

Company Introduction



MAAGAN FILTRATION
Pure Innovation - Clear Solutions

Automatic Filtration Solution Down to 1 Micron

MAAGAN FILTRATION was established by Kibbutz Maagan Michael for the purpose of developing innovative industrial water filters with automatic self-cleaning for fine filtration of 1-5 microns.

MAAGAN FILTRATION specializes in both fine filtration, and in the use of fibers as the filter media material. This successful combination of expertise results in an unprecedented filter. By utilizing unique threads with an inventive engineering approach, the SHEAF FILTER & the FIBER DISC FILTER are groundbreaking filters in the 1-5 micron market.

Kibbutz Maagan Michael owns and runs diverse collection of economic corporations, including two industrial plants (plastic & electrochemical), a large desalination plant, an industrial equipment supplier and intensive aquaculture activity. As a result, MAAGAN FILTRATION enjoys access to, and benefits from, a broad knowledge in a multiplicity of water engineering fields and works closely with professional engineers of many disciplines. This rich working environment also provides MAAGAN FILTRATION a close interface with many target markets and infinite opportunities for field tests in a wide variety of applications and water qualities. In parallel we routinely carry out testing in our indoor research facilities.

This unique advantage has proven to be invaluable in our quest to develop the best filters and to meet all the filtration needs of 1-5 microns clients.



MAAGAN FILTRATION

www.maaganfiltration.com

Email: filtration@mmm.org.il

Tel: 972-73-2413856, Fax: 972-4-6394986



Sheaf Filter



The Sheaf Filter represents a new and innovative implementation of thread filtration. Our groundbreaking technology is based on the flow of contaminated water lengthwise, along the threads, rather than crosswise, as in other fiber-based filters and cartridges.

The Sheaf Filter is a technological breakthrough in the field of fiber filters with enhanced performance in the fine filtration spectrum of 1-5 microns, and minimal maintenance, no chemicals and efficient back washing utilizing less than 1% of overall flow.

Our advanced, proprietary design's lengthwise flow thread filter achieves the best package of operational efficiencies, energy reduction, and environmental impact minimization.

Our Sheaf Filter combines both major filtration methods: "physical filtration" with "depth filtration". This unique combination of filtration methods results in un-paralleled performances, as compared to other self cleaning filters.

The novel threads design as a sheaf, results in the most efficient 1–5 micron filtration, that can remove Cryptosporidium and Giardia Cysts, reduce Legionella while enabling efficient self washing.

The Sheaf Filter runs at a competitive cost to conventional media and sand filters while performing finer filtration and it is the best alternative to cartridge and bag filters due to its self-rinsing abilities. The Sheaf Filter is less expensive than any other fiber filters!

Advantages of the Sheaf Filter:

- **Effective particle removal** down to 1 micron
- **Particle removal** rate greater than 95% for 1 micron
- **Backwash** automatically initiated by elapsed time or pressure differential
- **High efficiency** backwash uses less than 1% of the water cycle
- **Low frequency** backwash demand
- Standard operating pressure up to 8 bar
- **Flow rate** ranges up to 100 CM³/h
- **Operating temperature** up to 60°C
- **Ability to adjust** thread type to client's special liquid characteristics: high chemical resistance across the pH range or acidic materials, broad temperature span, high concentration of hydrocarbons, etc.
- **Very attractive pricing ensures fast ROI**

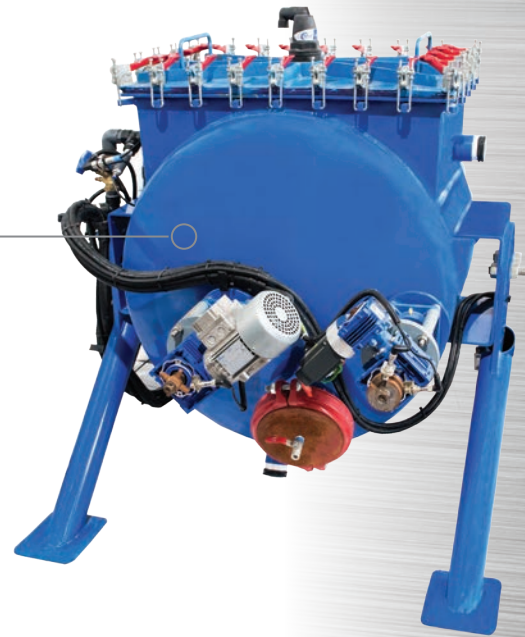


Scan for movie



MAAGAN FILTRATION
Pure Innovation - Clear Solutions

Fiber Disc Filter



The Fiber Disc Filter is a new and innovative thread filtration system. This groundbreaking system uses a round filtration disc wound by a unique thread. The Fiber Disc Filter generates the highest available ratio of filtration area per filter size, more than any other fiber based fine filtration filter.

