

HYDRUN

Filter Station

HY-F

20/51/100 liters per minute



→ Previous HL Hydraulics MA-X Smart Filter Station

→ 1-3 days delivery

→ 1-3 hours start-up

Energy-saving, cost-effective, and smart filtration.

Hydrun Filter Station is a fully automatic filter station for hydronic, designed to ensure clean system fluid through continuous filtration of dirt and magnetite.

The filter station operates in a partial flow and continuously draws in system fluid via its powerful and robust circulation pump.

The unit is equipped with a display that shows how full the filter is. An alarm is triggered when the filter begins to fill up (user-defined threshold), allowing for proactive filter replacement.

When the filter is full, another alarm is triggered and the pump stops.

Alarm functions ensure continuous filtration, and stopping the pump when the filter is full saves energy and extends the unit's service life.

Smart Filtering

Proactive alert for upcoming filter replacement. Alert and pump shutdown when the filter is full.

Flexible operation

Easily choose between continuous or scheduled filtering (day of the week and start time).

Easy Commissioning

Clear connection logic and preset values reduce on-site time.

Seamless Communication

Modbus TCP, RTU, and BACnet for alarms, status, and logging directly to DDC/BMS as standard.

Cost-effective

Use the same outlet on the system as the exhaust fan and save two extra connections.

Energy Saving

Save energy by continuously reducing the amount of dirt and magnetite in the system.

Model name	HY-F-FC-20	HY-F-FB-51	HY-F-FB-100
Previous name	MA-X Smart Filter Station (Cartridge)	MA-X Smart Filter Station (Bag)	N/A
Previous item no.	HL3100	HL3120	N/A
RSK no.	503 72 90	503 72 91	
Capacity 1	20 l/min	51 l/min	100 l/min
Capacity 2	1.2 m ³ /h	3.2 m ³ /h	6 m ³ /h
Max operating pressure	8 bar	8 bar	8 bar
Pressure class	10 bar	10 bar	10 bar
Gauss	8000	7000	7000
Maximum temperature	80°C	80°C	80°C
Voltage	230V single-phase	230V single-phase	230V single-phase
Fuse	10 A	10 A	10 A
Power	0.75 kW	0.75 kW	0.75 kW
Grundfos pump	CM 3-2	CM 3-2	CM 5-2
Communication	Modbus TCP, RTU and BACnet	Modbus TCP, RTU and BACnet	Modbus TCP, RTU and BACnet
Media	Glykol <50%, Etanol <29%	Glykol <50%, Etanol <29%	Glykol <50%, Etanol <29%
Dimensions	D:420 x W:500 x H:750mm	D:420 x W:500 x H:800mm	D:420 x W:500 x H:800mm
RSK No.			N/A

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