EKOLU Screen Filters

Data Sheet

GLACIER FILTRATION
Lama Hydraulic Screen Filters,
EKOLU Range.

GLACIER
FILTRATION

P: 02 6895 3219 | F: 02 6895 3026 | E: sales@glacierfiltration.com | W: www.glacierfiltration.com.au

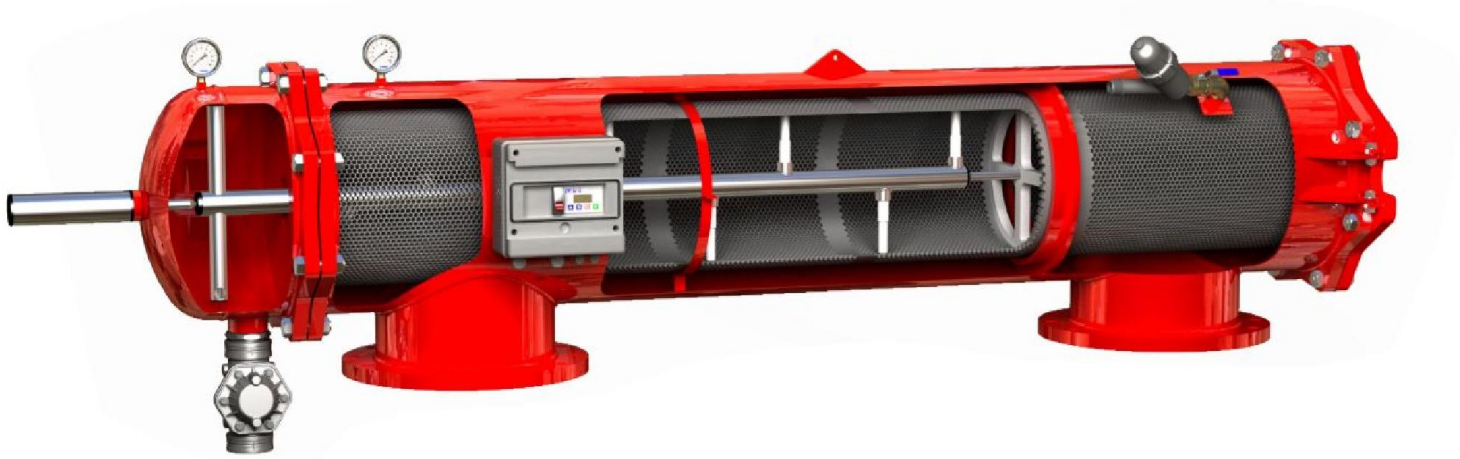
EKOLU Hydraulic Screen Filters Data Sheet

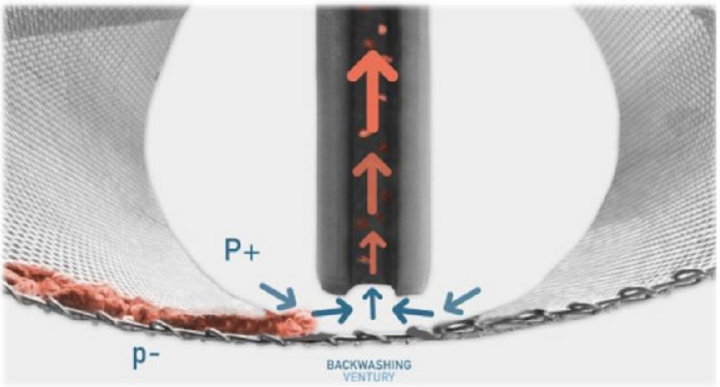
Glacier Filtration are the Australasian Agents for Lama Screen Filtration products, covering Australia and New Zealand.

The Ekolu Range of Screen Filters have a Prefilter cartridge to remove coarse debris.

