



Mayfran offers more.

MAYFRAN HIGH PRESSURE BYPASS FILTER

The complete high pressure package



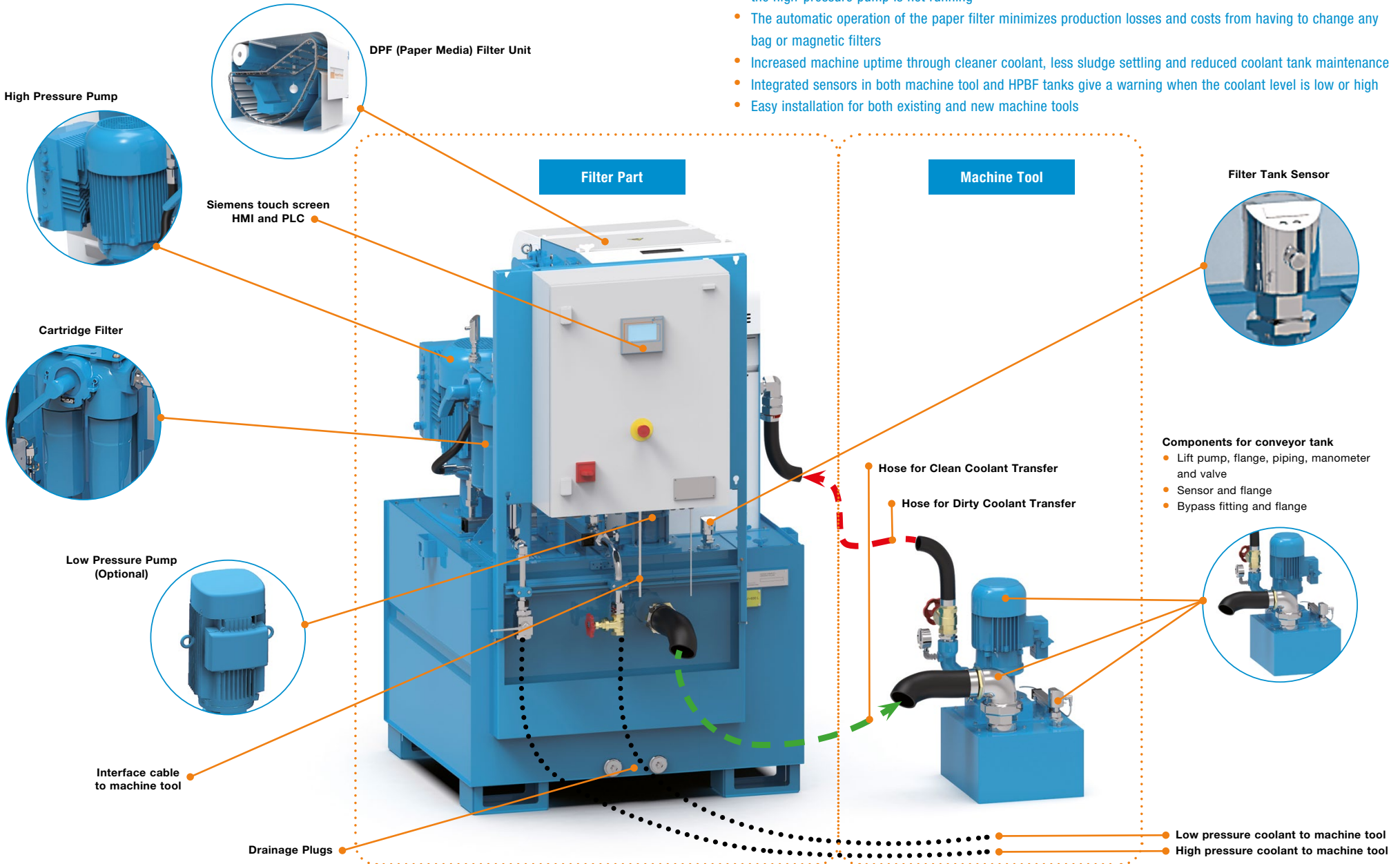
Mayfran offers more.

