



ScaleArmor™ Scale Reduction Solution for Whole House Application

Designed for point-of-entry applications for the reduction of scale build-up on pipes, pumps, appliances, and fixtures.

Atlas Filtri[®] offers a new and innovative type of whole house, scale reduction technology branded as ScaleArmor™. Packaged in the robust DP BIG housing system, this proprietary technology reduces corrosion and scale build-up commonly found in drinking water. The system is offered in a 20" housing to ensure adequate flow and reduced pressure drop.

The system includes 4 lbs. of ScaleArmor™ scale-reduction media. The wall mounted filtration unit is designed to be installed at the entry point of a house to accommodate flow rates up to 15 gallons per minute. Designed to handle a maximum pressure of 120 psi @ 113 °F (45 °C) maximum temperature. Standard inlet and outlet connections are 1" NPT. ScaleArmor™ is an approved technology by IAPMO R&T that meets the current Z601 standard for scale reduction.

The media used does not soften the water but breaks down the calcium and magnesium in the water that are known to cause scale. The process leaves the mineral in the water but keeps it from sticking to metal contact parts. The media works equally well on hot and cold-water supplies and is designed to last 12 months on most residential applications.

The housing is offered with many priority features such as tapered threads for easy serviceability, o-ring and cap pressure relief to reduce common vent failures, NSF Standard 61 for safety, and molded bracket threads. The housing kit is offered with the housing, cartridge, wrench, bracket, o-ring, lubricant, and instructions in one box.

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 development that results in new and innovative products.

For more information, visit www.atlasfiltri.com.



DP BIG Filtration Kit

- Filter Housing
- O-ring & Lubricant
- Filter Housing Wrench White Powder-coated Bracket

Filtration Cartridge

- 4 lbs. ScaleArmor™ Media



Housings with plastic connections, as components tested and certified by IAPMO R&T to NSF/ANSI 42 - Material Safety and Structural Integrity only, 61, 372 - lead free, CSA B483.1.

Features

- Designed for residential filtration applications
- Proprietary o-ring seat for positive seal
- Proprietary pressure relief cap and o-ring
- Robust housing design NSF-61
- Tapered housing threads for easy service
- Molded in bracket threads
- Recessed pipe threads for reduced fitting cracking and failure
- Estimated scale reduction for 12-months on 15-grain hard water

Specifications

- Materials:**
- Head and Housing Construction: Reinforced Polypropylene
 - O-ring Seal: FDA Grade EPDM
 - Filter media: ScaleArmor™
- Working Conditions:**
- Working Temperature Range:
 - Min 39.2°F (4°C) – Max 113°F (45°C)
 - Service flow rate Approximately 15-GPM
 - Media temperature range of dissolved polyphosphate o Max 220°F (104°C) in heated environment

Certifications

- IAPMO Z601 - 86%
- Test specimen was conducted in a tankless system
- Water heated to 162°
- Synthetic water was used in testing



Scale Armor™ media system is certified by IAPMO R&T against IAPMO Z601 for scale reduction for 1 lb/gpm media to flow rate ratio. Scale Armor™ media is certified by IAPMO R&T against IAPMO Z601 for material safety requirement.

