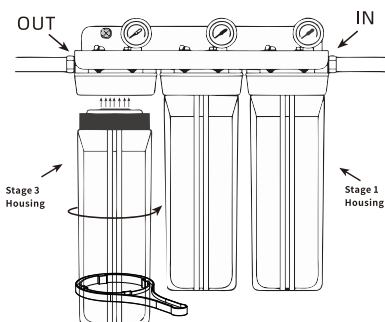


6.
 - 1) Locate nearest faucet and remove aerator
 - 2) Turn water supply on for 5 min to flush filters
 - 3) Check system for leaks.
 - 4) System is now ready.

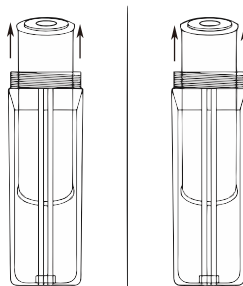
Filter Replacing installation



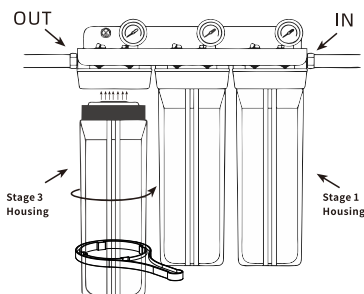
1. Remove housing using the housing wrench by turning the handle counterclockwise



3. Inspect the O-Rings on the housing for any damage or cracks. Ensure the both O-Rings are sitting properly in the groove. Lubricate the O-Rings and housing threads with silicone lubricant or a food-grade lubricant.



2. Remove the old filter and install the new filter. Ensure to center the filter cartridge properly in the housing. Home to the "OUT" port on the system. Plastic fittings recommended



4. Reinstall the housing by pushing the housing up and at the same time turning the housing clockwise. Ensure to keep the housing and filter cartridge straight. Improper installation will cause the filter cartridge to not sit properly in the housing and will prevent the housing from closing all the way.

*Hand tighten or use the housing wrench.
 *Do not overtighten housing.

Note

Replacement Filter Set: Depends on your filter combination. To insure your system keeps performing at its best, only use original HG filters, untested filters will reduce performance and void its warranty.

Before starting: Turn incoming water off then press and hold the PR button to relief the pressure in the system. Ensure to place a bucket or rag to catch any splashing water.

Filter Specifications and Replacement Period

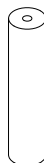
1. First Stage – Sediment Filter (PP)

Function:

Removes rust, sand, dirt, and other visible particulates. Protects downstream filters and improves system efficiency.

Specifications:

- Filtration Rating: 1 micron
- Material: Food-grade Polypropylene
- Size: 20" x 4.5"
- Max Temperature: 52°C
- Max Pressure: ≤125 PSI



Replacement Recommendation:

Replace every 6 to 12 months, depending on sediment level and water quality.

Important Notes:

- For cold water use only
- Do not use with microbiologically unsafe water
- Flush for at least 5 minutes before regular use

2. Second Stage – Granular Activated Carbon Filter (UDF)

Function:

Reduces chlorine, unpleasant odours, and bad taste using high-performance coconut shell carbon.

Specifications:

- Filtration Rating: 5 micron
- Material: Granular Activated Carbon (Coconut Shell)
- Size: 20" x 4.5"
- Max Temperature: 52°C
- Max Pressure: ≤125 PSI



Replacement Recommendation:

Replace every 6 to 12 months, depending on water quality and usage.

Important Notes:

- For cold water use only
- Do not use with microbiologically unsafe water
- Flush for at least 5 minutes before regular use

3.Third Stage – Carbon Block Filter (CTO)

Function:

Removes residual chlorine, VOCs, and THMs. Enhances water clarity and taste.

Specifications:

- Filtration Rating: 5 micron
- Material: Compressed Coconut Shell Carbon
- Size: 20" x 4.5"
- Max Temperature: 52°C
- Max Pressure: ≤125 PSI



Replacement Recommendation:

Replace every 6 to 12 months, depending on water quality and usage.

Important Notes:

- For cold water use only
- Do not use with microbiologically unsafe water
- Flush for 5 minutes after installing a new filter to remove carbon fines

NOTE: Be sure to change the filter cartridges every 6 - 12 months, or whenever you detect a change in taste, odour or a decrease in flow.

Troubleshooting

Problem	Possible Cause	Solution
Leaking between housings	Misaligned or damaged O-rings	Inspect and reseal or replace O-rings
No water flow	Closed valve / clogged filter / low pressure	Check valve positions, inspect and replace filters if needed
Cloudy water	Air in the system	Flush system and allow air to escape
Gauge not working	Overtightened or blocked gauge port	Loosen gauge, remove blockages
Strange taste in water	New carbon filter releasing fines	Flush system thoroughly for 10–20 minutes

Warranty

The HGW-03 system comes with a 5-year limited warranty covering defects in materials and workmanship.

Warranty Conditions:

- Must be installed by a licensed plumber
- Regular maintenance using genuine or approved parts
- Proof of purchase and installation required

Exclusions:

- Consumables (e.g. filter cartridges, O-rings)
- Damage due to misuse, freezing, high pressure, or incorrect installation
- Labour or third-party repair costs

This warranty is non-transferable and valid only for the original purchaser. Consumers may have additional rights under Australian Consumer Law.

Contact Us

Australian Home Guards Pty Ltd
www.hgpurewater.com.au
Customer Service: 1300 883 058