

Comprehensive Water Filtration

The ultimate first line of defense for clean and safe water

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

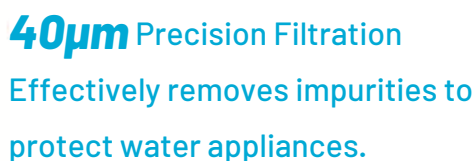
► Superior Performance, Pure Enjoyment

MOH-Certified **6.5T/h** High Flow Rate
Reliable water supply for your requirement
without waiting.

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 water appliances.

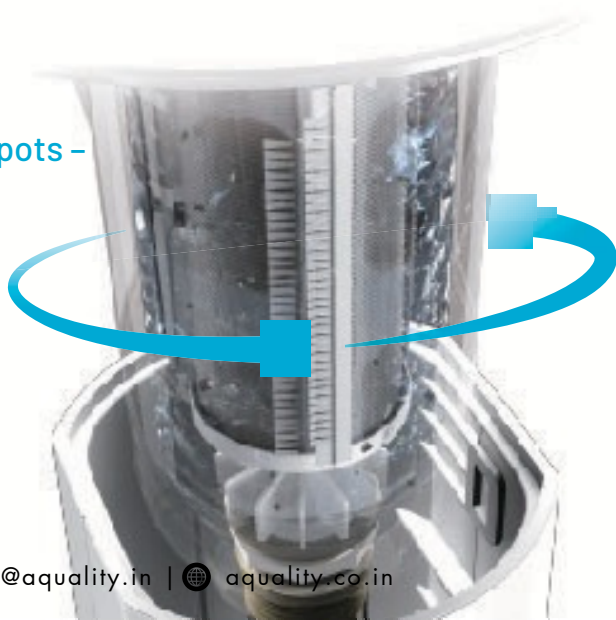
Woven ne-mesh structure ensures uniform pore size.
Efficiently intercepts sediment, rust, and large particles.
Filtration efficiency **>98%**

*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 1977225.9



► 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
BPA-free filter housing
Reliable safety in one step

Crafted with 316L stainless steel filter mesh that is corrosion-resistant, rustproof, and highly durable, paired with a BPA-free filter housing for safe and dependable use in all water applications.

Comprehensive extreme testing

Freeze and pressure resistance

-30C°

Freeze-crack resistance temperature

8MPa

Burst pressure limit

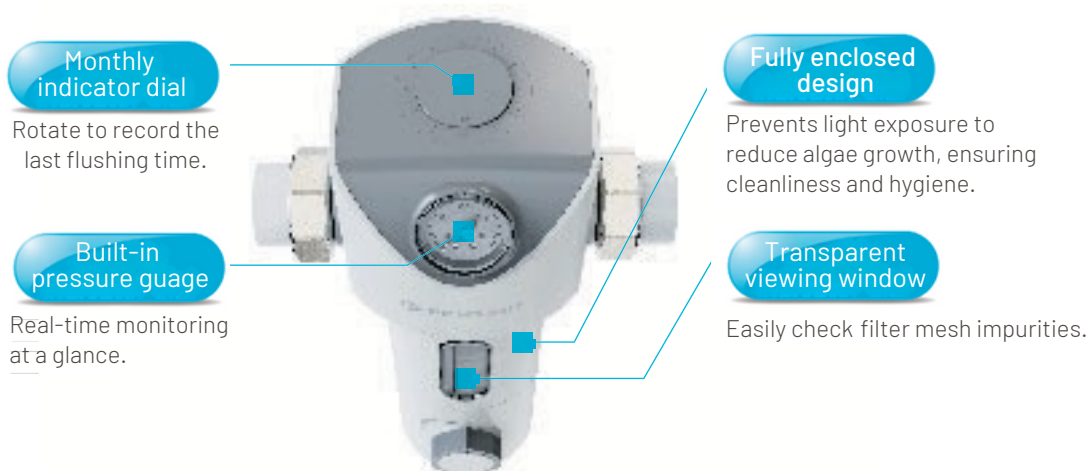
300,000 cycles

Pressure cycle test with no leakage

Built for durability and reliability to ensure safe water usage.



► Innovative Design for Convenient Filtration



Manual universal pre-filter



360° exible 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 rate	6.5T/h
Filtration precision	40µm
Operating pressure	0.1-1.0MPa
Incoming water quality	Municipal tap water

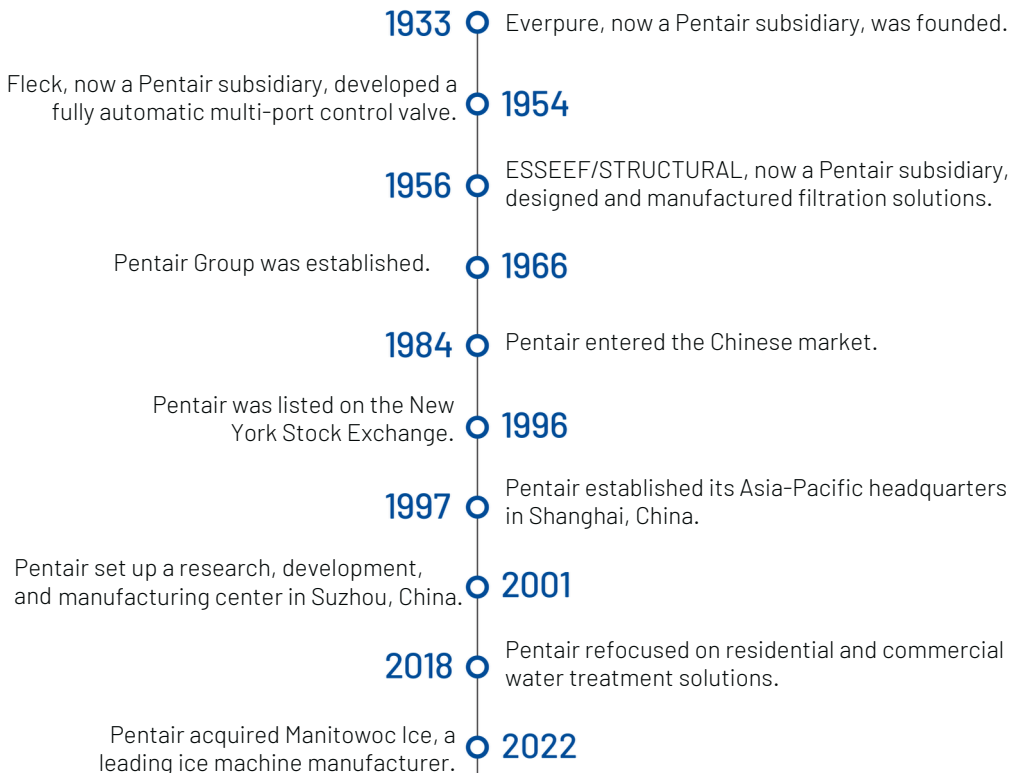
Smart, Sustainable Water Solutions For Life

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 operators' 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
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4.1 billion
Approx. USD 4.1
billion annual
revenue in 2024

150+
countries





Authorized distributor

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