



# DP Big Whole House Taste, Odor, and Scale Reduction System

Designed for point of entry applications to provide 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 in whole house applications.**

The first stage of the filtration system includes a 5-micron, 10" sediment filter with ScaleArmor™ 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, 10" 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 40 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 the sump is PET. Standard O-ring is EPDM.

The melt blown BIG smooth cartridge and carbon block come in a 10" length and are made to comply with the most stringent regulations for applications of drinking water. These five 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](http://us.atlasfiltri.com).



DP Big PET Housing  
Metal Powder-coated White Bracket  
Filter Wrench  
Lubricant

5 Micron Filter with  
ScaleArmor™  
5 Micron Carbon Block Filter

## 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 ScaleArmor™
- Polypropylene melt-blown filters

## 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

System sold complete

## PRODUCT SPECIFICATION and PERFORMANCE

Listed DP BIG housing models with ScaleArmor™ and CTO carbon block cartridges

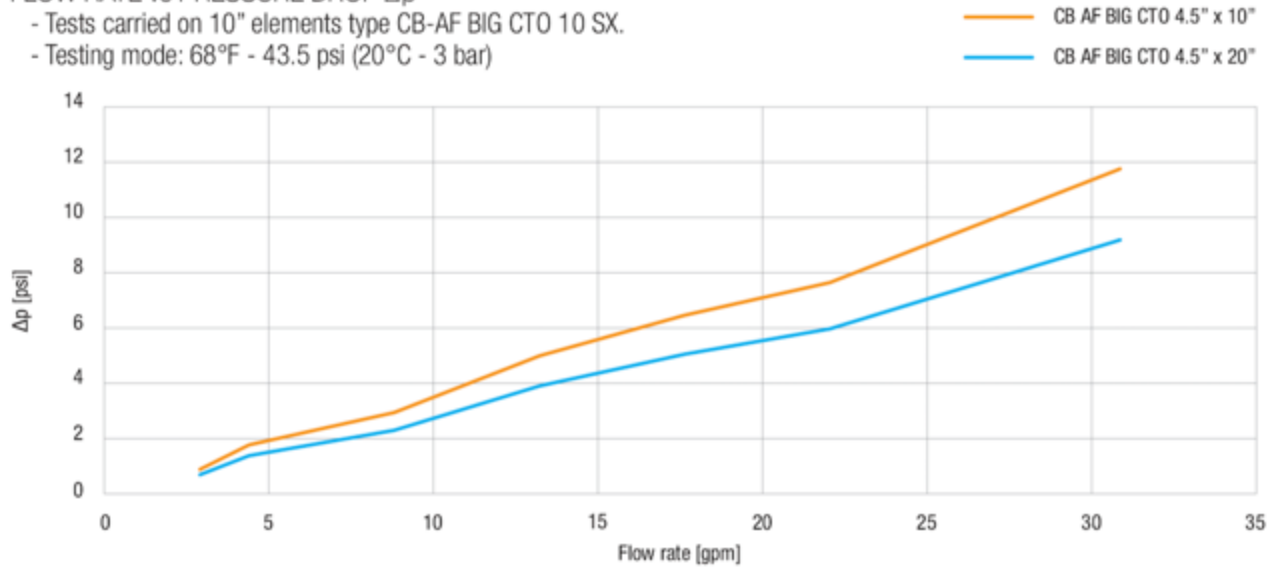
Model	Description	Size	Fitting	Box QTY	Box Size		
ZC1702757	DP Big 10 DUO 1 NPT IN TS	10"	1"	1	16.1"	16.5"	8.5"

### Replacement Cartridges

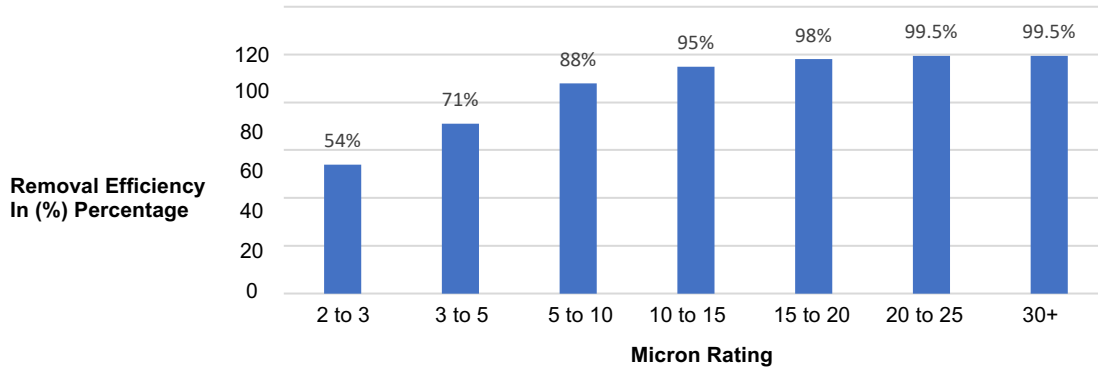
Model	Description	Size	Micron Rating	Box QTY	Box Size			Weight
RA5775608	CPP-SP 10 Big SX 5-micron Sediment-Scale Filter	4.5"x 10"	5	6	21.3"	9.8"	14.7"	14.24lb
RE4510CT5	CB-AF BIG CTO 10 SX 5 mcr	4.5" x 10"	5	6	16.0"	11.5"	10.7"	20lb

### FLOW RATE vs PRESSURE DROP $\Delta p$

- 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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