



# Arsenic Backwash Filtration Systems

## Point-of-Entry, High Flow Filtration Design

For light commercial and whole house applications

**Atlas Filtri® automatic backwash arsenic reduction system is designed for reduction of arsenic III and V from your water supply. Includes the reduction of a wide range of heavy metals including lead, cadmium, copper, chromium+6, selenium, and zinc from the supply water.**

The Atlas Filtri® systems deliver between 8, 10 and 12-GPM to every distribution location throughout the entire house or facility. The high flow rate is suitable for both residential and light commercial applications. The fully automatic pre-programmed electronic control valve can provide arsenic-free water for every faucet and appliance in the home or facility. 110V/60HZ Electrical requirement. Tank jacket protects the tank from ozone and ultraviolet light effects This highly efficient system uses MetSorb media, which makes it long-lasting, high performing and low maintenance overall. The components used in this system were designed and manufactured in the USA and meet NSF/ANSI standards for aesthetics.

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 result in new and innovative products.

Check out more about Atlas Filtri at [atlasfiltri.com](http://atlasfiltri.com).



Arsenic Backwash Technology  
Metered Flush Cycle

### Features

- Designed for residential, well & light commercial filtration applications
- 1" FNPT or 1.25" FNPT inlet & outlet fitting connections
- Lead free system design
- Effectively reduces Arsenic III and V as well as lead, cadmium, copper, chromium+6, selenium, and zinc
- Service rates of 10, 12 or 14 gpm are available depending upon model
- Backwashing keeps the media performing effectively for years of chemical reduction
- Programmable meter with 110/60hz electrical requirement
- NEMA electrical plug
- 5/8" OD – 1/2" ID Drain Line for high backwash flow rate
- Fast kinetics to work effectively at high flow rates
- Protective tank jacket
- Pressure drop is less than 5 psi
- One year warranty on structural integrity

### Specifications

- **Materials:**  
Head Connection: reinforced polypropylene  
Housing Construction: Fiberglass  
Seal: EPDM O-Ring  
Media: Metsorb
- **Working Conditions:**  
*Temperature Range:* 39°F - 113°F (4°C - 45°C)  
*Pressure Range:* 20 - 90 PSI (1.8 - 8.3 BAR)  
*Typical Pressure Drop:* < 5 psi  
*pH Range:* 6.5 - 8.5  
*Meter Electrical Requirements:* 110V/60Hz  
*Minimum Flow Rate:*  
- 1.5 cu.ft, 8 gpm (30 lpm) service flow rate  
- 2.0 cu.ft, 10 gpm (38 lpm) service flow rate  
- 2.2 cu.ft, 12 gpm (45 lpm) service flow rate
- **Certifications:**  
- Media is Certified to NSF/ANSI Std 61, AWWA B604-96 & EN12915

# PRODUCT SPECIFICATION AND PERFORMANCE

## Backwash Arsenic Filtration Systems in standard models

Part Number	Description
BW-AS-1MPT-08	Backwash Filter Arsenic Metsorb, 1.5 cu ft, 10 x 54 - 1", MPT Meter Filter 8 GPM
BW-AS-1MPT-10	Backwash Filter Arsenic Metsorb, 2.0 cu ft, 12 x 52 - 1", MPT Meter Filter 10 GPM
BW-AS-1.25MPT-12	Backwash Filter Arsenic Metsorb, 2.2 cu ft, 1 x 52 - 1.25", MPT Meter Filter 12 GPM

Do not use with water that is microbiologically unsafe or on unknown quality without adequate disinfection before or after the system.

Water Contaminants*	Required Water Conditions
pH	7.0 - 7.8
H <sub>2</sub> S - Hydrogen sulfide	No more than 1 ppm
Iron, Total	Total Iron 8 ppm
Manganese, Total	0.50 ppm
Turbidity (NTU)	1 NTU
Uranium	0 ppm
E. coli bacteria	0 ppm
Total Coliform bacteria	0 ppm
Iron related bacteria	0 ppm
Sulfate reducing bacteria	0 ppm
Chlorine	Less than 0.5 ppm

\* See manual for other contaminants to test for

Check out all of Atlas Filtri's various solutions and kits to meet the application requirement for your filtration needs at [atlasfiltri.com](http://atlasfiltri.com)



Hydra Self-Cleaning Pre-Filter  
90-Micron System

Protects Backwash Filter Valves from small sedimentation



DP Big Whole House Post Filter Chemical  
reduction filter system

CTO Chlorine Taste and Odor and  
chemical reduction

Offers clear cleaning and great tasting  
water throughout the entire house



DP Big Whole House Post Filter Sediment,  
Scale, Corrosion and Chemical reduction  
filter system

CTO Chlorine Taste and Odor and  
chemical reduction

Offers clear cleaning and great tasting  
water throughout the entire house



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