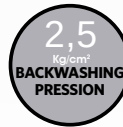


TECHNICAL DATA

EkoLU

Hydraulic filter, principle "action-reaction". Ekolu has a prefilter cartridge where the coarse debris is removed.



nanoplus⁺
TECHNOLOGY

SYSTEM

The filtration through screen is accomplished by retaining the suspended solids in the water between the gaps thereof. The system also has a large filtration surface, which minimizes head loss, and a prefilter cartridge to remove coarse debris. The self-cleaning and filtration processes are compatible and can be run simultaneously. The programmer cannot be modified by the end user.

CONSTRUCTION MATERIALS

Body: carbon steel AISI 304 or AISI 316

Joints: synthetic rubber nitrile 60° Shore

Screws: zinc-plated weather resistant

Screen: polyamide cartridge and stainless steel screen

Suction mechanism: stainless steel

CLEANING

Hydraulic system. The polyamide nozzles are in charge in the cleaning vacuum, ranging along the cartridge, driven by hydraulic power.

PRESSURES

Max. pressure: 10 kg/cm²

Min. pressure: 1 kg/cm²

Min. cleaning pressure: 2,5 kg/cm²

Testing pressure: 15 kg/cm²

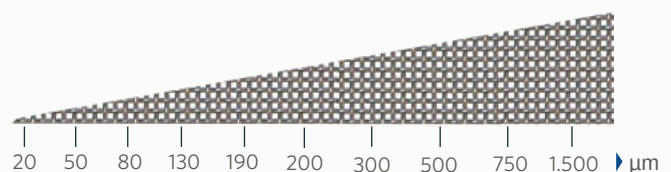
Available pressure: 16 kg/cm²

STEEL SURFACE TREATMENT

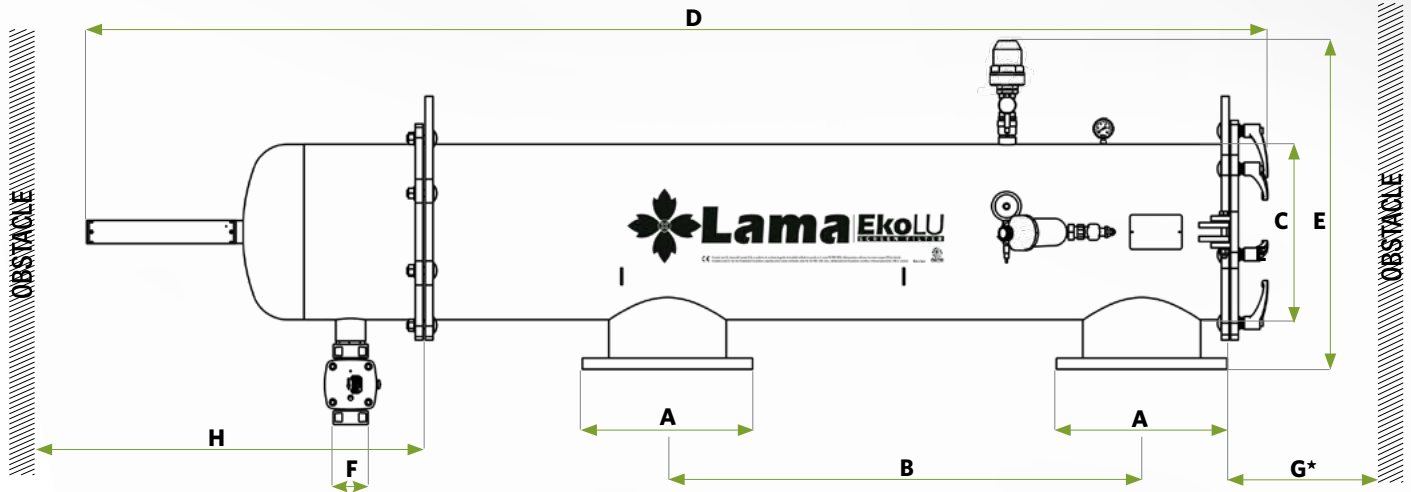
Pickling and passivating.

FILTERING ELEMENT

Stainless steel screen injected in a polyamide tubular structure. For our automatic filters the standard screen is 190 µm (0,190 mm). Other screen options are available, ranging from 1.500 µm (1,5 mm) down to 20 µm (0,02 mm).

