



REGENERATIVE MEDIA FILTER

A new standard in aquatic filter sustainability





The Aquify Regenerative Media Filter utilizes the latest in aquatics technology to reduce the consumption of water while providing superior quality and clarity.

The filter has a notable reduction of energy and chemical costs, minimal footprint, and environmentally friendly filtering media. These features make it a sustainable solution for any mechanical room.

Regenerative media filtration is an advanced filtration process which uses a thin perlite “precoat” layer to filter microscopic particulates. Regenerative media technology is commonly used in ultrapure drinking water filtration due to its high performance and space savings compared to rapid sand filtration.

What is Regenerative Media Filtration



We've designed our filter from the ground up to save water, energy, and space. A number of patent pending, innovative features make the Regenerative Media Filter the ideal choice to be kind to the environment, and the people that use it.

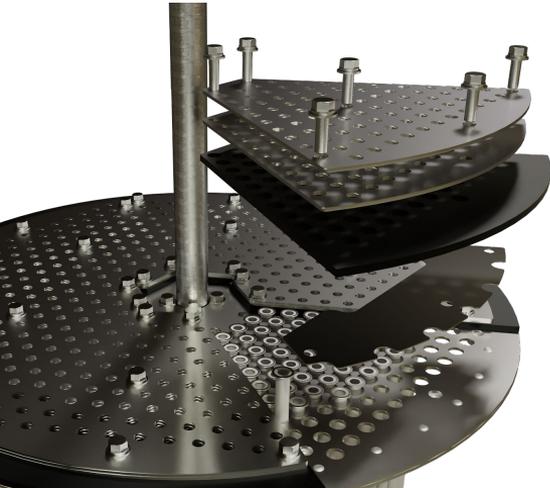
Key features



Space saving flangeless lid design

The smallest mechanical room footprint in the industry

This time-saving feature ensures that zero piping connections need to be un-flanged during filter clean-out or inspection. No lid removal required.



Adjustable filter square footage

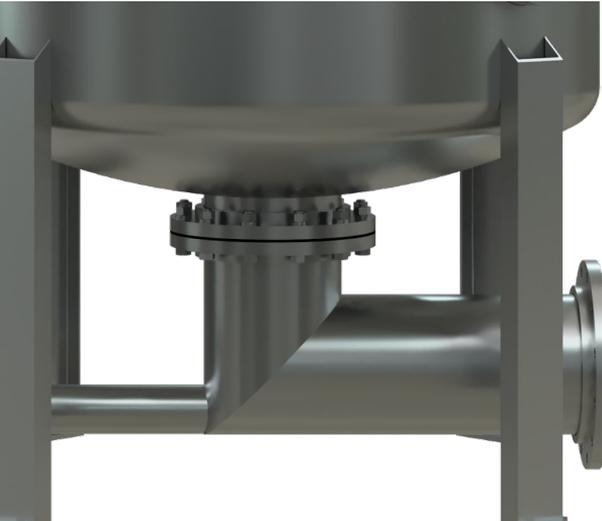
A first in mechanical room adaptability

This new design includes optional restrictor plates that provide industry first post-installation adaptability with zero change-out of major components.

Three large access ports

Minimal maintenance down time

Industry leading access for quick and safe inspection of internal components and easy filter clean-out. All components can be serviced without entering the tank.



Optional four-position influent tee

Flexibility as a feature [Stainless Steel models only](#)

Permitting optimal supply and drain piping configuration layout in the mechanical room.

Interchangeable mount locations

Unparalleled user interface options

Designed for the controller and vacuum modules to address operator access constraints in congested mechanical rooms.



Fully automated smart controller

Total control at your fingertips

A touchscreen interface controller with easy to navigate functions including trends, alarms, password protections, flowmeter, temperature, pressure differentials, remote access, and more.

Optimal element length for filtration performance

Engineered to allow flow rates as high as 2.0 GPM/SF

The 38" long tube elements provide an optimal balance between precoat efficiency and filtration performance for the recommended 0.5 to 1.5 GPM/SF flow range.



