

AZUD LUXON



MFH

Self-cleaning screen filtration equipment for the removal of inorganic suspended particles, with non-stop filtered water supply thanks to an efficient screen self-cleaning with suction nozzles.

Ideal for installations that require high filtration capacity with minimum footprint.

Technical characteristics

- **Filtration technology:** Mesh
- **Cleaning system:** Self-cleaning
- **Drive:** Hydraulic
- **Configuration:** Horizontal
- **Material:** Carbon steel
- **Nominal pressure:** PN10
- **Cleaning technology:** Suction nozzles



Unique selling points



Efficiency

Exclusive low-consumption AZUD suction nozzles that ensure an efficient selfcleaning of the screen thanks to their high suction capacity



Robustness

High quality steel providing high mechanical strength and durability



Reliability

Optimized internal components for stable operation and minimum maintenance
Safe and autonomous operation through integrated AZUD FBC controller

Product range

Model	Filtration area	Flange connection I/O*	Max. flow rate (125 µ)	Drain connection
	cm ²		m ³ /h	
4.800	4.800	4"	90	2"
7.200	7.200	6"	170	2"
	7.200	8"	300	2"
9.600	9.600	8"	300	2"
12.000	12.000	10"	500	2"

*Connections available in DIN 2576 flange and ANSI B16.5 Class 150 flange.

Battery or 220V AC control unit included. Units also available without a control unit.

Includes a 6mm pre-filter. The flow rate per filter determines the backwash activation frequency.

Maximum recommended flow rate: 125 microns for good water quality.

The design flow rate depends on the filtration level and water quality. Consult AZUD for proper system sizing.

Filtration degrees

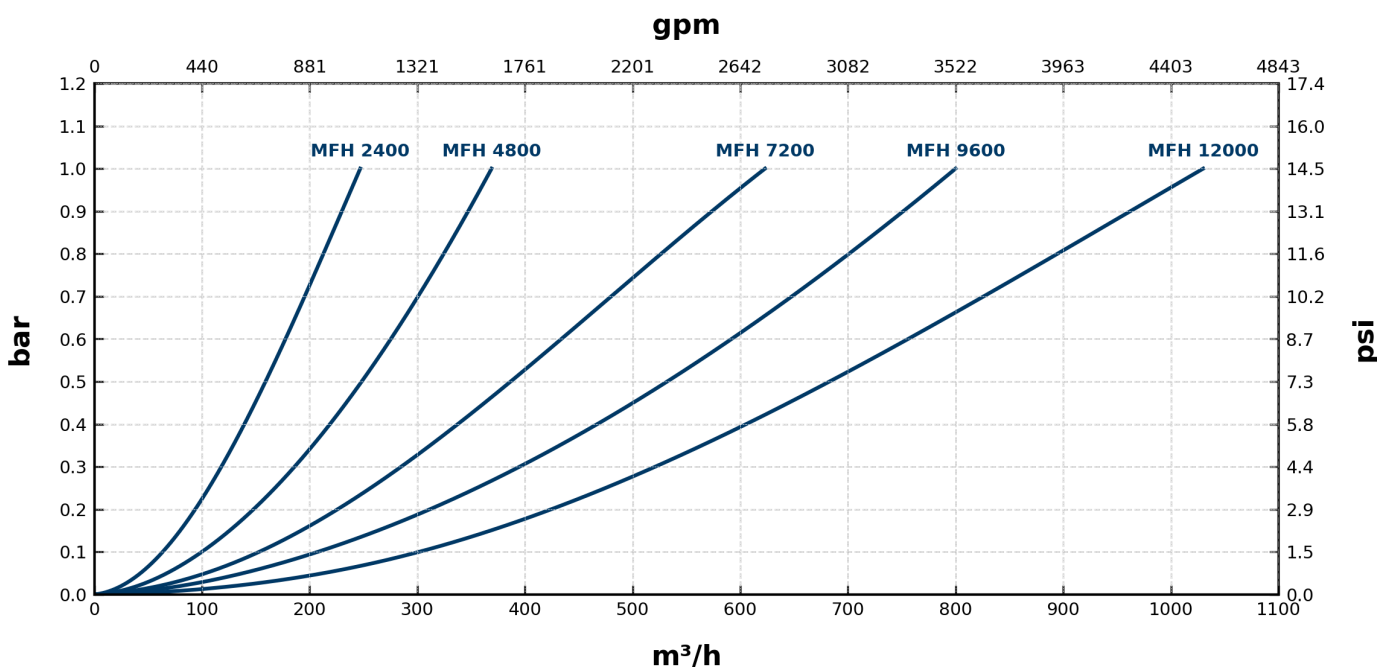


1000, 500, 300, 200, 125, 100, 80 micron

Working condition

Model	Max. Working Pressure	Min. working pressure	Min. Backflushing pressure	Min. cleaning flow rate	Flushing cycle time	Min. cleaning volume	pH	Water temperature
	bar	bar	bar	l/s	s	l		°C
4.800	10	0,8	2,5	5,6	30	168	5 - 9	60
7.200	10	0,8	2,5	8,4	30	252	5 - 9	60
9.600	10	0,8	2,5	11,2	30	336	5 - 9	60
12.000	10	0,8	2,5	14	30	420	5 - 9	60

Head Loss Graph (Flow rate vs Pressure)



Calculated Head loss with Filtration degree 125 micron

Construction Materials

Body	Carbon steel (S-235-JR) with epoxy-polyester coating
Screen	316L Stainless steel
Scanner	A/INOX AISI-304
Suction nozzles	PVC
Drainage Valve	Glass fiber reinforced polyamide
Turbine	Glass fiber reinforced polypropylene
Piston	Carbon steel

Related products



AZUD HELIX AUTOMATIC 200




AZUD HELIX AUTOMATIC 4DCL




AZUD LUXON MFE

