



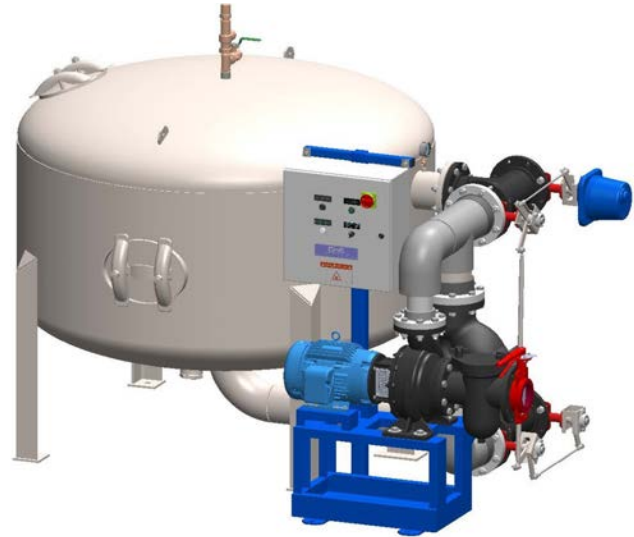
# Sand Filter Systems



# Sand Filter Systems

General Water Systems' Sand Filters are designed as a self contained unit for your filtration needs. Models are compact, durable, and effective filtration packages.

Our sand filter comes complete with their own pump, pipe manifolds, pressure gauges, basket strainer, a pump control panel and backwash controller.



## Applications

- ✓ HVAC Systems
- ✓ Industrial Cooling Towers
- ✓ Evaporative Condensers
- ✓ Irrigation
- ✓ Waste Water
- ✓ Pre-Treatment
- ✓ Paint & Materials
  - Powder Coat Paint Exterior
  - Standard - Epoxy Coated Carbon Steel
  - Optional - 304 or 316 Stainless steel

## Benefits

- ✓ Improves performance and efficiency of heat transfer equipment
- ✓ Reduces energy costs
- ✓ Reduces labor costs of manually cleaning of tower basins, chillers, condensers and heat exchanger
- ✓ Reduces solids and fouling in cooling water systems
- ✓ Minimizes discharge of solids and chemicals into sewer stream, reducing environmental impact
- ✓ Controls growth of bacteria
- ✓ Removes light organic matter such as pollen

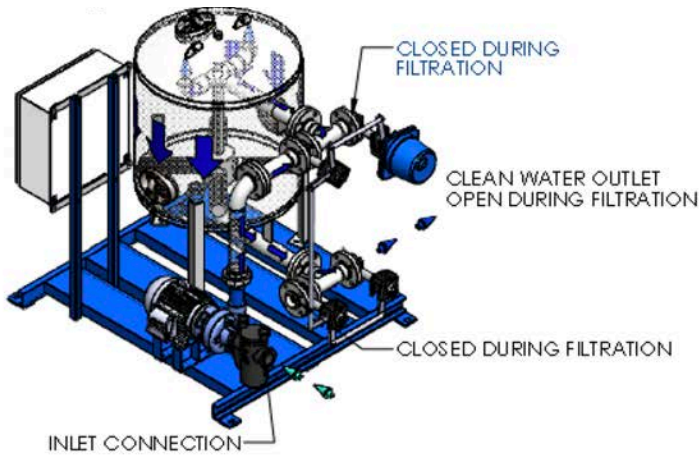
A sweeper system using eductors can be used in conjunction with the General Sand Filter Systems. Such sweepers systems are specifically engineered for each sump or basin and are designed to continuously circulate and direct the fluid stream toward the suction of the pump, preventing solids from settling to the bottom of the sump/basin. Model selection is based on the cooling tower basin area.