But why stop there

With a number of other industry standard or innovative features, we've made every effort to make a filter that is better for everyone from designers to installers to maintenance personnel.

- ✓ 1-micron particulate removal
- ✓ Smallest footprint with the largest filtration square footage
- ✓ 13 models ranging from 100 square feet to 1600 square feet of filter area
- ✓ 0.5 to 1.5 GPM / SF recommended filter range
- ✓ Perlite is lightweight, non-toxic, and environmentally friendly making it safe for the operator to handle
- ✓ Effluent pipe and flange are vertical to accommodate any piping orientation
- ✓ No backwashing required
- ✓ Large sight glass permits live visual monitoring of filter internals
- ✓ Tank flow dynamics optimized for 38" tube elements minimizing head loss and turbulence
- ✓ Extra large air-filled pulse tire
- ✓ Tank heights are the lowest in the industry reducing ceiling height requirements and ease of serviceability
- ✓ Fully automated system



PMF Control System

A revolutionary water filter would be incomplete without an equally game changing filter control system. The Aquify control system is designed to be as automated as possible, with as much real time system information available at your fingertips.

- ✓ Smart Controller notifications for dirty filter and strainer basket
- ✓ Built-in internet capabilities to connect to BMS or allow service remotely
- ✓ UL listed hardware
- ✓ 10" inch touchscreen PLC with easy to navigate HMI interface
- ✓ Optional wireless router to bypass firewalls Physical emergency shut-off button



Filter lineup SS4/SS6

Smart part numbers

In order to easily identify important aspects of our parts, we've applied a Smart Part numbering system.

Here's an example

PMF - 30 - 100 - SS4



SERIES

PMF 30

MODELS

PMF-30-100-SS4 PMF-30-200-SS4 PMF-30-300-SS4

FILTER AREA

100 SF 200 SF 300 SF

FLOW RATE MIN/MAX

50 GPM / 150 GPM 100 GPM / 300 GPM 150 GPM / 450 GPM

TANK VOLUME

150 GAL 150 GAL 150 GAL

HEIGHT

86.3 IN 86.3 IN 86.3 IN

WEIGHT

1,055 LBS 1,100 LBS 1,145 LBS

SERIES

PMF 36

MODELS

PMF-36-400-SS4 PMF-36-500-SS4

FILTER AREA

400 SF 500 SF

FLOW RATE MIN/MAX

200 GPM / 600 GPM 250 GPM / 750 GPM

TANK VOLUME

218 GAL 218 GAL

HEIGHT

86.6 IN 86.6 IN

WEIGHT

1,335 LBS 1,380 LBS

SERIES

PMF 42

MODELS

PMF-42-600-SS4 PMF-42-700-SS4

FILTER AREA

600 SF 700 SF

FLOW RATE MIN/MAX

300 GPM / 900 GPM 350 GPM / 1,050 GPM

TANK VOLUME

310 GAL 310 GAL

HEIGHT

93.1 IN 93.1 IN

WEIGHT

1,780 LBS 1,860 LBS

SERIES

PMF 48

MODELS

PMF-48-800-SS4 PMF-48-900-SS4

FILTER AREA

800 SF 900 SF

FLOW RATE MIN/MAX

400 GPM / 1,200 GPM 450 GPM / 1,350 GPM

TANK VOLUME

415 GAL 415 GAL

HEIGHT

97.3 IN 97.3 IN

WEIGHT

2,205 LBS 2,285 LBS

SERIES

PMF 54

MODELS

PMF-54-1000-SS4 PMF-54-1200-SS4

FILTER AREA

1,000 SF 1,200 SF

FLOW RATE MIN/MAX

500 GPM / 1,500 GPM 600 GPM / 1,800 GPM

TANK VOLUME

530 GAL 530 GAL

HEIGHT

99.0 IN 99.0 IN

WEIGHT

2,500 LBS 2,660 LBS

SERIES

PMF 60

MODELS

PMF-60-1400-SS4 PMF-60-1600-SS4

FILTER AREA

1,400 SF 1,600 SF

FLOW RATE MIN/MAX

700 GPM / 2,100 GPM 800 GPM / 2,400 GPM

TANK VOLUME

675 GAL 675 GAL

HEIGHT

102.6 IN 102.6 IN

WEIGHT

3,115 LBS 3,275 LBS

Filter lineup FRP

Smart part numbers

In order to easily identify important aspects of our parts, we've applied a Smart Part numbering system.

