PHILIPS

Under-the-sink system

Philips

Reverse osmosis filtration

1000 GPD membrane

5℃ Chilled, ambient and hot

2.6 L/min filtered flow rate

AUT9028DG/90



Purifying excellence. From ice-cold to piping hot.

Aquaporin Inside™ removes 110 kinds of substances*

Experience instant 0.0001µm purified water. World's first reverse osmosis tap water station, with integrated heating and cooling system. 1000 GPD high-flow RO membrane. Post filtration remineraliation.

Worry-free to use and maintain
- High filtration efficiency

Build for your convenience
- Designed and Manufactured to HongKong Standards

Your Drinks, Your way
- Perfectly chilled (5°C) water on demand
- Tankless, Compact, Efficient

Cleaner water assured
- Aquaporin Inside™ Reverse Osmosis
- Mineralizing pH+ alkaline technology
- UV-C LED keeps chilled water fresh
- Fresh hot water on demand
- Total Dissolved Solids monitoring
- Various temperature
- FreshPro™ Anti-TDS Creep

Highlights

High filtration efficiency
Traditional RO systems are often inefficient, typically wasting 9 to 12 litres of water for every 3 litres of purified water produced — a recovery rate of just 20%. This level of water waste is a concern, particularly in regions facing water shortages. In contrast, the Philips cartridge used in this RO water station achieves 65% water recovery: it produces 2 litres of purified water with only 1 litre of water going to the drain, offering a more sustainable and efficient filtration solution.

Watermark certified
In HongKong, all plumbing and drainage products must be installed by a licensed plumber - and may only be installed if they carry WaterMark certification.This Philips Tap Water Station is fully certified to meet the latest HongKong standards, like AS/NZS 3497:2021 for drinking water treatment systems.The certification ensures the product complies with all regulatory, safety, and performance requirements for use in HongKong homes.

Perfectly chilled (5°C) water on demand
Powerful compressor chills the purified water in the chilled water chamber from 25°C to a crisp 5°C in just 25 minutes. The chilled water dispensing flow rate is approximately 1.0L per minute. The chilled water chamber capacity is approx. 1.0L. Enjoy crisp, chilled purified water on demand !

5-stage filtration with Aquaporin Inside™
Harnessing the power of nature. This reverse osmosis system uses a biomimetic membrane with aquaporin proteins — the same proteins found in nature that help water pass through cell membranes. It effectively filters out harmful substances down to 0.0001 micron.Aquaporin Inside™ technology, developed by Aquaporin A/S (Denmark), has been tested in collaboration with NASA and the European Space Agency (ESA) for use in space missions—demonstrating outstanding innovation, reliability, and performance.

Mineralizing pH+ alkaline technology
Our remineralizing technology enhances RO filtered water by adding back beneficial minerals. This process naturally raises the pH, resulting in smoother, more alkaline water with a great taste.

Tankless, Compact, Efficient
Traditional RO systems typically offer around 50 GPD (gallons per day) — equivalent to 0.13 litres per minute and therefore, they rely on large storage tanks to offer an acceptable water flow.Philips direct-flow Tankless RO Taps offer 400 to 1000 GPD capacity, enabling flow rates of up to 2.6 litres per minute — 20x faster than conventional systems.To manage heating or chilling functions, a small - integrated - heating of chilling chamber might still be used.

Static UV disinfection
UV-C LED technology in the chilled water chamber activates every hour, inhibiting bacteria growth in the freshly filtered water by up to 99.99%**. When you deactivate the cooling system, the UV sanitization will also stop. Leaving standing water in the chilled water chamber without UV sanitization can create a breeding ground for bacteria, especially as temperatures rise. To ensure the quality and safety of your drinking water, it is essential to drain the system according to the provided instructions.

Fresh hot water on demand
Instant heating technology can deliver an "unlimited" stream of purified hot water within seconds. Multiple temperatures can be selected via the smart faucet: 5° chilled, ambient, 45°, 85° and 95°. Near boiling temperature (approx. 98°C) is achieved inside the heating element. The hot water (95°) dispensing flow rate is approximately 0.35L per minute. Enjoy freshly purified and heated water on demand !

Total Dissolved Solids monitoring
The system automatically flushes the RO membrane with purified water to lower the TDS, preventing TDS from creeping into the treated side of the membrane. Every drop of water is fresh and guaranteed! It meets rigorous standards for material safety, structural integrity, and filtration performance.In addition the system is tested to reduce over 110 potentially harmful substances, including bacteria, chloride, microplastics, fluoride, PFAS chemicals and pharmaceuticals.

Various temperature
5 preset temperature (5℃, Ambient, 45℃, 85℃ & 100℃)

FreshPro™ Anti-TDS Creep
Always Fresh, Always Pure.TDS creep occurs when reverse osmosis systems are unused for a period, allowing total dissolved solids to slowly pass through the membrane, temporarily raising the TDS level in the purified water.The Philips FreshPro™ system prevents this by automatically flushing the system with purified water — even during standby periods. This proactive flushing reduces TDS creep and ensures the first glass of water is just as pure as the last.

1000GPD
The system provides up to 1,000 gallons of purified water per day, making it ideal for large families who need a steady supply of clean drinking water. Plus, it delivers water quickly—filling a 150ml glass in under 4 seconds!**Glass capacity: 150ml

Smart faucet with colour coding
Precision meets convenience. The elegantly designed smart faucet combines form and function, featuring a durable ABS plastic and zinc alloy housing. It integrates both the system control unit and purified water outlet into one sleek interface. Turn the dial to select from 5 temperatures (5°C chilled, ambient, 45°C, 85°C or 95°C heated) and four dispensing volumes (250 ml, 350 ml, 500ml or 1000 ml). The 120° swivel design offers flexible positioning, making it exceptionally user-friendly for everyday use.

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Specifications

Filtration performance

Microplastics reduction
Filter Precision: down to 0.0001 microns
Soluble lead reduction
Water hardness reduction
Pesticides reduction
Turbidity reduction
Bacteria reduction
VOC reduction
Viruses reduction
PFOS reduction
Heavy metals reduction
Sediment reduction
RO membrane specification: 1000G
Purified water flow rate: 2.6L/min
Brand of RO: Aquaporin
FreshPro
Total dissolved solids (TDS) reduction
PFOA reduction
Mineralization

Smart Functions

Filter replacement: QuickTwist
Auto-flush

Filter specifications

Filter precision: down to 0.0001 microns
Filter precision: Replacement cartridges AUT640 (1000 GPD RO membrane; lifetime 5 years or 18,000 litres) and AUT617

Input water conditions

Input water quality: Municipal tap water

General specifications

Product Dimension (LxWxH): Under-bench unit: depth 426 (+20 for powercord) x width 198 (+50 for ventilation) x height 426 (+50, Faucet: height 304 (spout height from benchtop 240) x width 54. mm mm
Water production efficiency: 65%
Water storage tank: Tankless
Heating system: Instant heating
Installation: According to HongKong Standards
Cooling system: Compressor cooling

Safety Configurations

Filter replacement reminder
Auto flush

Country of origin

Country of origin: Made in China. Aquaporin Inside technology technology developed in Denmark.

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