

IGW EMERGENCY UF

PORTABLE PUMP TYPE

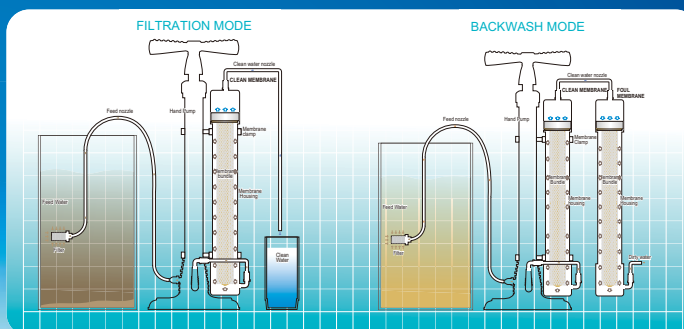
- Anti-clog filter, easy to clean
- High filtration area, quick production of clean water using low pressure hand pump
- Compact design, and easy to operate
- Long filter lifetime
- Produce reliable high quality water continuously
- Environmentally friendly, without chemical addition
- Quick and simple installation
- Suitable for emergency condition, camping, survival, hiking, expedition and residential usage

Benefits :

- High membrane surface area (over 1 m²) make it easier for water to be pumped
- Can produce 2 L/minute of clean water in about 10 stroke per minute,
- The lowest price filter in their class
- Used to produce clean water from turbid water
- Portable, appropriately used for adventure

Technology : Ultrafiltration Membrane
 Application : Remove turbidity, bacteria, algae, spores, sediment, germs, and colloid to produce clean water
 Output : +/- 200 ml/stroke
 Weight : 2-3 kg
 Size : L 62 cm x W 21 cm x H 10 cm
 Spare Part : 1 unit of membrane module

INDONESIA PATENT
 P00201000624



NO ELECTRICITY REQUIRED

Feed Water Product Water

Increasing water pollution level by contaminants such as heavy metals, pathogens, bacteria, and viruses, demands higher technological level of water treatment. Slowly but sure, conventional treatments seem to lose their reliability. GDP Filter opted membrane technology for water treatment due to its high degree of separation.

Ultrafiltration (UF) is a pressure driven membrane separation process. Thanks to its nano-sized pores, UF membrane is widely known as powerful system for turbidity removal and disinfection in water treatment, even in medical field. The most essential advantage of ultrafiltration compared with other technologies is the independency of bacteria, virus and pathogenic substances removal from feed water quality.

GDP Filter proudly presents the IGW Emergency UF, which is combination of UF advantages with mobile and electricity-free features. IGW Emergency UF has proven ability of up to 99.99% removal of colloids, turbid agents, bacteria, and viruses, while preserving minerals, thus produces crystal-clear, hygiene, and most-fresh water.

STANDING TYPE

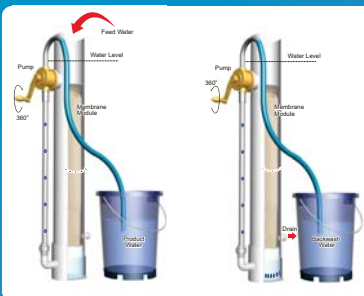
Why Ultrafiltration Membrane Water Purifier

- Continuous high quality crystallly clear and most fresh produced water
- Environmentally friendly
- Simple and quick installation
- Suitable for emergency
- Long life and low fouling membrane

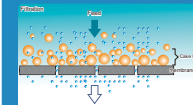
Technical Specifications

Capacity : 500 - 750 liter per hour
 Operation : Manual
 Housing Material : PVC
 Dimension : L35 x W30 x H160
 Weight : 25 kg

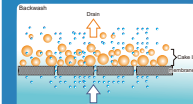
FILTRATION PROCESS



DEAD END ULTRAFILTRATION



BACKWASH CLEANING SYSTEM



BACKWASH PROCESS

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