



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 in whole house applications.

The first stage of the PET housing accepts a 5-micron, 20" sediment filter that includes a special grade of polyphosphate media to reduce scale build up on pipe: dish washers, fixtures, washing machine, 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 water quality

The wall mount 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 120psi @ 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 five (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 6 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.



DP Big Plastic Housing
Metal Powder Coated White Bracket
Filter Wrench
Lubricant

5 Micron Scale Reduction Filter
5 Micron Carbon Block Filter
(Ordered Separately)

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-end cartridges with scale reduction media included

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

PRODUCT SPECIFICATION and PERFORMANCE

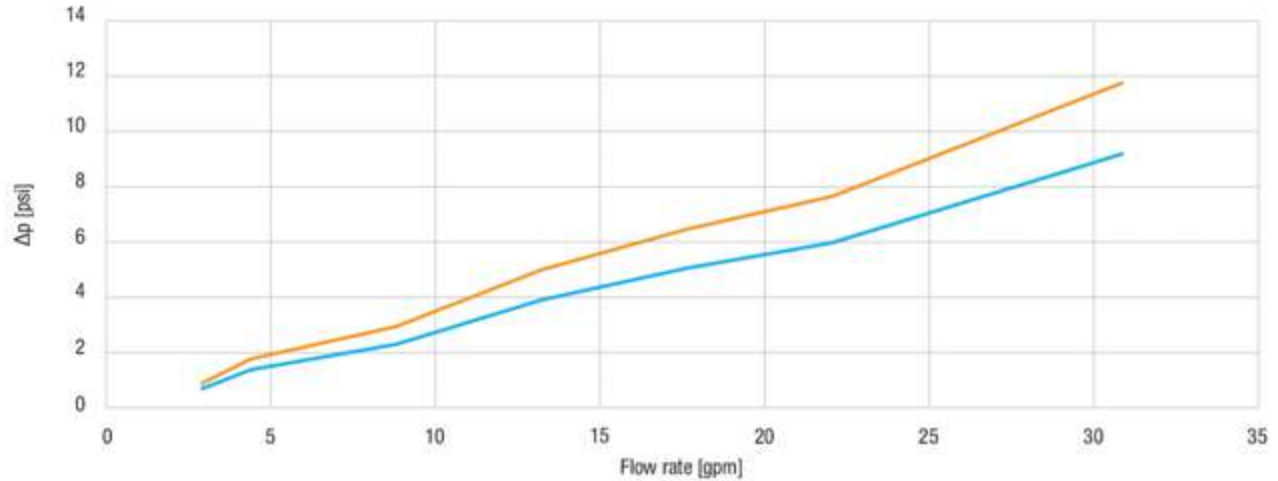
Listed DP BIG housing models with sediment and scale reduction cartridges

Model	Description	Size	Fitting	Box QTY	Box Size	Weight
ZA18002745	DP Big SM 20 Duo 1 NPT IN AB	20"	1"	1	16.1" 26.8" 8.5"	21.56lb

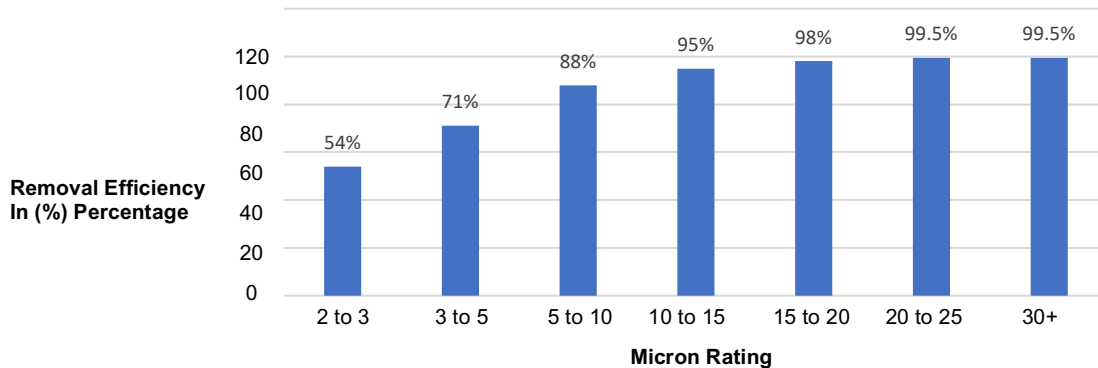
Model	Description	Size	Micron Rating	Box QTY	Box Size	Weight
RA5777608	CPP-SP 20 Big SX 5 micron Sediment/Scale filter	4.5"x 20"	5	6	21.2" 9.8" 14.7"	14.24lb
RE4520CT5	CB-AF Big CTo 20 SX 5 mcr	4.5" x 20"	5	6	17.2" 12.5" 21.5"	42lb

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 %



Atlas Filtri® is a registered trade mark of ATLAS FILTRI srl. Unauthorized use of the registered trade mark is prohibited. Images and context are the property of ATLAS FILTRI srl, which reserves the right to change product design and specification without prior notification.

Atlas Filtri North America LLC

1068 North Farms Road, Building 3, Wallingford, CT 06492, USA

Office +1 (203) 284-0080 - Fax +1 (203) 294-9226 – email: atlasfiltrinorthamerica@atlasfiltri.com

A Company of the Atlas Filtri Group. World headquarters and production facilities located in Italy.

