

# Comprehensive Whole-House Filtration

*The ultimate first line of defense for household water purity*

Pentair C500 series pre-filter



MOVE, IMPROVE & ENJOY  
**WATER**



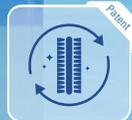
6.5T/h  
high flow rate



40µm  
precision filtration



Patented  
integrated PP liner



Patented dual-sided brush  
self-cleaning

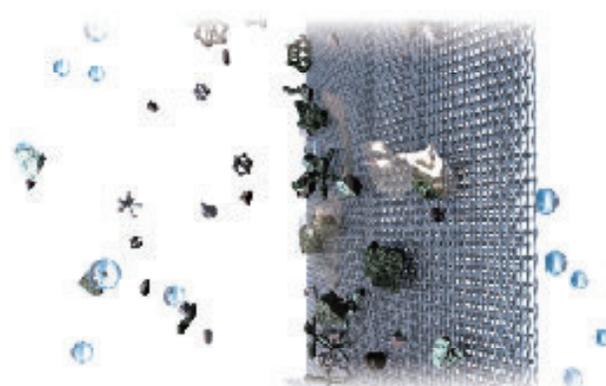
# ► Superior Performance, Pure Enjoyment

MOH-Certified **6.5T/h** High Flow Rate  
Reliable water supply for the entire household  
with no waiting time.

Supports simultaneous use of over 12 faucets\*



\*Based on a flow rate of 9L/min per faucet



**40µm** Precision Filtration  
Effectively removes impurities  
to protect household water appliances.

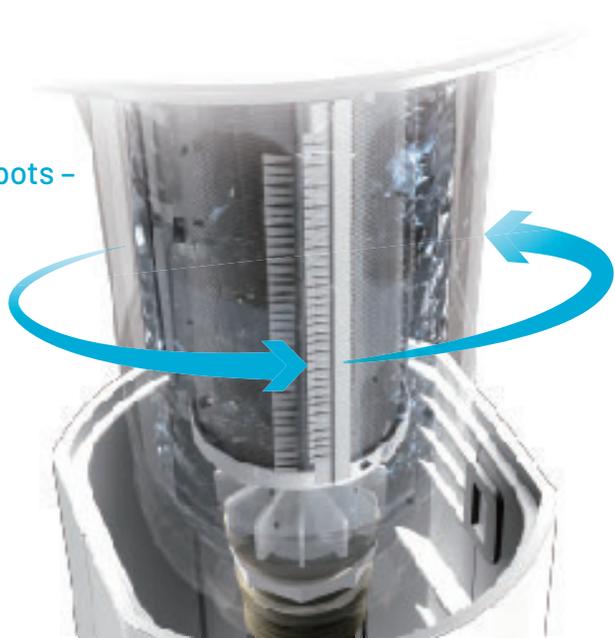
Woven fine-mesh structure ensures uniform pore size.  
Efficiently intercepts sediment, rust, and large particles.  
Filtration efficiency **>98%\***

\*Tested in a laboratory setting at 0.2MPa water pressure using 40-60µm particles

**Patented Dual-Sided Scraping &  
Hydrodynamic Backwash Technology**

**360°** thorough cleaning with no blind spots –  
No disassembly required for a lifetime.

Patented dual-sided brush self-cleaning technology\*  
Inner brush cleans the filter mesh; outer brush scrapes the filter housing for immediate cleaning.  
Open the drain valve for hydrodynamic backwashing, ensuring thorough discharge of impurities.



\*Utility model patent, Patent No. ZL 2022 2 197725.9

# ► Premium Materials for Safe and Pure Water

Patented integrated **PP** liner\*

Lead-free protection with no compromise

Manufactured using an integrated in-mold injection process, ensuring high sealing performance and pressure resistance. Effectively prevents lead leaching at the source and eliminates secondary water contamination.

\*Utility model patent, Patent No. ZL 2021 2 0857038.6



**316L** Stainless steel filter mesh and baby-safe filter housing  
Lasting safety in one step

The 316L stainless steel filter mesh is corrosion-resistant, rustproof, and highly durable. The filter housing is BPA-free, making it safe for infants and young children.

**Comprehensive** extreme testing

Freeze and pressure resistance

**-30°C**

Freeze-crack resistance temperature

**8MPa**

Burst pressure limit

**300,000 cycles**

Pressure cycle test with no leakage



Built for durability and reliability to ensure safe household water usage.

# ► Innovative Design for Convenient Filtration

**Monthly indicator dial**

Rotate to record the last flushing time.

**Built-in pressure gauge**

Real-time monitoring at a glance



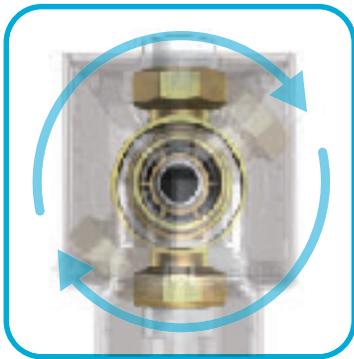
**Fully enclosed design**

Prevents light exposure to reduce algae growth, ensuring cleanliness and hygiene.

**Transparent viewing window**

Easily check filter mesh impurities

## Manual universal pre-Filter



360° flexible installation.  
Compatible with different pipelines and installation environments.



## Automatic pre-Filter\*



Battery & Type-C dual power supply.  
Pre-set automatic flushing at scheduled intervals.



\*Installation of the automatic pre-Filter requires a reserved drain outlet.

### Pentair C500 series pre-Filter product specifications

Model	C500-WI automatic
Dimensions (w x d x h)	124 x 109 x 323mm
Clean water flow rate	6.5T/h
Filtration precision	40μm
Operating pressure	0.1-1.0MPa
Incoming water quality	Municipal tap water

## Smart, Sustainable Water Solutions For Life

Pentair was founded in 1966 and is headquartered in Minnesota, USA. Everpure, a brand of Pentair, has been one of the most trusted brands in the foodservice industry since 1933. An expansive portfolio of technologies and products are designed to be the right sized to deliver the exact water quality specifications needed to meet operator’s ingredients and process water requirements. Pentair had revenue in 2024 of approximately USD 4.1 billion, and trades under the ticker symbol PNR. With approximately 9,750 global employees serving customers in more than 150 countries, we work to help improve lives and the environment around the world.

At Pentair, we are driven to create a better world through smart, sustainable water solutions. We help the world sustainably move, improve, and enjoy water, life’s most essential resource. From our residential and commercial water solutions, to industrial water management and everything in between, Pentair is focused on driving innovation that helps our planet and people thrive.

**9,750**  
Approx. 11,250  
global  
employees

**4.1 billion**  
Approx. USD 4.1  
billion annual  
revenue in 2024

**150+**  
countries





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