

TECHNICAL DATA

Eko

Hydraulic filter, principle "action-reaction".
From 3" to 10".



2,5
BACKWASHING
PRESSION
kg/cm²

Available
PRES MAX 16
kg/cm²
228 psi

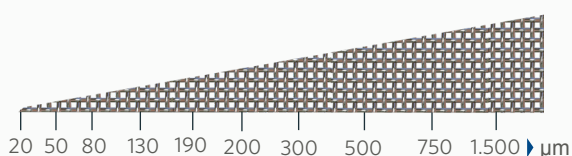
PRES MAX 10
kg/cm²
142 psi

STANDARD 190µm

nanoPLUS+
TECHNOLOGY

FILTERING ELEMENT

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



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. It also has a great filtration surface and reduced head loss.

CONSTRUCTION MATERIALS

Body: carbon steel.

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

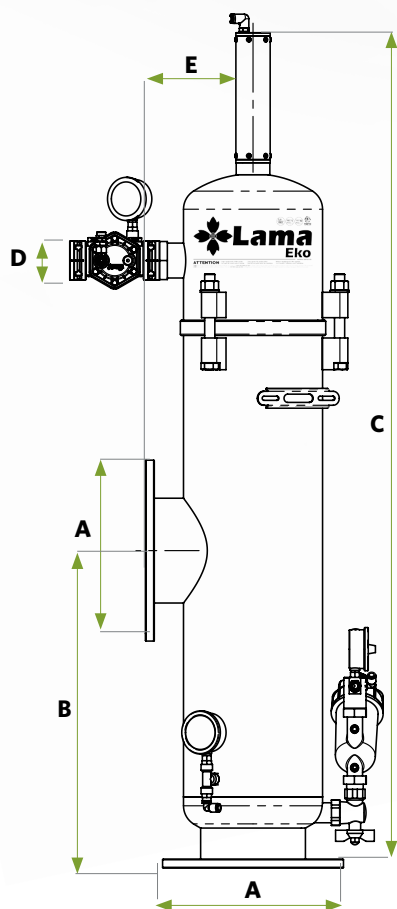
Testing pressure: 15 kg/cm²

Available pressure: 16 kg/cm²

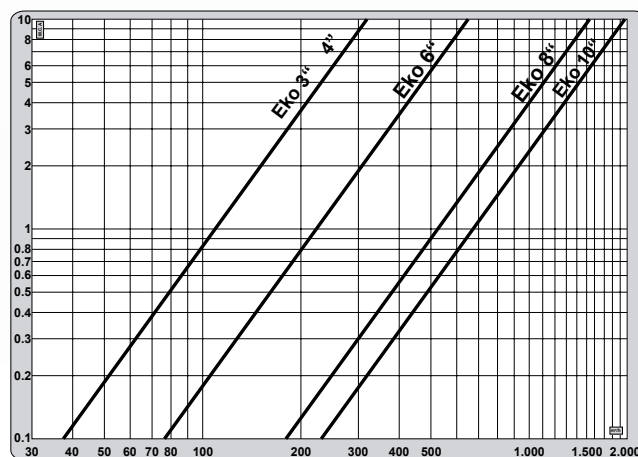
STEEL SURFACE TREATMENT

The steel elements are treated internally and externally and an impregnation of NANOTECHNOLOGY. After that, the elements are painted by electrostatic spraying powder paint, epoxy polyester

AUTOMATIC HYDRAULIC SCREEN FILTER EKO



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 (Ø)	E (mm)	Net Weight (kg)	Package			Code
						Dimensions (mm)	Weight (kg)	Volume (m³)	
3" Flange	300	975	1" H	170	32	860x700x460	41	0,276	EKO3VS
4" Flange	300	975	1" H	170	33	860x700x460	42	0,276	EKO4VS
4" Flange	300	1.176	1" ½ H	170	44	1.260x800x550	64	0,276	EKO4VLS
6" Flange	500	1.320	1" ½ H	170	56	1.260x800x550	76	0,554	EKO6VS
6" Flange	585	1.320	2" H	303	100	1.390x700x850	120	0,827	EKO6VLS
8" Flange	585	1.450	2" H	303	110	1.390x700x850	130	0,827	EKO8VS
10" Flange	750	1.854	2" H	303	129	1.800x700x850	159	1,071	EKO10VS

Flow Limit 3m H.D	Max. Recommended Flow (m³/h)		Filtration Surface (cm²)	Backwashing			Nº and Code of Cartridges	Code
	< 50ppm	50/100ppm		Flow (m³/h)	Water Quantify (l)	Time		
180	70	37	1.593	6,2	34,4	20"	2 x T14P176	EKO3VS
180	70	37	1.593	6,2	34,4	20"	2 x T14P176	EKO4VS
180	107	57	2.389	12,4	69	20"	3 x T14P176	EKO4VLS
370	144	77	3.185	12,4	69	20"	4 x T14P176	EKO6VS
580	224	120	4.784	14,4	80	20"	4 x T28P135	EKO6VLS
725	280	150	5.980	14,4	80	20"	5 x T28P135	EKO8VS
1.120	432	232	9.568	20	111	20"	8 x T28P135	EKO10VS