



# DP Scale Reduction Tankless Water Heater Unit

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

Designed for water heaters and tankless heating systems

**Atlas Filtri® DP Reduction Scale 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, including a special grade of polyphosphate media to reduce scale build-up on heater coils and heating tank systems.**

The wall mounted filtration unit is designed to be installed prior to a water heating unit to accommodate flow rates of up to 14 gallons per minute. Designed pressure of 125psi (8.6 bar) @ 113°F (45°C) maximum temperature. Standard inlet and outlet connection are 3/4" NPT. Standard head unit 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 CPP 20" smooth cartridges 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 its 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 one year 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.



- Included**
- DP Plastic Housing with Gauges
  - Plastic Bracket
  - Filter Wrench
  - O-Ring and Lubricant and 5 Micron Sediment/Scale Reduction Filter Cartridge

### Features

- Designed for residential filtration applications
- Accommodates single standard 2.5" OD Filter Cartridges
- 3/4" 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 for a positive and 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



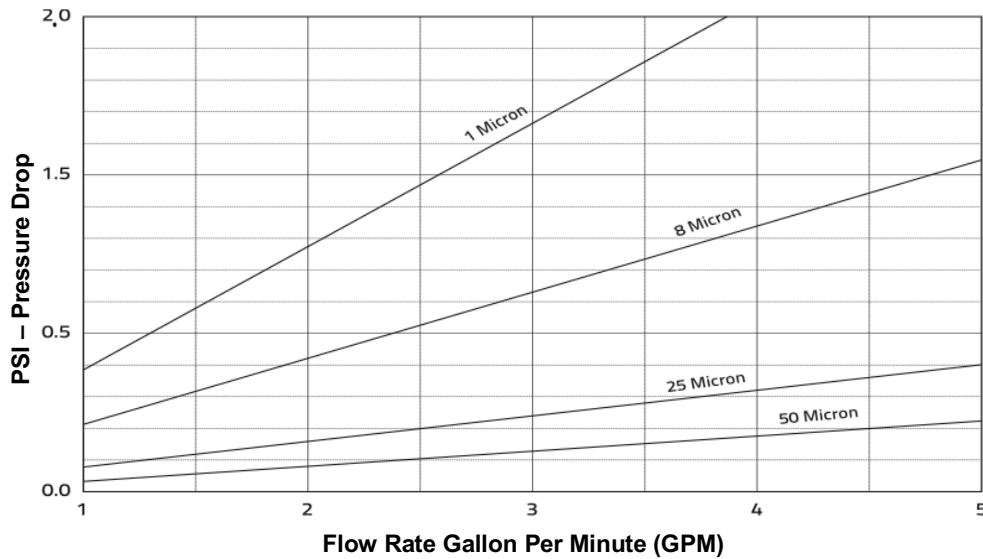
## PRODUCT SPECIFICATION and PERFORMANCE

Listed DP housing models with sediment and scale reduction cartridges

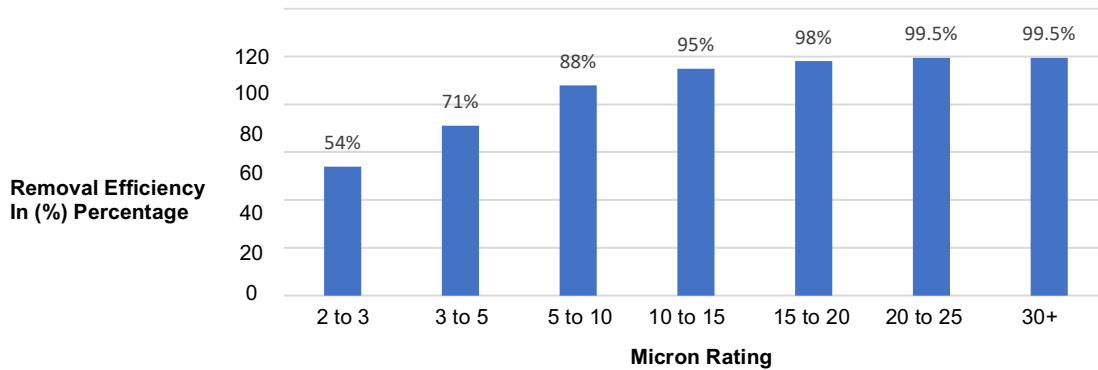
| Kit Model | Description                                     | Size      | Fitting  | Housing Dimensions            | Box QTY | Box Size |       |       | Box Weight |
|-----------|---|-----------|----------|-------------------------------|---------|----------|-------|-------|------------|
| ZC1381447 | DP Mono 2.5"x20" Blue 3/4 Gauges Sediment-Scale | 2.5"x 20" | 3/4" NPT | 22.72"x 4.80"<br>(577x 122mm) | 6       | 24.6"    | 17.9" | 14.6" | 24.69lb    |

| Replacement Filter | 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    |

Filter Performance Curve (20")



Removal Efficiency in %



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