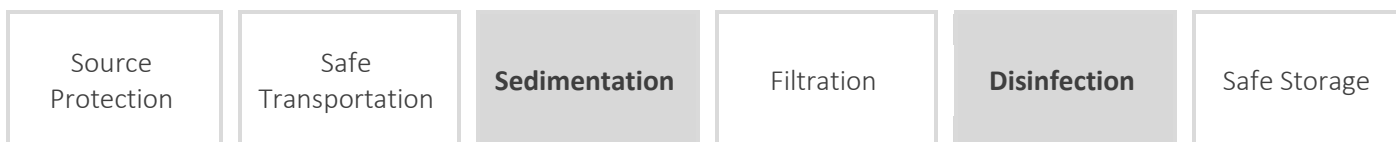


P&G Purifier of Water



What is it?

Formerly known as PUR, the P&G Purifier of Water is a combined flocculent-disinfectant that was developed by Procter & Gamble in collaboration with the US Centers for Disease Control and Prevention (CDC). Users add one packet of this product to 10 L of water, stir vigorously, filter the water through a cloth, and then wait 20 minutes. P&G Purifier of Water contains two components: a coagulant (to cause particles to clump together and settle) and a form of chlorine that works slowly to inactivate remaining pathogens.



Performance

Microbiological Effectiveness:

Parameter	Effectiveness
Bacteria	Very Effective (>99%)
Viruses	Very Effective (>99%)
Protozoa	Very Effective (>99%)
Helminths	Very Effective (>99%)

Other Parameters

Effective for removing turbidity, heavy metals such as arsenic, and chemical contaminants.

Source Water Requirements

Chlorine works best at a pH between 5.5 and 7.5.

Capacity

Each packet treats 10 L and treatment takes 30 minutes.

Lifespan

Packets need to be used within 3 years of manufacture. Each packet is single-use. An expiration date is given on the packet.

Ease of Use & Acceptability

Operation & Maintenance

The user adds the contents of one packet to 10 L of water, stirs vigorously for 5 minutes, and allows water to settle for 5 minutes. Next, the user filters the water through a cotton cloth, then waits an additional 20 minutes to allow the chlorine to disinfect any remaining pathogens. Packets should be protected from extreme temperatures or high humidity.

Repair & Replacement

Requires regular purchase of the product.

User Considerations & Preferences

Free chlorine residual provides protection against recontamination. Some users do not like the taste and smell of chlorine. Proper use of P&G Purifier of Water requires carefully following all the steps in the manufacturer's instructions.

Feasibility

Availability

Produced and sold by Procter & Gamble™.

Cost

Typical price is around US\$0.10 per sachet, or US\$.01 per litre treated.

Size & Weight

Lightweight and portable. Each packet weights 4 g.

More Information

Details and references: www.hwts.info/products-technologies/e0baff7f/pandgtm-purifier-of-water

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