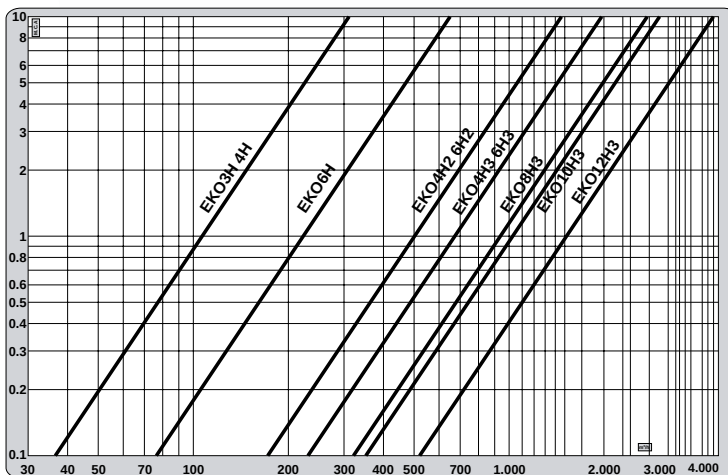


AUTOMATIC HYDRAULIC SCREEN FILTER EKOLU



G*: security area for the cartridge removal.

HEAD LOSS



Results obtained in our factory with approved measuring instruments, using clean water as a liquid for assessment and Lama screen of 190 µm.



A (Ø)	B (mm)	C (mm)	D (mm)	E (mm)	F (Ø)	G (mm)	H (mm)	Net Weight (kg)	Package			Code
									Dimensions (mm)	Weight (kg)	Volume (m³)	
3" Flange	450	220	1.240	370	1"H	355	365	44	1.250x800x600	67	0,600	EKO3HSi
4" Flange	450	220	1.240	370	1"H	355	365	45	1.250x800x600	68	0,600	EKO4HSi
4" Flange	900	220	2.600	370	2"H	355	1.421	100	2.400X700X560	117	0,940	EKO4H2Si
4" Flange	450	406	2.280	760	1" ½ H	1.270	900	185	2.070x700x850	226	1,23	EKO4H3Si
6" Flange	750	220	1.600	370	2"H	355	717	58,20	1.450x800x560	80,2	0,649	EKO6HSi
6" Flange	900	220	2.600	370	2"H	355	1.421	106	2.400x700x560	123	0,940	EKO6H2Si
6" Flange	800	406	2.280	760	2"H	1.270	900	190	2.050x700x850	226	1,219	EKO6H3Si
8" Flange	719	406	2.065	760	2"H	1.100	900	200	2.050x700x850	254	1,219	EKO8H3CSi
8" Flange	1.100	406	2.415	760	2"H	1.405	900	218	2.050x700x850	254	1,219	EKO8H3Si
10" Flange	1.100	406	2.685	760	2"H	1.675	900	240	2.200x700x850	275	1,309	EKO10H3Si
12" Flange	1.370	406	2.820	760	2"H	1.810	900	254	2.540x700x870	280	1,546	EKO12H3Si

AUTOMATIC HYDRAULIC SCREEN FILTER EKOLU



Flow Limit 3m H.D	Max. Recommended Flow (m³/h)		Screen Surface (cm²)	Filtration Surface (cm²)	Backwashing			Nº Cartridges Section	Code
	< 50ppm	50/100ppm			Flow (m³/h)	Water Quantify (ℓ)	Time		
180	70	37	1.593	3.378	6,2	34,4	20"	2 x T14P176	EKO3HSi
180	70	37	1.593	3.378	6,2	34,4	20"	2 x T14P176	EKO4HSi
720	280	148	6.370	8.155	15,5	215	50"	8 x T14P176	EKO4H2Si
1.050	350	211	9.568	12.893	12,4	172	50"	8 x T28P135	EKO4H3Si
370	140	74	3.185	4.970	12,4	68,8	20"	4 x T14P176	EKO6HSi
720	280	148	6.370	8.155	15,5	215	50"	8 x T14P176	EKO6H2Si
1.050	350	211	9.568	12.893	12,4	172	50"	8 x T28P135	EKO6H3Si
788	263	158	7.176	9.670	9,3	129	50"	6 x T28P135	EKO8H3CSi
1.400	394	237	10.764	14.089	15,5	215	50"	9 x T28P135	EKO8H3Si
1.480	481	290	13.156	16.481	18,6	258	50"	11 x T28P135	EKO10H3Si
1.800	525	317	14.352	17.677	18,6	258	50"	12 x T28P135	EKO12H3Si