



ICS-2 System for Ice Machines, Coffee, and Steamer

Point-of-Use, Sediment-Scale, Chlorine Taste and Odor Reduction

Atlas Filtri® ICS-2 system reduces sediment, scale, and chlorine taste and odor in point-of-use water filtration applications. It is designed for the reduction of small particles and lime scale build-up on equipment, while improving the clarity, odor, and taste of the influent water supply.

The first housing accepts a 5-micron, 20" sediment filter, including ScaleArmor™ to reduce scale build-up on evaporator plates and inside boiler units. The second housing accepts a CTO carbon block filter.

The wall-mounted filtration unit is designed to be installed prior to an ice machine or steamer unit and will accommodate flow rates up to 12 gallons per minute. Designed to withstand pressure of 125 psi (8.6 bar) at 113°F (45°C) maximum temperature. Standard inlet and outlet connection are 3/4" NPT. The head of the unit is reinforced polypropylene and sumps are PET. O-rings are silicone.

Melt-blown CPP smooth cartridges are 20" long and made to comply with the most stringent regulations for applications in drinking water. These five-micron polypropylene cartridges are suitable for many filtration applications due to its wide chemical-physical compatibility to a variety of water-based solutions.

The polyphosphate incorporated into the center core of the filter is designed as a slow release, low-acid media specifically for extreme water conditions found in high temperature filtration applications. The media is designed to last 12 months on 15 grain hard water as it releases slowly into the water supply.

Atlas Filtri is driven to providing our customer with the best available products to meet specific filtration requirements. This is done by using the most advanced manufacturing and design methods. The international patents received come from a constant commitment to research and develop that result in new and innovative products.

Check out more about Atlas Filtri at atlasfiltri.com.



Included

- 3P Plastic DUO Housing
- Plastic DUO Bracket
- Filter Wrench
- O-Rings and Lubricant
- 5-Micron Filter Cartridge with ScaleArmor™
- 5-micron CTO Filter Cartridge

Features	Specifications
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- Designed for ice machine, coffee, and steamer applications
- Accommodates single standard 2.5" OD filter cartridges
- 3/4" NPT inlet and outlet fitting connections
- Includes pressure-relief feature with an O-ring seal. No spring is used that can result in water leaks
- Knife-edge seal at both ends of the cartridge eliminating by-pass
- Standard double open-ended cartridges with scale-reduction media included
- 5-micron polypropylene melt blown filter
- Polyphosphate glassy bead for slow and low even release of media
- CTO carbon block filter for the elimination of chlorine taste and odor in the water

Materials:
 Head Connection: Reinforced Polypropylene
 Housing Construction: PET
 Seal: FDA Grade EPDM
 Filter Construction: Polypropylene
 Filter Media: Glassy Polyphosphate
 Filter Construction: Coconut Shell Carbon Block

Working Conditions:
 Working Temperature Range:
 Min 39.2°F (4°C) – Max 113°F (45°C)

Media temperature range of dissolved polyphosphate:
 Max 220°F (104°C) in heated environment