MAYFRAN HIGH PRESSURE BYPASS FILTER SYSTEM

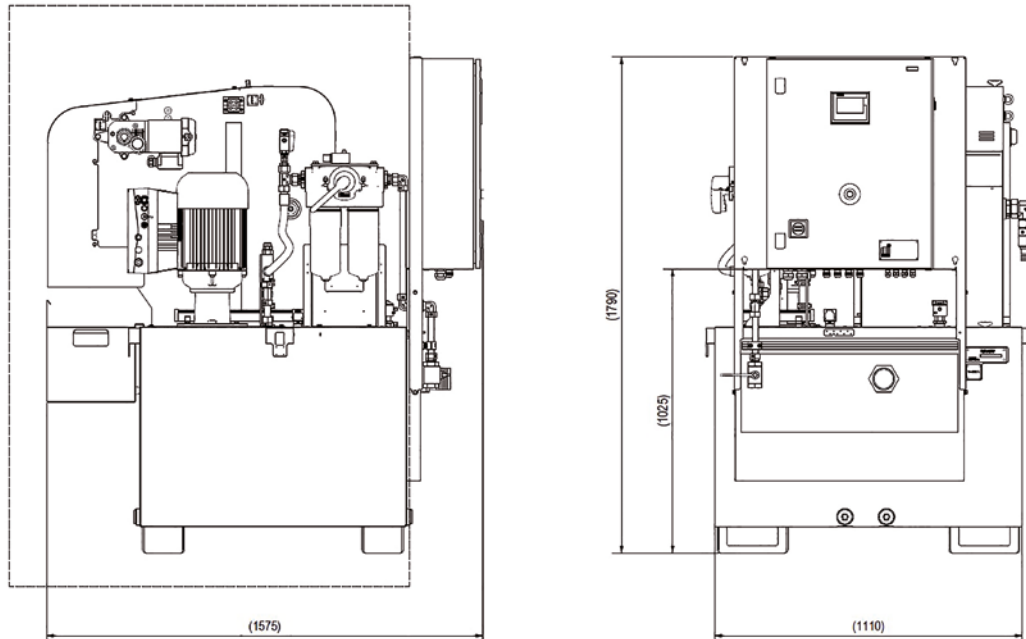
The High Pressure Bypass filter (HPBF) provides high pressure coolant to a machine tool and also continuous cleaning of the main coolant thanks to its bypass filter function.

FEATURES AND BENEFITS

- High-pressure coolant provides faster production, longer tool life and better surface quality
- The paper media continuously and economically removes dirt particles in bypass filtering mode, even when the high-pressure pump is not running
- The automatic operation of the paper filter minimizes production losses and costs from having to change any bag or magnetic filters
- Increased machine uptime through cleaner coolant, less sludge settling and reduced coolant tank maintenance
- Integrated sensors in both machine tool and HPBF tanks give a warning when the coolant level is low or high
- Easy installation for both existing and new machine tools



DIMENSIONS AND TECHNICAL DATA



Standard components / equipment

Continuous coolant through DPF filter technology	Up to 300 l/min.	
Filter tank	600 l	
Control box with touch screen HMI	✓	
Siemens PLC Controller	✓	
Drain plugs	✓	
Integrated coolant level sensors	✓	
Coolant transfer hoses	✓	
Necessary fittings (for conveyor tank)	✓	
Lift pump	✓	
Dirty filter paper bin	✓	

Optional components / equipment

High Pressure Pump (up to 70 bar)	Standard (32 l/min)	Frequency Controlled (up to 48 l/min)
Cartridge Filter	Single	Double
Low Pressure Pump (100 l/min @ 2.3 bar)	Excluded	Included

