



# DP Scale Reduction Tankless Water Heater Unit

## Sediment & Scale Reduction Unit with Gauges & Stainless Inserts

Designed for water heaters and tankless heating systems

Atlas Filtri® DP Scale Reduction Unit is a point-of-use water filtration system for the reduction of sediment and lime scale build-up on the inside of water heaters and tankless heating systems.

The polypropylene housing accepts a 5-micron, 20" 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, accommodating flow rates up to 14 gallons per minute. Designed to handle pressure of 125psi (8.6 bar) up to 113°F (45°C) with a standard inlet and outlet connection of 3/4" NPT. Head is reinforced polypropylene and sump is PET. Standard o-ring is EPDM. Filter cartridge replacements are estimated at 1 year on 15 grain hard water.

Melt-blown smooth cartridges are 20" long and made to comply with the most stringent regulations for applications in drinking water. This 5 micron polypropylene cartridge are suitable for many filtration applications, due to its wide chemical-physical compatibility to a variety of water-based solutions.

The ScaleArmor™ incorporated into the center core of the filter is designed as a controlled release, low acid media, specifically for extreme water conditions found in high temperature filtration applications. The media is designed to last up to one one year as it releases slowly into the water supply. Expected results are spot-free dishes, softer laundry feel, and reduced build-up of scale on heating units, pipes, and fixtures.

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.



- Includes**
- DP Plastic Housing
  - Plastic Bracket & Wrench
  - O-Ring and Lubricant
  - 5 Micron Sediment Cartridge with ScaleArmor™
  - 3/4" Stainless Steel FNPT Threads
  - Pressure Gauges



Features	Specifications
----------	----------------

- Designed for residential applications
- Accommodates standard 2.5" OD filter cartridges
- 3/4" NPT inlet and outlet fitting connections
- Includes pressure-relief feature O-ring seal. No spring is used that can result in water leaks
- Knife-edge filter seal at both ends
- Standard double open-ended cartridges with scale reduction media included
- Stainless 316 inserts at the inlet and outlet
- Dual pressure gauges for filter monitoring
- 5-micron polypropylene melt blown filters
- Polyphosphate glassy beads for slow and low even release

**Materials:**

Head Connection: Reinforced Polypropylene  
 Housing Construction: PET  
 Inserts: Stainless Steel 316  
 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)

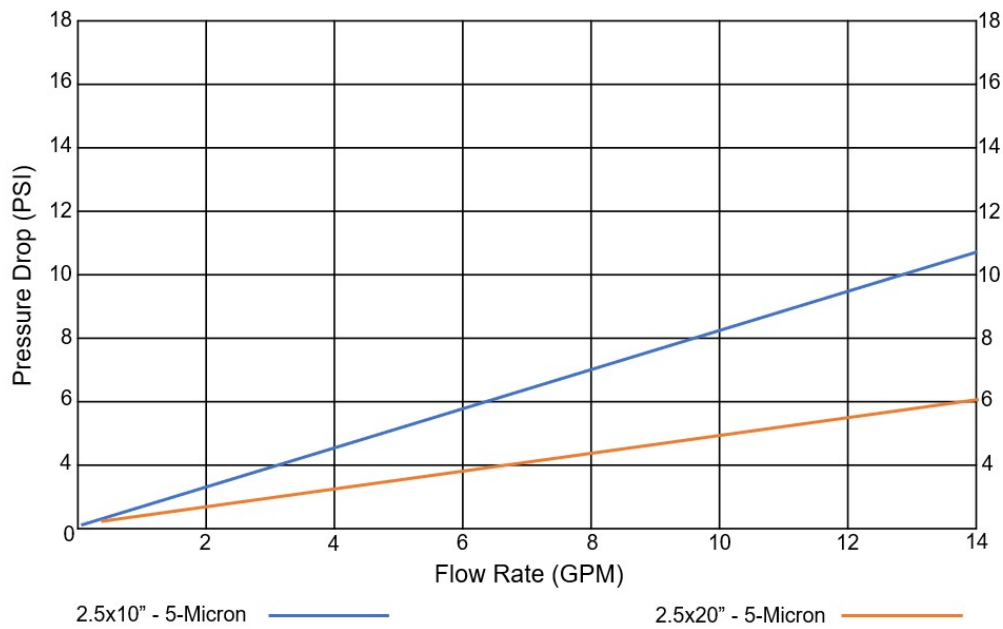
Media temperature range of dissolved polyphosphate: Max 220°F (104°C) in heated environment

## PRODUCT SPECIFICATION and PERFORMANCE

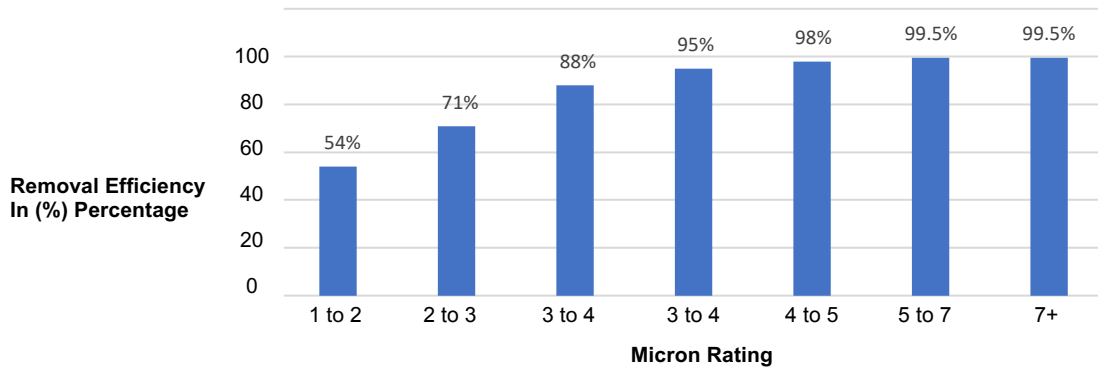
Listed DP housing models with sediment and scale reduction cartridges

Kit Model	Description	Size	Fitting	Housing Dimensions	Box QTY	Box Size	Box Weight
ZC1381482	DP 20" Mono 3/4 NPT Blue 2 Gauges, Stainless Steel Inserts, and 5 Micron Cartridge	2.5"x 20"	3/4" NPT	22.72"x 4.80" (577x 122mm)	6	24.6" 17.9" 14.6"	24.58lb

Replacement Cartridge	Description	Size	Type	Maximum Flow Rate	Box QTY	Box Size	Box Weight
RA5777526	CPP-SP 20 SX 5 mcr Sediment-Scale Reduction	2.5"x 20"	Melt Blown	14 GPM	25	13" 13" 21"	28.85lb



### 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.