



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

Designed for high flow 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 high flow 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 pipes, dish washers, fixtures, washing machine, tankless and heating tank systems.

The second and third stages accept 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



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

5 Micron Scale Reduction Filter
5 Micron Carbon Block Filter (QTY 2)
(Ordered Separately)



NSF/ANSI Test and Approved
IAPMO Certification

Features

- Designed for high flow residential filtration applications
- Accommodates (3) 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

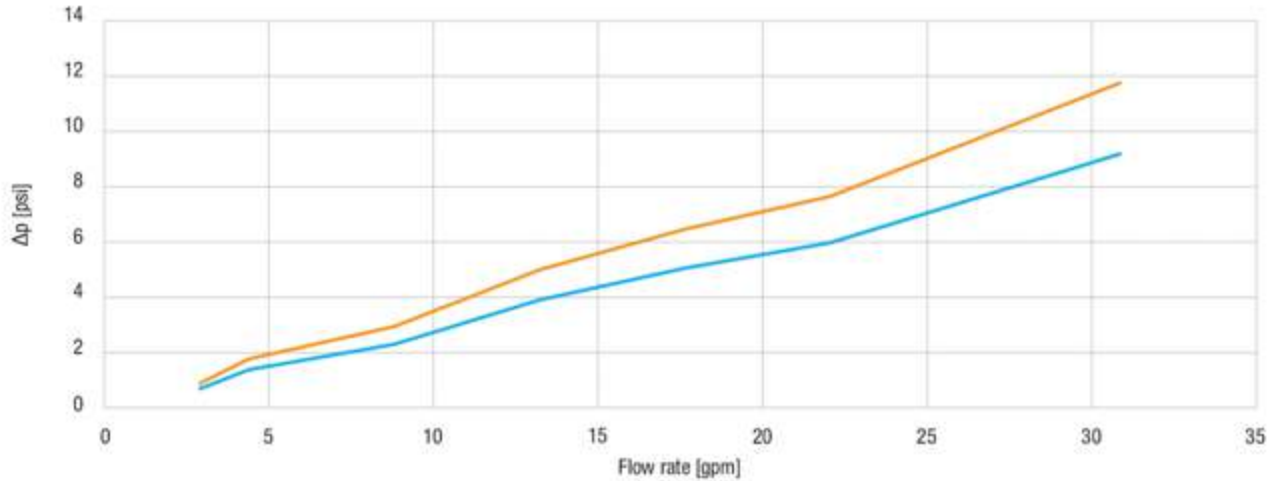
Listed DP BIG housing models with sediment and scale reduction cartridges

Model	Description	Size	Fitting	Box QTY	Box Size	Weight
RA18032756	DP Big SM 20 Trio 1 NPT IN AB	20"	1"	1	18" 24" 8.5"	17.30lb
RB7401043	DP Big Duo Wall Bracket Drain Kit DP					
LB7221134	Drain Kit DP Big (QTY 3)		1/2"			
AA9020638	Gauge DP Big (QTY 4)		1/8"			

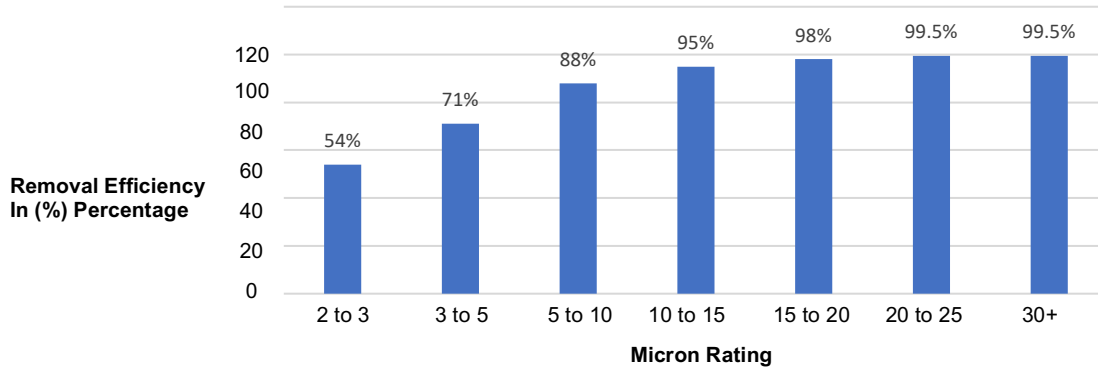
Model	Description	Size	Micron Rating	Box QTY	Box Size	Weight
RA5777608	CPP-SP 20 Big SX 5 micron Sediment/Scale filter	4.5"x 20"	5	6	21.2" 9.8" 14.7"	14.24lb
RE4520CT5	CB-AF Big CTO 20 SX 5 mcr	4.5" x 20"	5	6	17.2" 12.5" 21.5"	42lb

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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