



clearwater pure

P Series Filter Range

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FILTER TAP BENEFITS



TASTE

The Pure Filter removes impurities to give the water a great taste to rival bottled mineral water. The filtration transforms tap water giving a pure untainted taste.

HEALTH

Drinking filtered water with all impurities removed and the healthy minerals left adds to the health-giving properties compared to standard tap water.

ENVIRONMENT

Aside from the inconvenience of carrying heavy bottles home from the supermarket, there is the added benefit of not adding to our planet choking on a growing plastic waste epidemic.

ECONOMY

Why spend a fortune on bottled water when equally good tasting water is simply on tap and virtually free to use.

APPLIANCES

Prolong the life of your steam iron and kettle by filling with filtered water to avoid limescale build-up.

FILTER REPLACEMENT

To maintain a supply of great tasting water it is important to replace the filter after 4000 litres have been used, we supply, with each tap, a Pure FlowPro digital reader which will remind you when it's time to change. It is easy to replace the filter by a simple twist off and twist on process, no plumbing skill required!





Information on Clearwater Pure P series

Carbon

There are 3 main performance characteristics of carbon cartridge which explain how the media is used to remove a variety of suspended and dissolved contaminants.

Particle Filtration – Sediment and Suspended Solids

Every carbon block cartridge has a given micron rating which indicates the physical size of suspended particulate that can be removed by the cartridge.

Absorption – Organics and Heavy Metals

Carbon is a naturally adsorptive media, which will remove dissolved contaminants from a solution. Contaminants such as large organic molecules and heavy metals stick to the sides of millions of micropores throughout the structure of the cartridge. These micropores have highly attractive forces on the surface, which are created through an activation process whereby the carbon is heated to 870°C.

Chemical Reaction – Chlorine and Chloramine

Chlorine is a disinfectant commonly dosed into public water supplies. Not only can it add a bad taste to drinking water, it can also attack RO membranes, significantly reducing performance. Through chemical interactions with the activated carbon, reactive chlorine molecules are converted to less reactive chloride ions. Chloramine can also be removed through this process although the reaction occurs at a much slower rate.

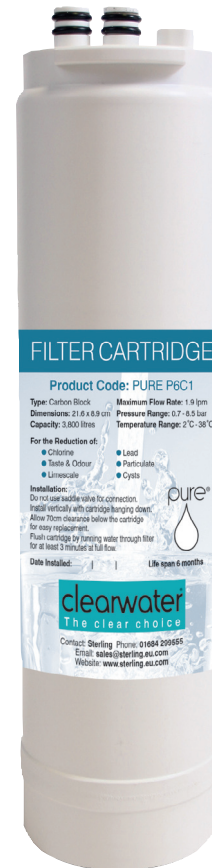
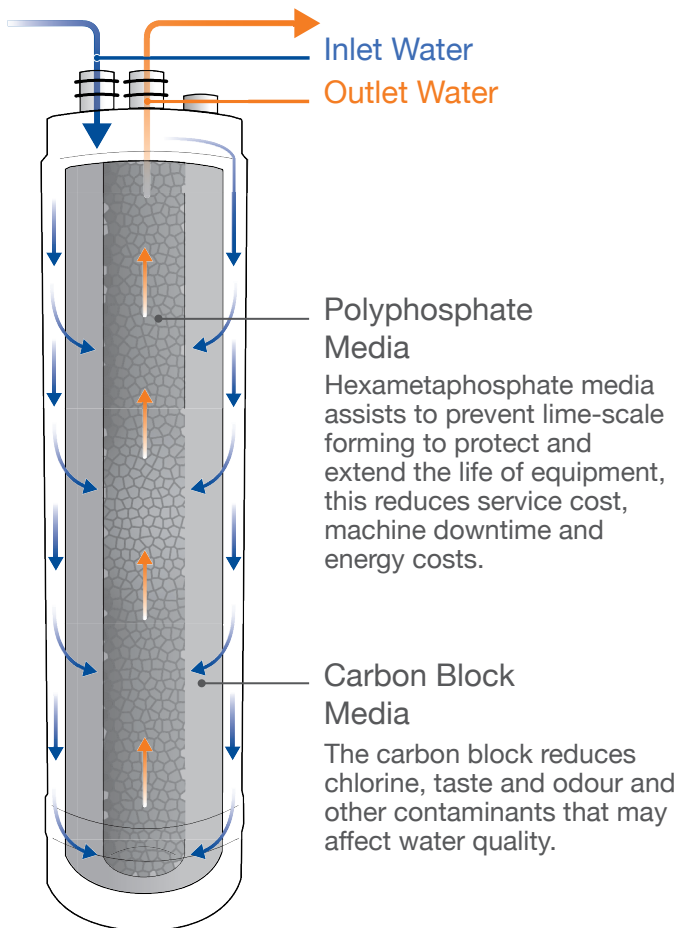
Phosphate

