



DP BIG Whole House Scale Reduction System

Point-of-Entry, Sediment and Scale Filtration

Designed for whole house to protect pipes, appliances and fixtures

Atlas Filtri® DP BIG Scale Reduction Unit ZC1700749 is a point-of-use water filtration system for the reduction of sediment and lime scale build-up in whole house applications.

The polypropylene housing accepts a 5-micron, 10" sediment filter that includes Atlas Filtri's special grade of polyphosphate media, ScaleArmor™, to reduce scale build-up on heater coils and tank heating systems.

The wall mounted filtration unit is designed to be installed prior to a water heating unit to accommodate flow rates of up to 20 gallons per minute. The maximum inlet water pressure of 120psi at 113°F (45°C) maximum temperature makes it the highest performing system available. Standard inlet and outlet connections are 1" NPT. Standard head unit is reinforced polypropylene and the sump housing is PET. Standard o-ring is EPDM.

Melt-blown CPP smooth cartridges with a length from 10" are 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 their wide chemical-physical compatibility to a variety of water-based solutions.

The polyphosphate incorporated into the center core of the filter is design as a slow release, low acid media, specifically for extreme water conditions found in high temperature filtration applications. The media is designed to last 1 year on up to 15 grain hard water as it releases slowly into the water supply.

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.

Check out more about Atlas Filtri at atlasfiltri.com.



DP BIG Housing
Metal Bracket
Filter Wrench
Gauges and Drain Kit
5 Micron Sediment Cartridge
with ScaleArmor™

Features

- Designed for residential and light commercial 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
- Knife-edge seal at both ends of the cartridge for a positive seal eliminating by-pass
- Standard double open-ended cartridges with scale reduction media included
- 5-micron polypropylene melt blown filters
- Polyphosphate glassy bead for slow and low even release of media

Specifications

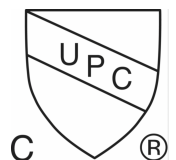
Materials:

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

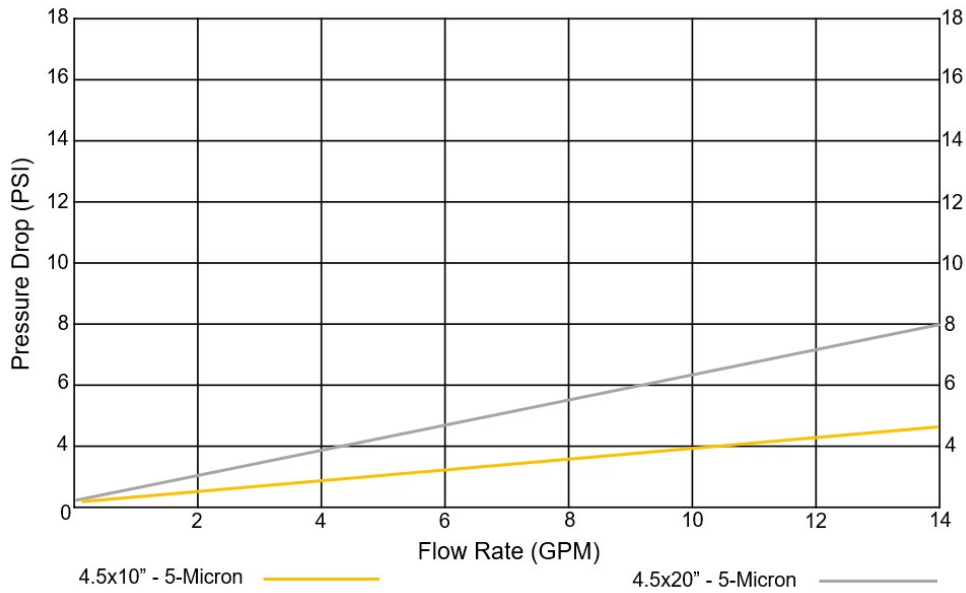


PRODUCT SPECIFICATION and PERFORMANCE

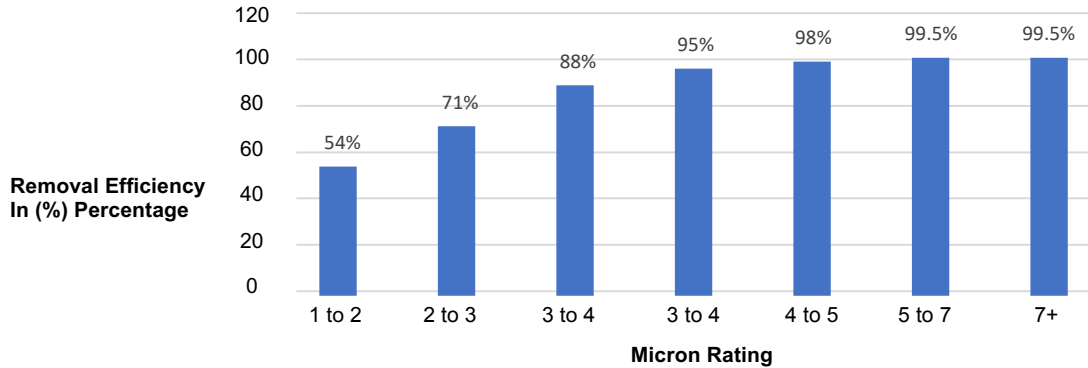
DP BIG housing model with sediment and scale reduction cartridge

Model	Description	Size	Fitting	Box QTY	Box Size			Box Weight
ZC1700749	DP BIG 10 Mono 1 NPT Clear with Gauges and Drain Kit	4.5"x 10"	1" NPT	2	16.5"	16.5"	18"	20.35lb

Replacement Cartridge	Description	Size	Micron Rating	Box QTY	Box Size			Box Weight
RA5775608	CPP-SP 10 Big SX 5 micron with ScaleArmor™	4.5"x 10"	5	12	21.2"	9.8"	14.7"	14.24lb



Removal Efficiency in %



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