

AZUD LUXON



MFE

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:** Electric
- **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	10"	451	2"
	9.600	8"	300	2"
12.000	12.000	10"	500	2"

Control unit included, available in 110-220 V AC and 380 V AC.

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

Maximum recommended flow rate: 125 microns, using good quality water.

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

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

Filtration degrees

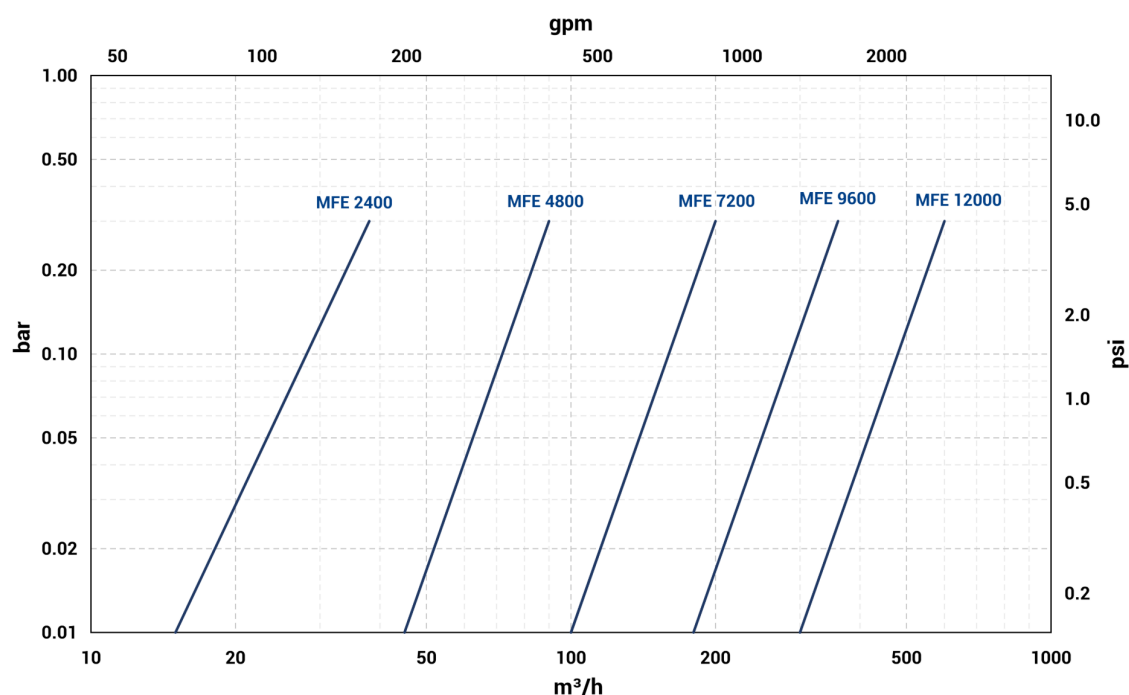


1000, 500, 300, 200, 125, 100, 80 micron

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	5,6	20	112	5 - 9	60
7.200	10	0,8	2	8,4	20	168	5 - 9	60
9.600	10	0,8	2	11,2	20	224	5 - 9	60
12.000	10	0,8	2	14	20	280	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

Related products



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