

FILTRATION SYSTEMS

Cartridge Technology

Series HE-FSC-7

6000 - 22000 l/h

100 - 367 l/min

Smart designed cartridge filtration system, powered by magnetic drive or mechanical seal pump. More flow, more reach, ensured by 70+ years of experience.

Key advantages of the new HE-FSC-7 series:

- ✓ Increased energy efficiency
- ✓ Longer filter life
- ✓ Easier to use with minimal labor

Features

- Full PP construction from machined Simona® AlphaPlus™ PP
- Hinged cover from reinforced PP-GF pressed plate
- Stainless steel ANSI316 forged swing bolt closure
- High wall thickness cylinder with welded bottom (no seal)
- Smart pump pull back system for easy maintenance
- Stainless steel fittings, fasteners and type shields
- Including complete +GF+ three-piece union
- EPDM elastomers
- Max. temperature 80°C
- Pressure gauge, air release and drain valve
- Thermal overload incl. on/off switch and lead
- Magnetic drive or mechanical seal pump
- High quality European, purpose designed electric motor:
 - 3 phase, 50/60 Hz, 2900/3500 rpm, IP55, multi voltage
 - with double layer 2C chemical resistant coating
 - suitable for frequency drive control



HE-FSC-73-MX260

New

Options

- Smart electronic filter and flow control/alarm
- By-pass Carbon Canister (6,5 liter) Chamber
- Ball valves on in- and outlet
- Automatic air release valve
- Hose connections
- Union sockets in PVC or CPVC
- Specific bearings and elastomers
- Dry run protection
- Digital pressure gauge
- Electric motor options:
 - motor mounted frequency drive
 - EMC compatibility
 - PTC thermistor
 - specific voltages



Cartridges
7 x 20"

Pump	Filter flow rate max (l/h)	Type	Cartridges (qty x length)	Flow per 10" length (l/h)	Motor (kW)	Material
Magnetic drive	6.000	HE-FSC-71-MX60	7 x 10"	860	0,25	PP EPDM
	8.000	HE-FSC-71-MX90	7 x 10"	1140	0,37	
	13.000	HE-FSC-72-MXH150	7 x 20"	930	0,55	
	18.000	HE-FSC-72-MX210	7 x 20"	1285	1,1	
	18.000	HE-FSC-73-MX210	7 x 30"	860	1,1	
	22.000	HE-FSC-73-MX260	7 x 30"	1050	1,5	
Mechanical seal	12.000	HE-FSC-72-S110	7 x 20"	860	1,1	
	16.000	HE-FSC-73-S150	7 x 30"	760	1,5	

The new series combines a robust, reliable, and smart construction with enhanced hydrodynamic design for minimal pressure loss. This results in maximum installation uptime and a long service life, providing best in class performance, technically and economically.

The series is designed and manufactured for filtration of electrolytes and other wet chemical process solutions, service friendly with ideal cleaning access height.

Our experts are ready to advise on the best filtration system solution for your specific application.



Smart designed hinged cover, using the strong forged eye swing bolts. Large knobs are Hendor selfmade with heavy duty inserts that also hold the washer, allowing one hand closure. High wall thickness base ring with argon welded lips. All mentioned metals are ANSI316.

Cover made from super strong glassfiber reinforced PP pressed plate by Simona®.

Safety measures integrated:

- notched washer chambers to prevent swing bolt slide off
- no risk to horizontal spray by raised edge in the cover
- seal rubber seat double grooved for maximum closure pressure
- quality materials and robust strong construction prevent strength loss over time and leakages



Oversized suction and discharge pipe work.

Hydrodynamic optimised pipe work design to prevent unnecessary pressure loss, increasing energy efficiency.



Drain by easy access +GF+ ball valve at operation side.

Innovative pump pull-back system for easy maintenance.

On/off switch with thermal overload protection.



Butt welded bottom by PLC controlled automatic welding machine, guaranteeing highest possible strength and reliability.

Smart designed integrated filter media adaptor with optimized internal flow, leading to minimal pressure loss.

Stainless steel fixture protected against corrosion by o-ring between frame and cylinder mounting flange.



Smart designed super strong cartridge rods in H-profile, inhouse injection moulded from glass reinforced PP.

Cartridges individually tightened to prevent by-pass of unfiltered solution.

Sharp knives in knobs and bottom holder, again to prevent by-pass of unfiltered solution.