The Fiber Disc Filter represents a breakthrough in medium to high flow fiber filters. It features enhanced filtration performance down to 3 microns, extremely low differential pressure and efficient self-cleaning. The Fiber Disc Filter achieves all of this without using chemicals.

Our advanced proprietary design of round discs wrapped by threads represents the best and most efficient 3–10 micron filtration that can remove *Cryptosporidium* and *Giardia* Cysts.

At a very competitive cost, the Fiber Disc Filter delivers higher efficient filtration than media and sand filters, while using significantly less water during backwash.

The Fiber Disc Filter is an excellent alternative to cartridge and bag filters due to its self-rinsing abilities and minimal maintenance. It eliminates labor and hassles, reduces expense, and avoids environmental damage caused by disposable filters.

The Fiber Disc Filter provides an unparalleled filter size and low energy consumption coupled with simple operation and minimal maintenance. The Fiber Disc Filter offers the best product and operation value among all medium to high flow fine micron filters.

Advantages of the Fiber Disc Filter:

- **Higher filter area** leading to smaller footprint than other fiber filters
- **Particle removal** rate greater than 95% for 3 microns
- **Very low differential pressure** results in energy savings
- **Backwash** is automatically initiated by elapsed time or pressure differential
- **Flow rate** ranges up to 500 CM³/h
- Standard operating pressure up to 8 bar
- **Operating temperature** up to 60°C
- **Ability to adjust** thread type to client's special liquid characteristics: high chemical resistance across the pH range or acidic materials, broad temperature span, high concentration of hydrocarbons, etc.
- **Simplicity** of operation and maintenance
- **Very attractive pricing** ensures fast ROI

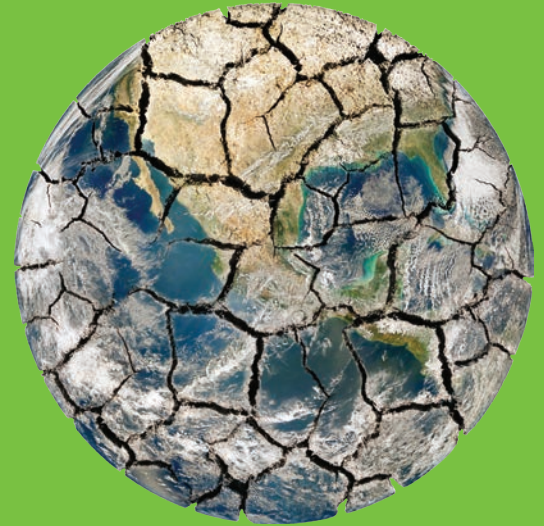


Scan for movie



MAAGAN FILTRATION
Pure Innovation - Clear Solutions

An increasing shortage of drinkable water in wide areas around the world, combined with the need to minimize our environmental impact demands breakthroughs in filtration technology. Maagan Filtration, an innovative and technology oriented company, sets new standards for 1 to 10 micron filtration at affordable costs and operational efficiencies with the: SHEAF FILTER & FIBER DISC FILTER.



The importance of fine filtration (1-10 microns) as a main factor in multi barrier filtration and water treatment systems is becoming increasingly acknowledged.

Regulatory requirements, the need to protect increasingly complex and costly systems, and demand for minimal environmental impact are all factors that have a significant influence over which technologies best fit multi-barrier systems.

MAAGAN FILTRATION Filters are cost effective, high performing, environmental friendly (minimum backwash waste and no chemical usage) and require simple maintenance. Our filters are ideal to help our customers optimize their process efficiencies; increase production, meet industry requirements and develop complete solutions.

Sheaf Filter & Fiber Disc Filter are the right filtration solutions for customers' needs in many applications:



POTABLE WATER



DESALINATION (PRE RO FILTRATION)



INDUSTRY PROCESS



HVAC + COOLING TOWERS



MUNICIPAL WASTEWATER



SWIMMING POOLS



AQUACULTURE

A unique approach to fiber filtration was implemented in our ground breaking technology. Intensive and comprehensive research and development have gained **MAAGAN FILTRATION** a leading position and cutting edge state of the art thread filtration products.

MAAGAN FILTRATION is also developing a range of specialized threads which ensure superior filtration. Our threads have a modified large surface area and are suitable for a large range of pH and chemicals.



Scan for website



MAAGAN FILTRATION
Pure Innovation - Clear Solutions

