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 housing is designed to be installed prior to a water heating unit to accommodate flow rates of up to 14 gallons per minute. Designed to handle pressure up to 125psi (8.6 bar) at a maximum temperature of 113ºF (45ºC) Standard inlet and outlet connection are 3/4" NPT. The head is made with reinforced polypropylene and the sump is PET. Standard O-ring is EPDM.

Melt blown CPP smooth cartridges at 20" 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 the wide chemical-physical compatibility to a variety of water-based solutions.

The polyphosphate incorporated into the center core of the filter is designed as a slow release, low-acid media, specifically for extreme water conditions found in high temperature filtration applications. The media is designed to last 12 months as it releases slowly into the water supply.

Atlas Filtri is driven to providing our customers 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 development, resulting in new and innovative products.

Included
DP Plastic Housing
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
- ¾" 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 39.2ºF (4ºC) – Max 113ºF (45ºC)

Media Temperature Range of Dissolved Polyphosphate:
Max 220ºF (104ºC) in heated environment

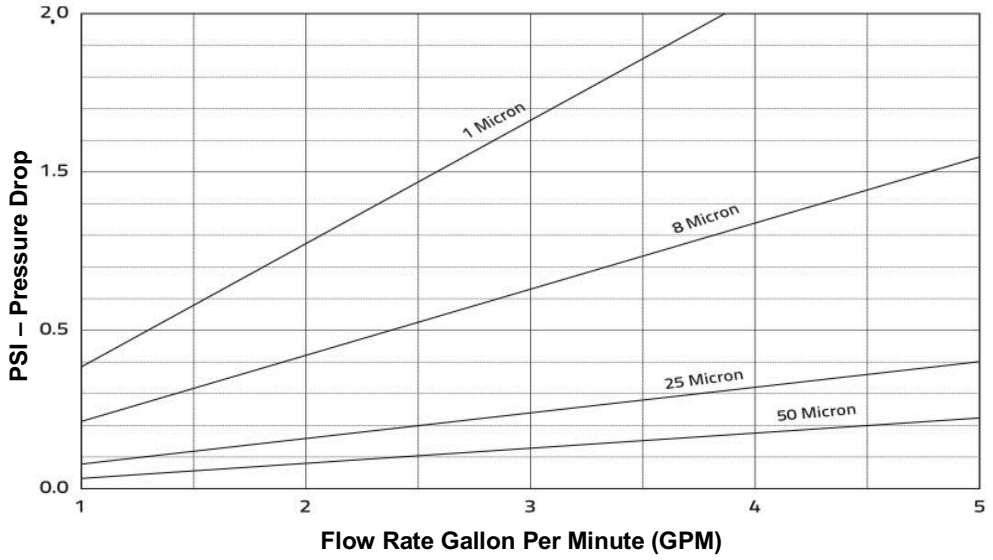
PRODUCT SPECIFICATION and PERFORMANCE

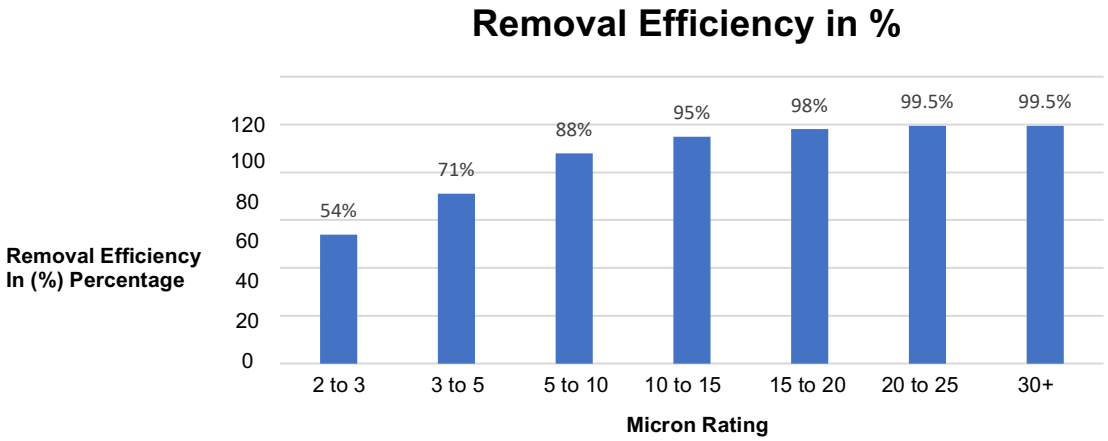
Listed DP housing models with sediment and scale reduction cartridges

Kit Model	Description	Size	Fitting	Housing Dimensions	Box QTY	Box Size			Box Weight
ZC1381427	DP 20 RT Mono ¾ NPT IN AB Complete+CPP20 RT SX 5 micron	2.5"x 20"	3/4" NPT	22.72"x 4.80" (577x 122mm)	6	24.6"	17.9"	14.6"	24.19lb

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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