



DP Big Whole House Taste, Odor and Scale Reduction System

Designed for point-of-entry applications to provide a clean, clear drinking water and protect pipes, appliances, and fixtures

Atlas Filtri® DP Big Sediment, Taste, Odor and Scale Reduction unit is a point-of-entry water filtration system for the whole house. Designed to reduce sediment, taste, color, odor and lime scale build-up.

The first stage of the housing accepts a 5-micron, 20" sediment filter that includes a special grade of polyphosphate media to reduce scale build-up on pipes, dish washers, fixtures, washing machine, and tankless and heating tank systems.

The second stage accepts a 5-micron, 20" carbon block made from coconut shell carbon. Reduces taste, odor and clarity of the water, providing bottle-quality water. The wall-mounted filtration unit is designed to be installed at the entry point of a house to accommodate flow rates of up to 20 gallons per minute. Designed to handle a maximum pressure of 120 psi at 113°F (45°C) maximum temperature. Standard inlet and outlet connections are 1" NPT. Standard head unit is reinforced polypropylene and sump is PET. Standard o-ring is EPDM.

The melt blown BIG smooth cartridge and carbon block come in a 20" length and are made to comply with the most stringent regulations for applications of drinking water. These 5-micron polypropylene cartridges are suitable for many filtration applications due to the wide chemical-physical compatibility for a variety of water-based solutions. The polyphosphate incorporated into the center core of the filter is designed to slowly release. It is a low acid media specifically designed for extreme water conditions found in high temperature filtration applications. The media will last up to 12 months on typical water supplies up to 15 grains hard.

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.

Learn more at us.atlasfiltri.com.



Features

- Designed for residential filtration applications
- Accommodates single standard 4.5" OD filter cartridges
- 1" NPT inlet and outlet fitting connections
- Includes pressure-relief feature that includes an o-ring seal. No spring is used that can result in water leaks due to corrosion
- Knife-edge flat washer at both cartridge ends create a positive and seal eliminating by-pass
- Works with standard double open-ended cartridges with scale reduction media

Specifications

Materials:

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

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

All components sold separately

- DP Big Plastic Housing
- Metal Powder-coated White Bracket
- Filter Wrench
- Lubricant
- 5 Micron Filter with ScaleArmor™
- 5 Micron Carbon Block Filter



PRODUCT SPECIFICATION and PERFORMANCE

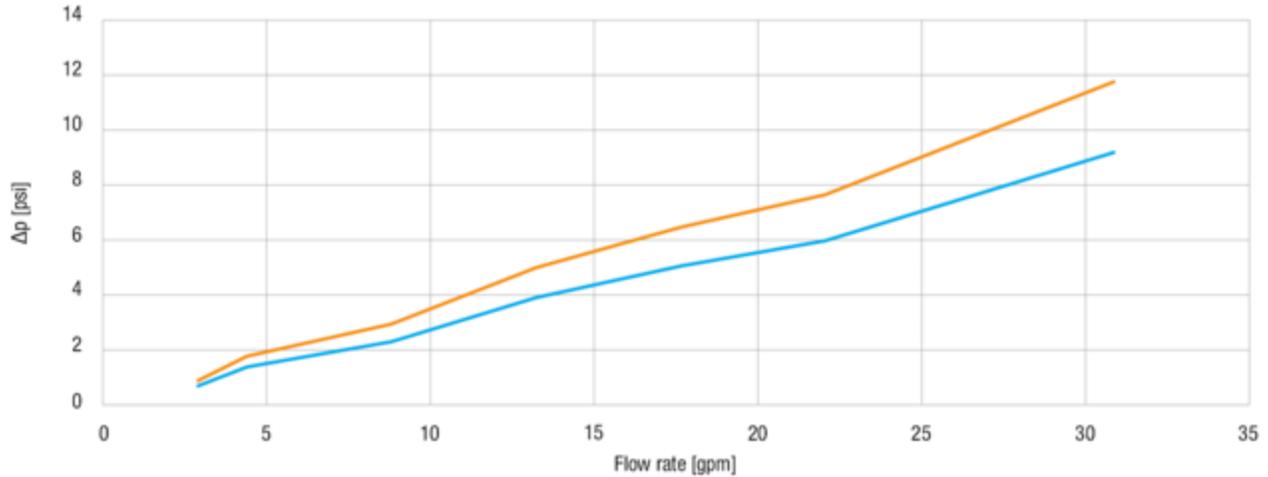
Listed DP BIG housing models with ScaleArmor™ filters and CTO Carbon Blocks

Model	Description	Size	Fitting	Box QTY	Box Size	Weight
ZC1802746	DP Big PS PM 20 Duo 1 NPT IN AB	20"	1"	1	16.1" 26.8" 8.5"	21.56lb

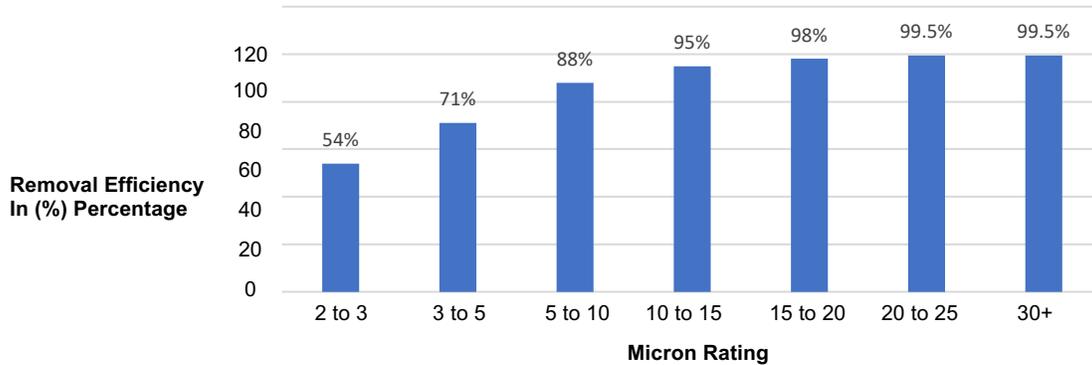
Model	Description	Size	Micron Rating	Box QTY	Box Size	Weight
RA5777608	CPP-SP 20 Big SX 5-micron Sediment-Scale filter	4.5"x 20"	5	6	21.2" 9.8" 14.7"	14.24lb
RE4520CT5	CB-AF Big CTO 20 SX 5 mcr	4.5" x 20"	5	6	17.2" 12.5" 21.5"	42lb

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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