



FILTER OUT

COOLANT FINES

**HYDROSTATIC PAPER FILTER
MAYFRAN INTERNATIONAL**

HOW HPF FILTRATION WORKS...

Mayfran's Hydrostatic Paper Filter (HPF), part of the Mayfran Modular Filter family of products, is designed to offer customers a cost-effective solution for efficient removal of particulate from a process solution.

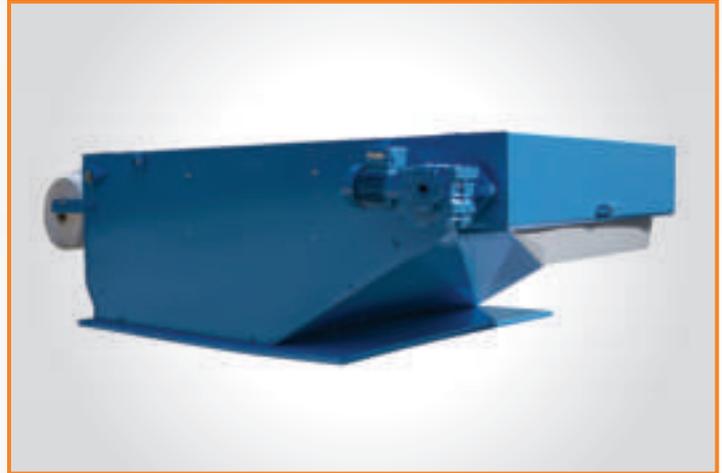
Typical applications include metalworking operations such as:

- Machining
- Grinding
- Surface finishing
- Parts-washing applications
- Wastewater treatment

The HPF is compatible with a wide variety of material, including ferrous, nonferrous and composites. It can be used with:

- Water-based cutting oils
- Straight cutting oils
- Quenching oils
- Aqueous wash solutions
- Effluent wastewater

Mayfran's HPF offers better performance over traditional gravity media filters.



STANDARD HPF FEATURES AND ADVANTAGES

- **Deep-bed technology:**
 - increases levels of filtration
 - provides higher flow capacity in a smaller footprint
 - allows the process solution to be pumped to the HPF
- **Fully automatic operation** with few moving parts for increased reliability
- **Side seal technology** prevents bypass for increased filtration efficiency
- **Shallow incline ramp** allows for the effective removal of material and particulate from the filter bed
- **Disposable roll media** that can be matched to a wide variety of industrial applications
- **Modular design** offers customers more options to match specific applications at a cost-effective price point



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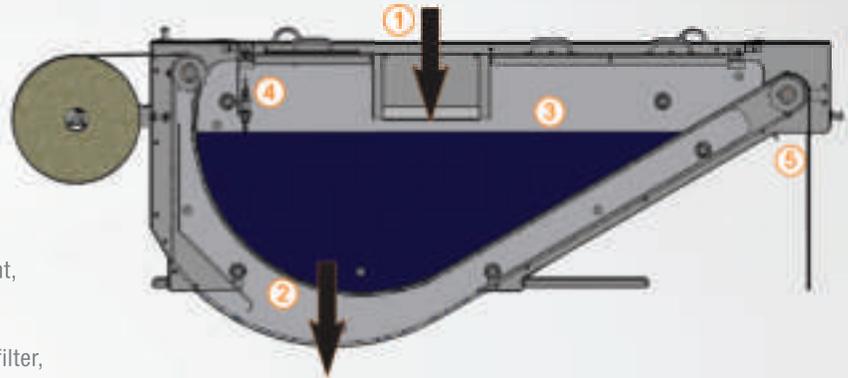
The contaminated process solution enters the filter by way of the inlet distribution box [1].

As the fluid flows through the filter media [2], particulate and contaminants are removed.

Unique side seal technology [3] allows for the fluid level to increase as the media becomes restricted by particulate and contaminants.

When the fluid level in the filter reaches a set height, a sensor [4] triggers the index cycle.

The index cycle moves dirty media [5] through the filter, replacing it with clean media [2].



AVAILABLE MODELS

The HPF is a deep-bed gravity filter that is available in a range of sizes to match specific applications.

MODEL NUMBER	MEDIA WIDTH
HPF100S	20"
HPF300S	38"
HPF500M	38"
HPF700M	51"

AVAILABLE OPTIONS

The Mayfran HPF is available with a variety of options to meet any customer's specific requirements.

- High-pressure pump packages
- Temperature control
- Tramp oil control
- Automatic makeup of process solutions and product mixing
- Secondary filtration packages
- Spent media rewinder

For pricing, current availability and a performance-matched solution to best support your application and your coolant cleaning requirements, contact your Mayfran representative today.

LOW-PROFILE HPF, HPF-LP

The HPF-LP utilizes many features found in the HPF filter line of products. These benefits make the HPF-LP the market leader in the low-profile paper filter market.

The unique side seal technology provides the most effective coolant filtration possible for applications including grinding, honing, polishing and composites.

Ideal for low discharge height machines and offers better filtration than a traditional flatbed paper filter.



The optional magnetic preseparator enhances the performance and reduces the paper consumption!

QUALITY, BUILT IN.

ABOUT MAYFRAN INTERNATIONAL

Mayfran is your single-source designer, manufacturer and project manager for any conveyor system need. We're here to help across markets in ways that are cost-effective, technologically advanced, operationally safe and environmentally responsible.

Founded in 1933, Mayfran is the world's leading manufacturer of specialized conveyor and processing systems for numerous global industries. Mayfran joined the Tsubakimoto Chain Group as a wholly owned subsidiary in 2012. Celebrating its 100th anniversary in 2017, Tsubakimoto Chain is the global leader in power transmission and materials handling with over 7,500 employees in 24 countries worldwide.



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