# How it Works

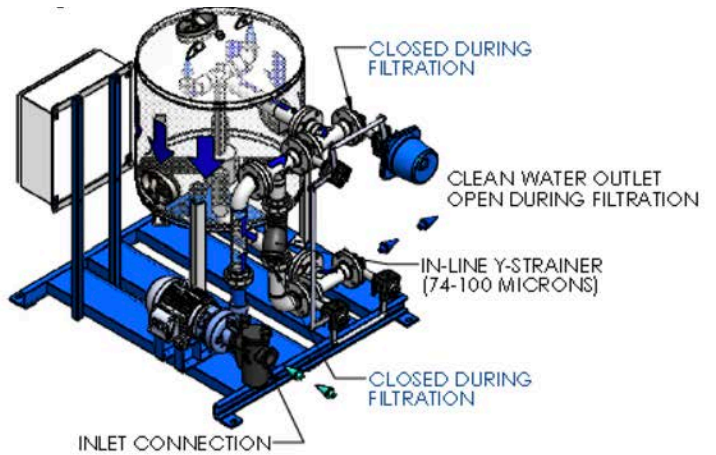
Fresh Water

System Water

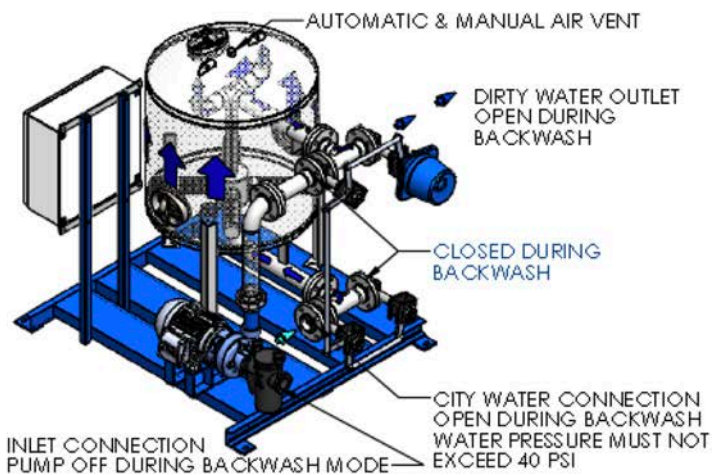
## City Filtration Mode



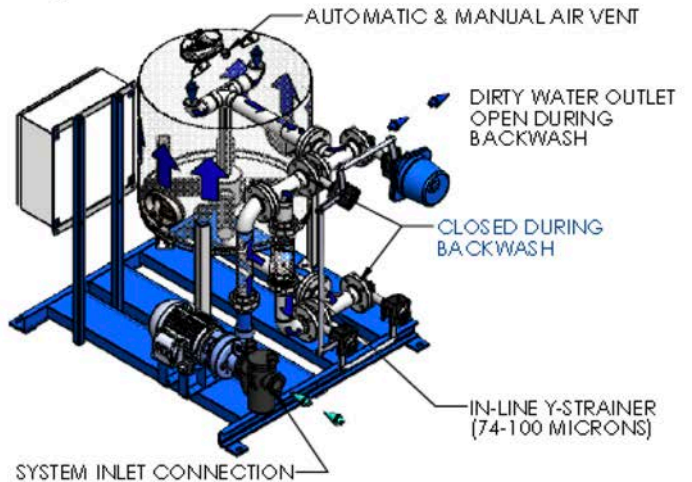
## Filtration Mode



## Backwash Mode



## Backwash Mode



Fluid enters the upper body in a rotational direction, enabling the dirt/contaminants to continuously rotate with the water. This prevents the solids from blanketing the top of the media, keeping it fluidized at all times. Since many of the very light solids are kept in suspension in the top portion of the filter, the filtration cycle is longer, and the backwash cycle is shorter for more economical operation.

BACKWASH CYCLE IS ENABLED BY DIFFERENTIAL PRESSURE SWITCH

# GENERAL WATER SYSTEMS

Our mission is to provide our customers with products that will allow their cooling systems to enjoy long-term stability and operate in a consistent and reliable way. GWS pledges to guarantee customer satisfaction by:

- Engineering integrated filtration products
- Maintaining a high level of applications experience and an in-depth water treatment knowledge base
- Manufacturing the best in shop-durable products
- Enhancing customers operational practices



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