Hexametaphosphate media used within cartridges prevents scaling issues by keeping hardness particles sequestered, preventing precipitation and accumulation on surfaces. A protective coating is also formed on all metal surfaces safeguarding against typical acid/alkaline contaminants that affect corrosion of water equipment and pipework. Phosphate dissolves slowly into the feedwater source at a steady rate irrespective of the incoming water hardness meaning that the life of the phosphate is mainly based on the litres of water that have passed through the cartridge.

The phosphate used in the P6 is effective at reducing scale build up in feed waters up to 250 mg/l CaCO₃.

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P6C1 Filter



Features & Information

Reduced disposal costs and lower volume of waste compared to bottled water.
Clean and easy change-out with twist lock system which requires no shut off or drainage.
Highly efficient carbon block offers excellent chlorine reduction, improved taste and odour reduction. In addition to improving water clarity via a sediment reduction.
Phosphate Filtration causes a reduction in scale via inhibiting scale formation.

Type: Carbon Block with Phosphate **Maximum Flow Rate:** 3.8 lpm

Dimensions: 30 x 8 cm **Pressure Range:** 0.7 – 6.9 bar

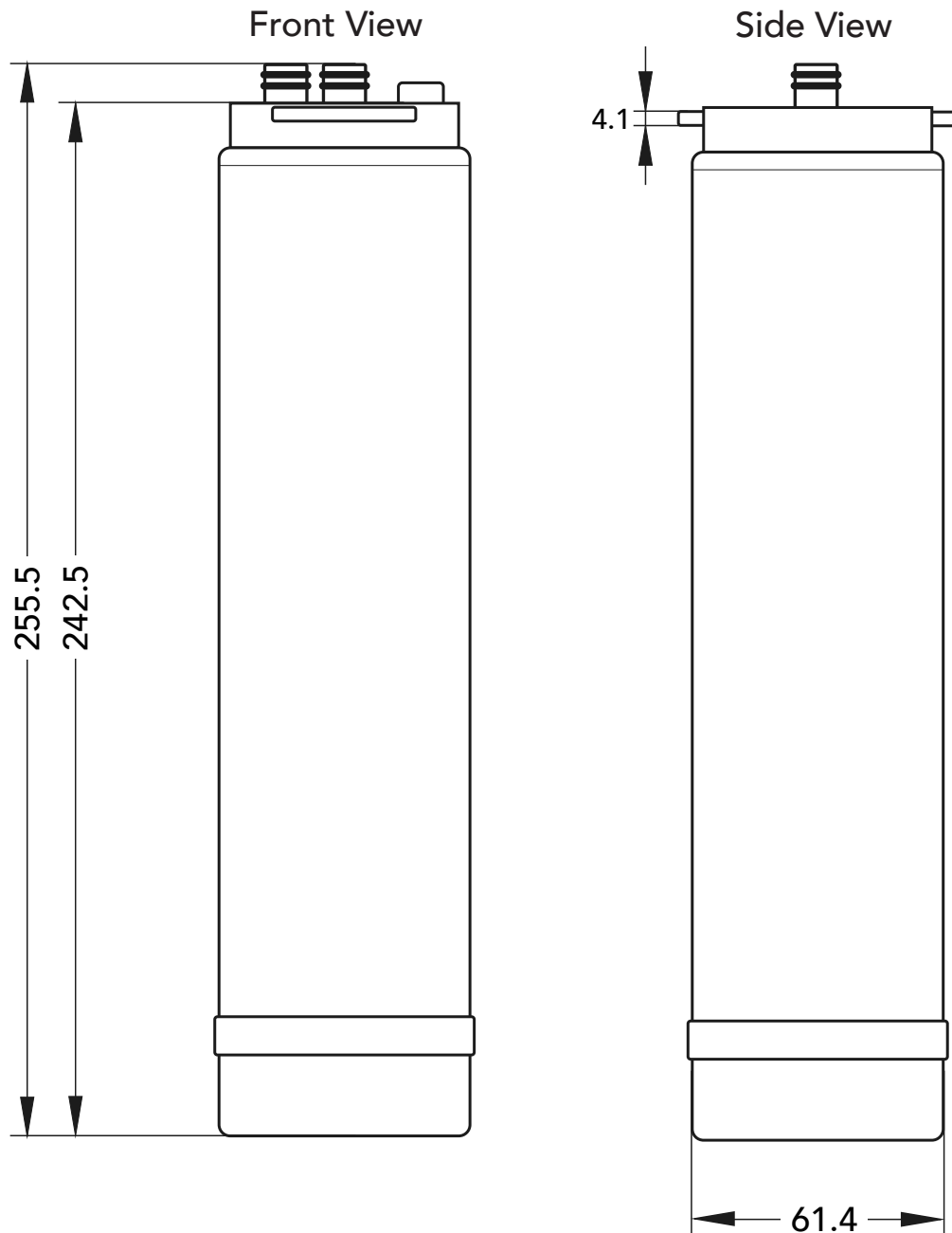
Capacity: 3800 litres **Temperature Range:** 2°C- 38°C **Filtration:** 1µm rated

