

# PF 500 Water Filtration System

## Description

PF 500 is specifically developed for use in commercial applications. The PF 500 Water Filtration System is designed as a stand-alone unit, consisting of a refillable housing, a fixed or variable bypass head and a replaceable cartridge containing ion exchange resin of your choice with an outlet carbon block. Along with other products in the PF range, the ability to reuse the housing and recycle the media makes this product environmentally friendly.

## Benefits and Applications

PF 500 is particularly suited for Hot or Boiling water applications where there is a need to reduce scale and hardness to protect dispensing equipment thereby reducing servicing costs. It can also be used to give a spot free finish to glass ware, crockery, cutlery and drip trays improving appearances. The carbon block will reduce chlorine levels and improve taste and odor of the water. A lead reduction carbon block can be used if required.

- Boiling water tanks
- Coffee Machines
- Steam Ovens

## Certification

PF 500 Filter housing is certified by IAPMO to NSF standard 42 for microbiological safety and structural integrity:

- Burst pressure of 400 psi
- Hydrostatic to 375 psi for 15 mins
- Cycle testing from 0 - 150 psi 100,000 times

## Specifications

Housing Construction	FDA approved polypropylene with 10% talc
Media type	Ion Exchange Resin with carbon block
Head Options	3/8" Fixed bypass or 15mm variable bypass – 10%, 20%, 30%, 40%
Capacity resin	3,000 litres/800 USG
Max Operating Pressure	8.5 Bar / 120 psi
Operating Temperature range	4°C – 40°C / 39°F - 104°F
Water inflow temperature range	4°C – 40°C / 39°F - 104°F
Flow Rate	5 litres / 1.5 USG per minute
Micron Rating carbon block	Depending on choice – 1 micron or 5 micron
Chlorine reduction	>50% reduction of chlorine @ 2ppm for 90,000 litres / 24,000 USG
Weight dry, wet	3kg, 4kg / 6lbs, 9lbs approx.
Dimensions	125mm W x 125mm D x 460mm H (5 x 5 x 18ins)
Mounting orientation	Vertical or horizontal, once flushed

### NOTES:

Performance capacity depends on system design, mains pressure and flow rate, incoming water parameters and certain other application conditions.

After installation, flush the cartridge for 30 seconds to remove fines before using the water and again after a period of no usage

Estimated capacity using 2 ppm free available chlorine at 0.5 ppm breakthrough.

### WARNING:

Only use with potable water.

Do not use with water that is of unknown quality without adequate disinfection before or after the system



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