



# DP Big Whole House Scale Reduction System

## Point-of-Entry, Sediment, and Scale Reduction

Designed for whole house to protect pipes, appliances, and fixtures

Atlas Filtri® DP Big Scale Reduction Unit is a point-of-entry water filtration system for the reduction of sediment and lime scale build up in whole house applications.

The PET housing accepts a 5-micron, 10" 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 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 CPP BIG smooth cartridge comes in a 10" length and is made to comply with the most stringent regulations for applications in 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  
and  
5 Micron Scale Reduction 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-end cartridges with scale reduction media included

### Specifications

**Materials:**

Head Connection: reinforced polypropylene  
Housing Construction: PET  
Seal: FDA Grade EPDM  
Filter construction: polypropylene  
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

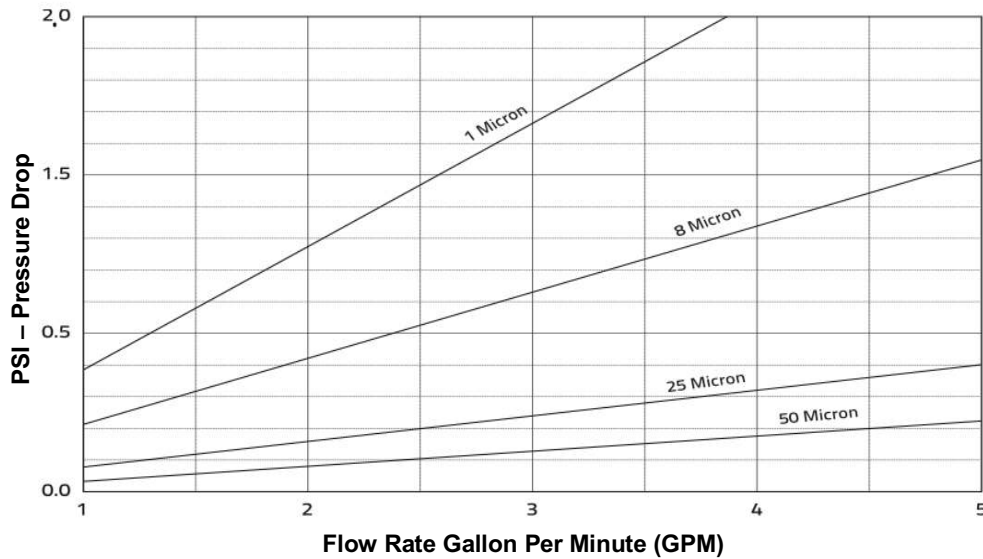
## PRODUCT SPECIFICATION and PERFORMANCE

Listed DP BIG housing models with sediment and scale reduction cartridges

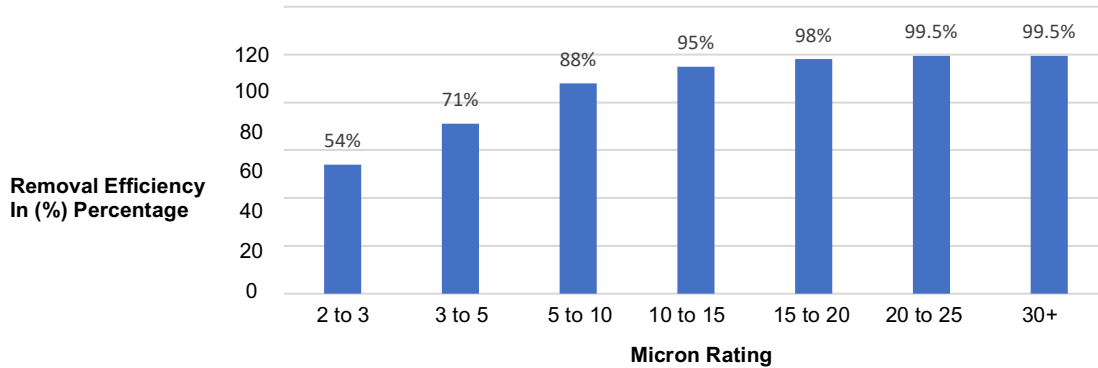
Model	Description	Size	Fitting	Box QTY	Box Size			Weight
RA1700721	DP BIG 10 Mono 1 NPT IN TS Wrench DP BIG (Included) Lubricant for O-ring (Included)	4.5"x 10"	1" NPT	4	16.5"	16.5"	18"	20.35lb
AA9020638	Pressure Gauge (Quantity 2)	2.5"	1/8"	1				
LB7221129	Drain Kit DP Big (Air Gap)	Hose Big	1/2"	1				

Model	Description	Size	Micron Rating	Box QTY	Box Size			Box Weight
RA5775608	CPP-SP 10 Big SX 5 micron Sediment/Scale filter	4.5"x 10"	5	12	21.2"	9.8"	14.7"	14.24lb

Filter Performance Curve (20")



## 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](mailto:atlasfiltrinorthamerica@atlasfiltri.com)

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