Here's an example

PMF - 30 - 100 - FRP



SERIES

PMF 30

MODELS

PMF-30-100-FRP PMF-30-200-FRP PMF-30-300-FRP

FILTER AREA

100 SF 200 SF 300 SF

FLOW RATE MIN/MAX

50 GPM / 150 GPM 100 GPM / 300 GPM 150 GPM / 450 GPM

TANK VOLUME

150 GAL 150 GAL 150 GAL

HEIGHT

71.7 IN 71.7 IN 71.7 IN

WEIGHT

420 LBS 465 LBS 510 LBS

SERIES

PMF 36

MODELS

PMF-36-400-FRP PMF-36-500-FRP

FILTER AREA

400 SF 500 SF

FLOW RATE MIN/MAX

200 GPM / 600 GPM 250 GPM / 750 GPM

TANK VOLUME

220 GAL 220 GAL

HEIGHT

72.2 IN 72.2 IN

WEIGHT

600 LBS 640 LBS

SERIES

PMF 42

MODELS

PMF-42-600-FRP PMF-42-700-FRP

FILTER AREA

600 SF 700 SF

FLOW RATE MIN/MAX

300 GPM / 900 GPM 350 GPM / 1,050 GPM

TANK VOLUME

310 GAL 310 GAL

HEIGHT

76.5 IN 76.5 IN

WEIGHT

785 LBS 865 LBS

SERIES

PMF 48

MODELS

PMF-48-800-FRP PMF-48-900-FRP

FILTER AREA

800 SF 900 SF

FLOW RATE MIN/MAX

400 GPM / 1,200 GPM 450 GPM / 1,350 GPM

TANK VOLUME

430 GAL 430 GAL

HEIGHT

77.1 IN 77.1 IN

WEIGHT

1,020 LBS 1,100 LBS

SERIES

PMF 54

MODELS

PMF-54-1000-FRP PMF-54-1200-FRP

FILTER AREA

1,000 SF 1,200 SF

FLOW RATE MIN/MAX

500 GPM / 1,500 GPM 600 GPM / 1,800 GPM

TANK VOLUME

550 GAL 550 GAL

HEIGHT

79.3 IN 79.3 IN

WEIGHT

1,290 LBS 1,450 LBS

SERIES

PMF 60

MODELS

PMF-60-1400-FRP PMF-60-1600-FRP

FILTER AREA

1,400 SF 1,600 SF

FLOW RATE MIN/MAX

700 GPM / 2,100 GPM 800 GPM / 2,400 GPM

TANK VOLUME

700 GAL 700 GAL

HEIGHT

82.1 IN 82.1 IN

WEIGHT

1,715 LBS 1,875 LBS

Stainless Steel vs Fiberglass

Which material is right for your project?

Stainless Steel

- Durability
- Visual aesthetic
- Hypo-microbial
- Corrosion resistant
- Easier tank repair/maintenance
- Customizable construction
- Highly recyclable and environmentally friendly

Fiberglass

- Lightweight
- Much shorter install size
- Corrosion-proof tank
- Lower maintenance
- Marine grade construction
- No need for electrical bonding



10

YEARS

Filter Body

10

YEARS

Filter Internals

1

YEAR

Electrical Equipment

5

YEARS

Valves

Warranty

Aquify and our partners use state of the art workmanship, materials, and manufacturing processes to create and develop the most innovative equipment. We are committed to delivering the highest quality products backed by our industry leading warranties.

The only perlite media filter that is NSF 50 media certified for health, safety, and performance.

The only NSF 50 tested and certified filter using NSF 50 approved perlite media.

A higher standard



Certified to
NSF/ANSI Standard

Want to learn more about the
Aquify line of aquatic products?

Visit www.aquifysystems.com to find out how
Aquify can help meet your aquatic needs.

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