

Home Water Purifier G10-PCU

Eco-friendly Filtration System

Product specification sheet



Application

Home Water Purifier G10-PCU use segmented water filtration. The unique environmental design is using filter backwash function, can flush out water particle and keep filter efficiency, permanently eliminating the need to replace the filter costs, and significantly extend the rear section filter life.

First purification treatment use GT-04 Water Pre-Filter, the unique filter flushing technology, not only to filter out most impurities in water, and can discharge them out. Significantly extend back end filter lifetime and filtration efficiency.

Second purification treatment using 5 micron PP filter, filter out small particles and improve the clarity of the water, enhance the filtration and sterilization efficiency. Third purification treatment using the Extruded Carbon Filter, remove odor, chlorine, Trihalomethane, pesticide and organic pollutant. The Fourth purification treatment using UV sterilizer, eliminate mold, bacteria and virus in the water, supply safe and cleanness water.

Compact in size, it is designed to fit where space is limited.

Special Feature

- Easy installation, it is reliable and solid.
- Eco-friendly product, reduce consumables abandon
- Continue supply of the filtered water, also during rinse cycle
- Shock resistant clear synthetic material filter bowl enables easy inspection of filter contamination
- Mechanical scraping device, scrap & clean filter more thorough
- Time indicator in bottom side to remind washing cycle
- Design by regular filter assembly, can buy filter in supermarket or store, do not worry about high cost of filter replacement or inconvenient in the future.
- Water treatment (POWER-PHOS) and auto-clean function for option

Range of Application

Medium Domestic water

Technical Data

Installation position	Horizontal with filter bowl downwards
Operating pressure	Maximum 8 bar
Operating temperature	Maximum 40 °C
Connection sizes	1/2", 3/4", 1"

Construction

Home Water Purifier G10-PCU comprises :

- Water Pre-Filter GT-04
- Two sets of 10" filter housing, including 5 um PP filter and KX CTO extruded carbon filter.
- UV sterilizer using PHILIPS UV lamp and power set.
- SUS main frame
- Two sets O type wrench
- Copper Threaded connections

Material

- Water Pre-Filter compose of dezincification resistant pressed brass, stainless steel fine filter, shock-resistant, clear synthetic material filter bowl
- 10" filter housing compose of PP body and ABS cover
- UV sterilizer assembly by SUS body, UV lamp and power set
- Main frame made by stainless steel

Method of Operation

When Home Water Purifier G10-PCU is operating, the water will go through the Water Pre-Filter fine filter, open bottom valve to filter out sediment, the continuous supply of filtered water is available also during the rinse cycle.

Accessories

Connection set

2 sets of threaded unions to connect main water supply tube

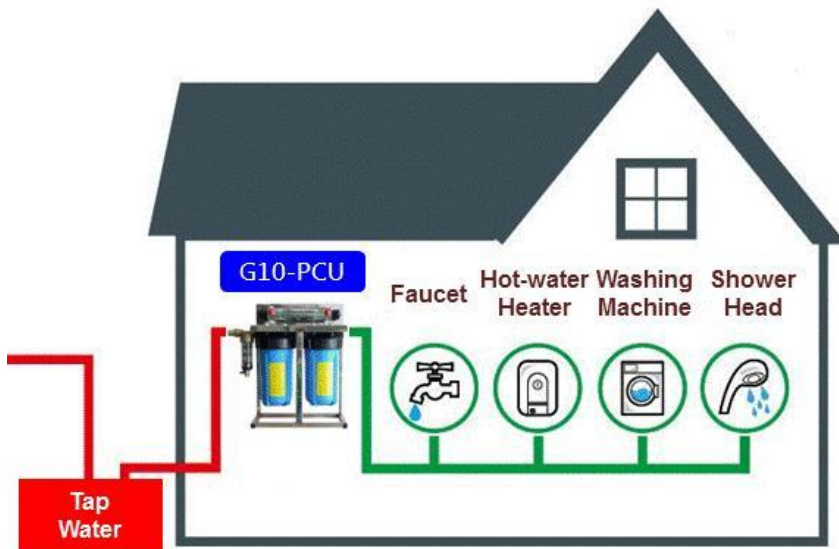
O type wrench

For removing filter bowl and 10" filter housing

Drain line connector

Connecting drain pipe tube

Installation Example



Installation Guidelines

- Install in horizontal pipework with filter blow downwards
 - This position ensures optimum filter efficiency
 - Use hose piping for pipe line installation to allow more convenient
- Easy to operate Water Pre-Filter shut-off valve
- Ensure good accessibility
 - Degree of contamination can well be seen through clear filter bowl
 - Simplifies maintenance for filter and UV lamp exchange
- Fit immediately after water meter
- Please do not impact filter bowl during installation and maintenance
- Please provide the correct power voltage to UV sterilize.
- Appropriate mainframe fixed
- After the installation is complete, please make sure there is no leakage, and power voltage is correct

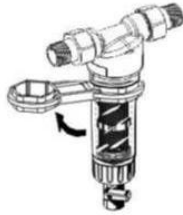
Maintenance Procedure

- (1) Recommend filter rinse cycle every month, turning mechanical scraping device for filter clean
- (2) For aggressive application, maintenance will be necessary for each annual. Remove filter bowl and fine filter to clean, use mild detergent (dishwashing liquid, powder detergent) and

toothbrush to clean fine filter & bowl.



1. Filter rinse



2. Separate bowl



3. Move out filter set



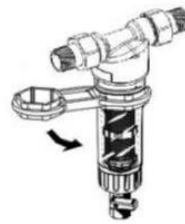
4. Pick up filter & clean



5. Insert bowl



6. Align position



7. Lock bowl

(3) Filter exchange suggestion: POWER-POS (water treatment) every 6 months, 5 um PP Filter and KX CTO carbon filter for the 12 months, the UV lamp 12 to 18 months. Please adjust cycle according to the amount of the actual use of water quality and water consumption.

PS: KX CTO carbon filter remove chlorine content of 12000G / 3 GPM

(4) Please keep well and use attached O type wrench for filter exchange

Typical Application

Home Water Purifier G10-PCU filtration system is suitable for all types of household installation. They can also be used for commercial and restaurant application within the limits of their specification.

G10-PCU is installed :

- Where no pressure reducing valve is required (maximum 5 bar static pressure)
- If water pressure is too low, we suggest install pump in front of G10-PCU for water supply