



Markets

AQUA-AsF Arsenic filters can be used in a variety of residential, commercial & municipal drinking water applications.

- Residential drinking water
- Whole-house filtration
- Laboratories
- Medical /hospital / research
- Hotels & restaurant
- Food & dairies
- Coffee vending machine
- Refrigerators
- Ice makers
- Food chain store
- Water coolers
- Juice & fountain
- Drinking water plants
- Water dispensers
- Community water filtration systems

Arsenic is a semi-metal element that has no taste, odor, or color. It occurs naturally in the environment, or comes in water as a by-product of mining, or agricultural areas when materials containing arsenic are used in car batteries, ammunition, semiconductor, ore processing, pesticides, treated wood products, herbicides, and insecticides.

Arsenic is considered highly toxic and a carcinogen. Whilst high level of arsenic is understandably an alarming, however, at low levels, arsenic is a perfectly safe chemical to consume. Arsenic becomes dangerous when consumed in high quantities over prolonged periods. Some of the common health issues linked to arsenic are skin lesions, skin cancer, vascular disease, damage to the nervous system and organ cancer. These conditions come about as a direct result of the damage that arsenic causes blood vessels and nerves within the human body.

AQUA AsF Arsenic filter system is ideal for providing you with cleaner and healthier water. These arsenic filters produces high quality water free of As-arsenic to suit any household, commercial and municipal application. Like other filters, arsenic filters consist of an adsorbent vessel filled with a supported layer of gravel. These arsenic filters include both automatic backwash valve unit allowing the system to be operated with minimal human intervention and manual backwash system as well. The backwash is typically set at once/twice a week to remove some sediment, and mostly to reclassify the bed. Water quality parameters such as phosphate, silica, pH, NTU and the temperature considerably effect the arsenic removal efficiencies. For high turbidity water or water with iron we recommend pre-treatment to remove any silt or iron.

Our arsenic filter uses specially designed effective adsorption media carrying proven history across the world for removing heavy metals including both types of arsenic III and arsenic V, providing long operating cycles and lower operating costs than alternative technologies. This media shown a higher arsenic removal capacity and a lower level of ion interference. It effectively remove arsenic in shortest designed contact times thus achieve high arsenic removal efficiencies.

When treated water quality drops below specification, the arsenic removal media must be replaced. The exhausted arsenic removal media is non-hazardous and can be sent to a landfill.

AQUA-As systems offer a new dimension in water treatment equipment and have been engineered for simplicity and performance in mind. **Water 2000** offers a complete range of Auqa AsF systems with optional pre- and post- treatment modules and may be customized to fit your application allowing greater flexibility in order to achieve the necessary water quality.

AQUA-AsF Arsenic Filter Series

Salient Features

- Carry best quality As removal for effective As removal
- Fiberglass reinforced construction for longer corrosion resistant life.
- Manual backwash or automatic backwash control valve
- Easy and quick connections
- All corrosion free internals.
- 3-6 bar operating pressure
- Simple design for ease of operation setting & service.

Accessories Available

- Wide range of inlet/outlet connection adaptors
- A wide range of pre- & post- treatment systems

Benefits

In many cases and applications, Aqua-AsF backwash filters showed more sense due to the following advantages:

- Simple and efficient
- Lowest As level
- Crystal clear water
- No more rusty taste or bad colour
- No hazardous waste or regeneration effluent
- Simple design for ease of operation, setting & service.

Types of Top Mounted Filter Valve



AQUA- AsF Arsenic Filter Series :

Manual Valves /
In/out Tank Head

Automatic Valve

Model	Service Flow Rate (lpm)	Inlet/Outlet pipe size (in)	Mineral Tank Size	Media Quantity (Lit)	Approx. Shipping Wt Kg
AQUA-As9A	15	0.75"	9" x 44"	30	50
AQUA-As13A	25	1.00"	13" x 54"	50	75
AQUA-As15A	30	1.00"	15" x 65"	80	100
AQUA-As18A	45	1.00"	18" x 65"	100	135
AQUA-As21A	60	1.5"	21" x 62"	150	185
AQUA-As 24A	100	1.5"	24" x 65"	200	255
AQUA-As30A	150	2.0"	30" x 72"	250	330

*Other customized models available on request

Water 2000 offers a wide range of water treatment systems for irrigation, industrial, commercial, residential and municipal applications. Please give us a call on 042 3542039-40 or email us at sales@water2000.com.pk and one of our professional team member will happily demonstrate, using our solutions, how we can save your significant cost and greatly improve the performance of any of your water or wastewater treatment system.

