

AZUD LUXON



LDB

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:** Vertical
- **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

Screen type	Model	Filtration area	Flange connection I/O*	Max. flow rate (125 µ)	Drain connection
		cm²		m³/h	
Stainless steel	1.850	1.760	2"	30	1 1/2"
	1.850	1.760	3"	50	1 1/2"
	2.700	2.650	4"	90	1 1/2"
	5.400	5.380	6"	170	2"
	5.400	5.380	8"	270	2"
	10.600	10.600	10"	500	2"
	13.200	13.210	10"	500	2"
	16.500	16.500	14"	700	2"
	21.300	21.300	16"	1.065	2"
Injected screen	1.650	1.600	2"	30	1 1/2"
	1.650	1.600	3"	50	1 1/2"
	2.400	2.400	4"	90	1"
	4.800	4.800	6"	170	1"
	7.400	7.350	8"	300	2"
	9.800	9.800	8"	300	2"
	12.300	12.250	10"	500	2"

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

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

The flow rate per filter determines the backwash activation frequency.

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

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

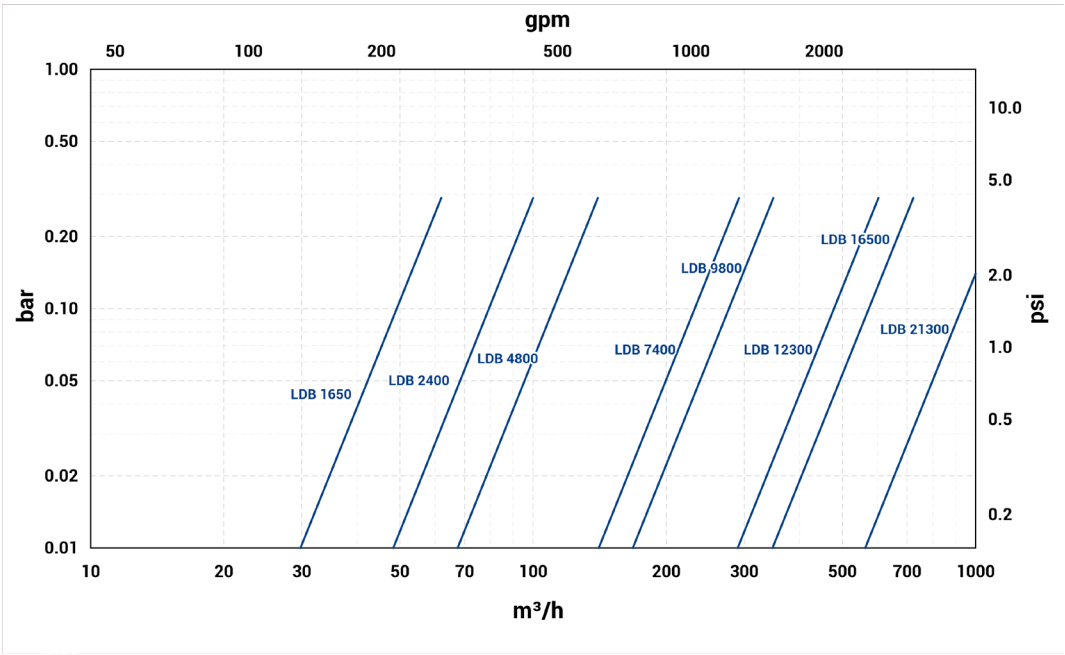


1000, 500, 300, 200, 125, 100, 80 micron

Working condition

Model	Max. Working Pressure	Min. working pressure	Min. Backflushing pressure	Min. cleaning flow rate	Flushing cycle time	Min. cleaning volume	Power	Consumption	pH	Water temperature
	bar	bar	bar	l/s	s	l	kW	A		°C
1.650	10	0,8	2	1	16	16	0,18	1,12	5 - 9	60
1.850	10	0,8	2	1	16	16	0,18	1,12	5 - 9	60
2.400	10	0,8	2	1,1	18	19,8	0,18	1,12	5 - 9	60
2.700	10	0,8	2	1	18	19,8	0,18	1,12	5 - 9	60
4.800	10	0,8	2	2,5	21	52,5	0,18	1,12	5 - 9	60
5.400	10	0,8	2	2,5	21	52,5	0,18	1,12	5 - 9	60
7.400	10	0,8	2	4,5	25	112,5	0,36	1,88	5 - 9	60
9.800	10	0,8	2	5,8	25	145	0,36	1,88	5 - 9	60
10.600	10	0,8	2	5,8	25	145	0,36	1,88	5 - 9	60
12.300	10	0,8	2	7,2	25	180	0,36	1,88	5 - 9	60
13.200	10	0,8	2	7,2	25	180	0,36	1,88	5 - 9	60
16.500	10	0,8	2	5,8	25	145	0,36	1,88	5 - 9	60
21.300	10	0,8	2	7,2	25	180	0,36	1,88	5 - 9	60

Head loss graph (Flow rate vs Pressure)



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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