For the Reduction of:

Taste & Odour, Chlorine,
Particulate and Limescale

Life span suggested 6 months normal usage. Maximum 12 months

Technical Drawing P series



Polypropylene

¼" push fit ports ensure a reliable and leak free system connection.

Single and double head configurations allow users to create tailored systems to target individual requirements.

Moulded P series head includes bracket points for quick and easy installation.

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Technical Datasheet P series

Materials of Construction

Cartridge Case: Polypropylene

Carbon Block Media: Coconut Activated Carbon

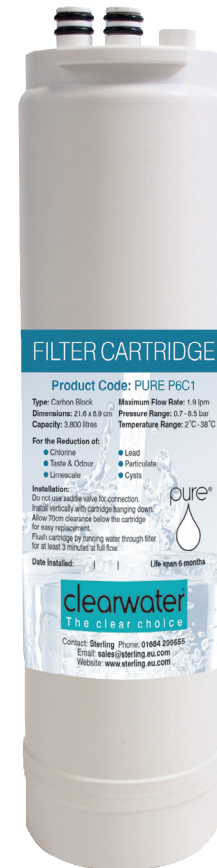
O-Rings: Silicone

Construction Notes

- 1 Double O-Ring Seal ensures a reliable and leak free secure connection.
- 2 Cartridges release with a quarter turn, which automatically shuts off the water supply during changeout.

Technical Data

Micron Rating (μ)	1
Height (")	10
Width (")	2.5
Maximum Operating Temperature ($^{\circ}$ C)	38
Maximum Operating Pressure (bar)	6.9
Capacity (litres)	3800
Flow Rate (lpm)	3.8



Available Head



Single Head

System Height Including Head (")	12
Head Inlet/Outlet Ports (")	1/4

Technical Datasheet P series - Head

Materials of Construction

Case: Polypropylene

Internals: Polypropylene

Construction Notes

- 1 Manufactured from tough polypropylene.
- 2 ¼" push fit inlet and outlet ports.
- 3 Twist-Lock fitting(s) for easy quarter turn connect/release of cartridges.
- 4 Integral mounting bracket.
- 5 Automatic feed shut-off valve.

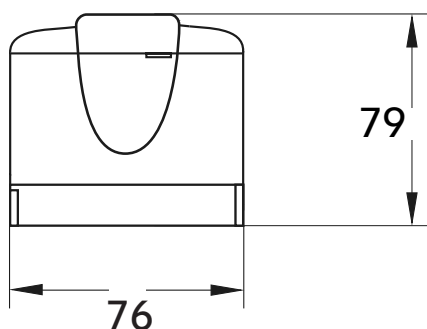


Patented Twist-Locking System
(quarter turn connection/release).

Technical Data

	FH1
Height (")	3.1
Width (")	3
Depth (")	3.5
Height Including Cartridge (")	12
Head Inlet/Outlet Ports (")	¼

Front View



Bottom View