3P DUO Housing
Made in Italy



Carbon Block Filter Cartridges



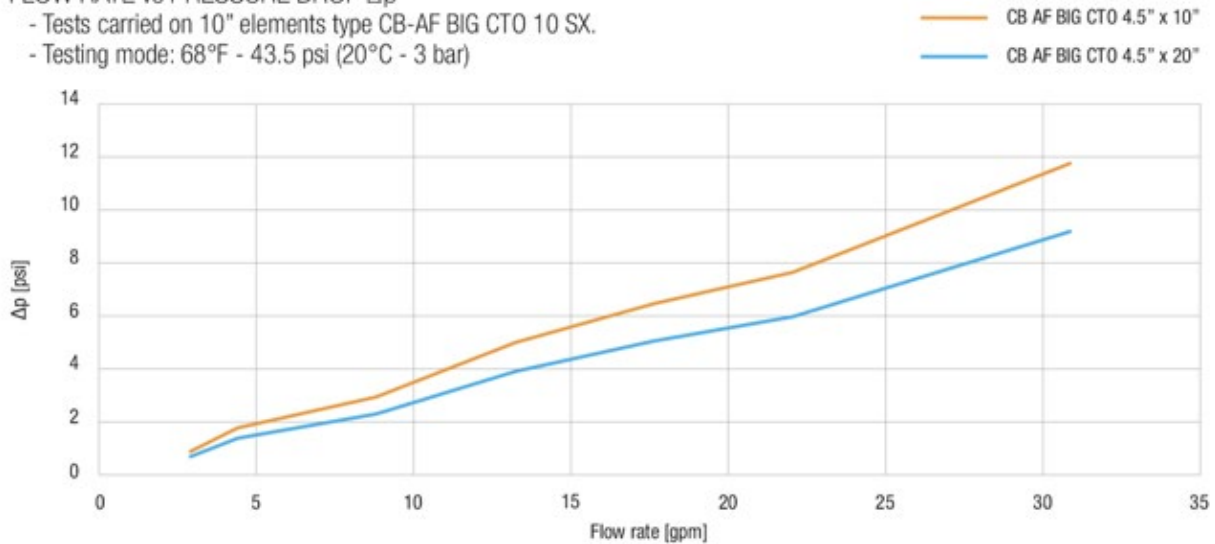
PRODUCT SPECIFICATION and PERFORMANCE

Listed housing models with cartridges

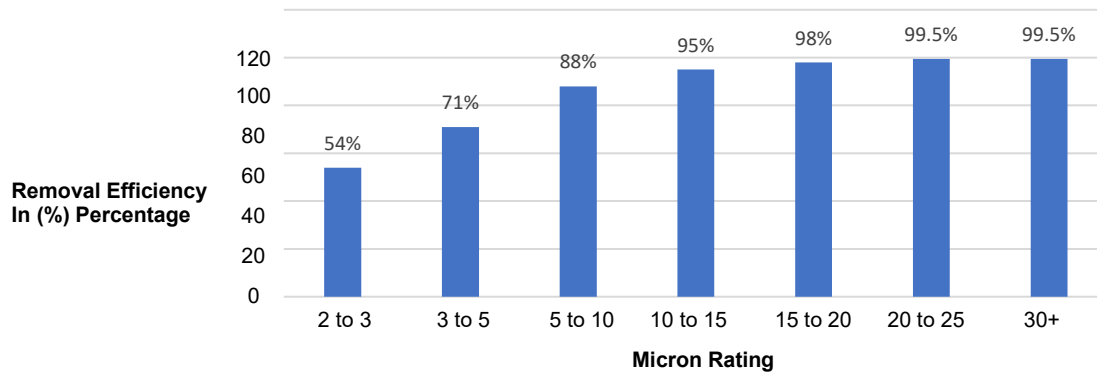
Part Numbers	Description	Size	Fitting	Housing Dimensions	Box QTY	Box Size			Box Weight
ZC116T426	3P DUO 20 ¼ NPT Wall Bracket Wrench Cartridges	2.5" x 20" DUO	3/4" NPT	22.48"x 10.83"	3	25"	18"	15"	22.82 lbs
Replacement Cartridges	Description	Size	Type	Maximum Flow Rate	Box QTY	Box Size			Box Weight
RA5777526	CPP-SP 20 SX 5 mcr with ScaleArmor™	2.5" x 20"	Melt Blown	12 GPM	25	13"	13"	21"	28.85 lbs
RE2520CT5	Carbon Block CTO Filter	2.5" x 20"	Carbon	12 GPM	20	17"	14"	22"	40 lbs

FLOW RATE vs PRESSURE DROP Δp

- Tests carried on 10" elements type CB-AF BIG CTO 10 SX.
- Testing mode: 68°F - 43.5 psi (20°C - 3 bar)



Removal Efficiency in %



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