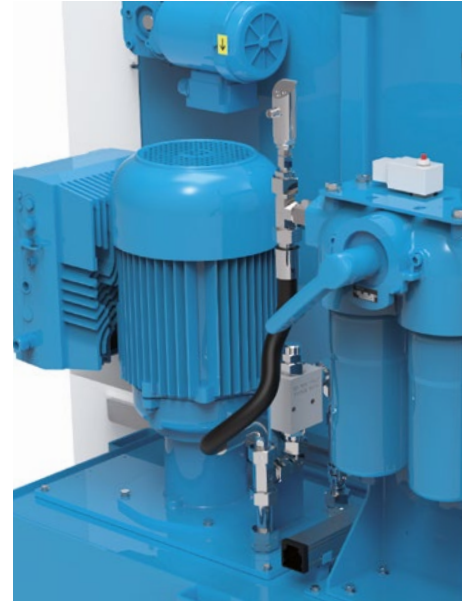
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NOTE: Please contact Mayfran for the dimensions of the components that must be fitted to the machine tool coolant tank

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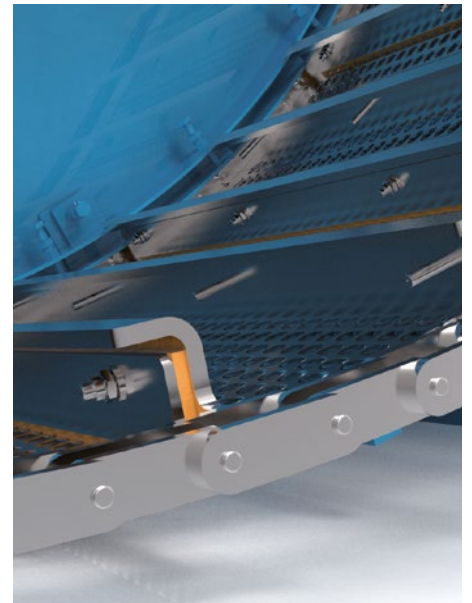
MORE EFFICIENCY

- Faster machining process
- Longer tool life
- Less machine tool down time
- Less maintenance
- Better surface quality and tolerances for the produced parts



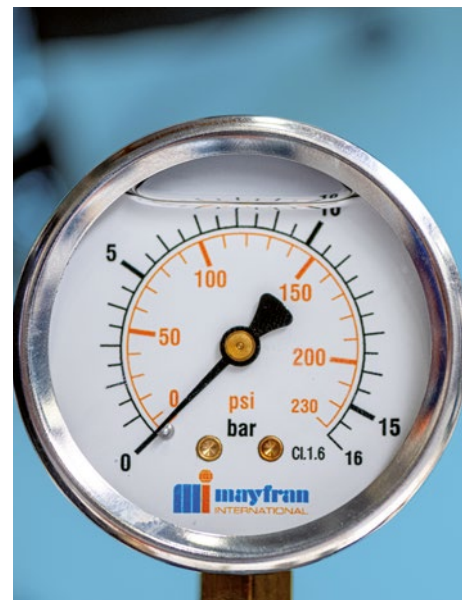
MORE AVAILABILITY

- Clear price list for all the options and short lead times
- Compact design
- Easy to retrofit existing units



MORE TECHNOLOGY

- Plug & Play, delivered as ready to use
- Coolant management in conveyor and filter tanks
- 100% side seal efficiency by special Tsubaki chains



MORE FLEXIBILITY

- Customizable unit with selectable options
- Double or single cartridge filter options
- Frequency controlled or standard high-pressure solution
- Low pressure option

MACHINE TOOL PRODUCTS

- Swarf conveyor
- Scraper conveyor
- Single filter
- Pumpstations
- Fittings

COOLANT FILTRATION SYSTEMS AND SWARF PROCESSING

- Coolant filter systems
- Refillmatic
- Conveying systems
- Swarf processing systems
- Swarf centrifuges
- Swarf crusher
- Fittings

SCRAP TRANSPORT AND RECYCLING

- Scrap feeding conveyors
- Metal working conveyors for general use

STAMPING AND PRESS-INDUSTRY

- Conveyors for parts & press scrap
- Shuffle conveyor

MORE INFORMATION:



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