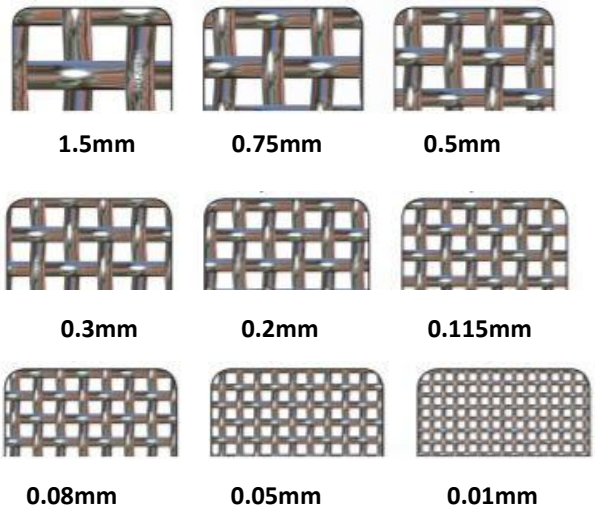
The Ekolu is a hydraulic filter with a programmer that cannot be modified by the end user. The programmer can be used with batteries or with a transformer. It is very easy to handle, with a compact design that responds to the needs of any application.

The Hydraulic Backwash system uses PVC nozzles to create a cleaning vacuum which ranges along the filter screen and sucks particles and solids off the screen, driven by hydraulic power and uses very little water.





SCREEN APERTURES AVAILABLE



CONSTRUCTION
Body: Stainless Steel and Carbon Steel
Joints: Synthetic rubber nitrile 60° Shore
Screws: Zinc-plated weather resistant
Screen: PVC Cartridge and Stainless Steel heat-welded screen
Suction Mechanism: PVC or Stainless Steel (for 12")

FILTERING ELEMENT
Stainless Steel heat-welded screen in a PVC tubular structure. Standard screens are 0.190mm and also are available from 1.5mm to 0.01mm.

EXTERIOR SURFACE TREATMENT
The steel elements are treated internally and externally with phosphate and an impregnation of Amonite. Elements are then painted by electrostatic spraying powder paint and epoxy polyester.

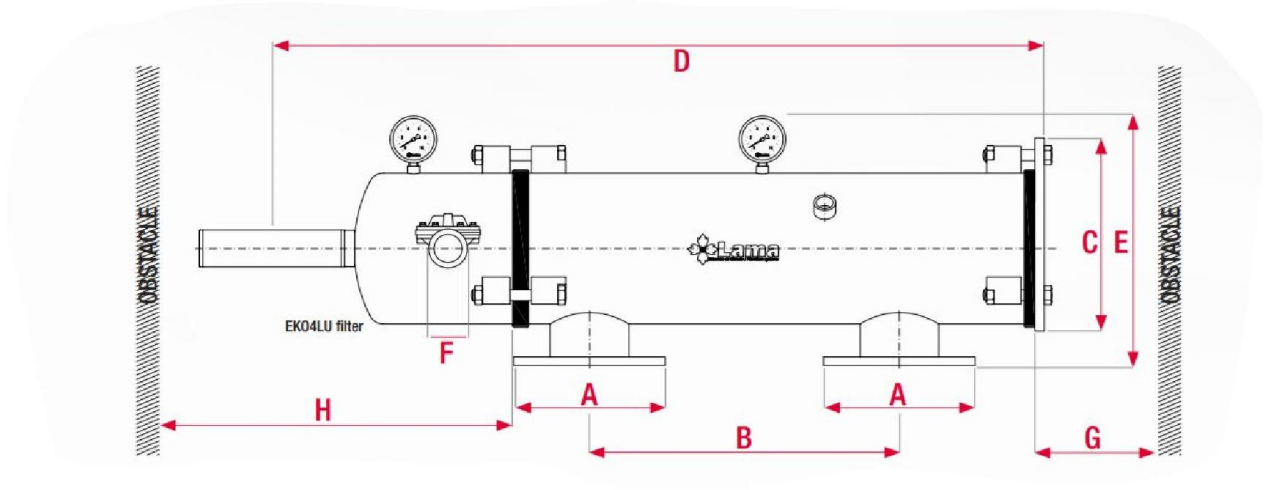
CLEANING
Hydraulic System. The PVC Cleaning nozzles create a cleaning vacuum and range up the length of the filter screen, driven by hydraulic power.

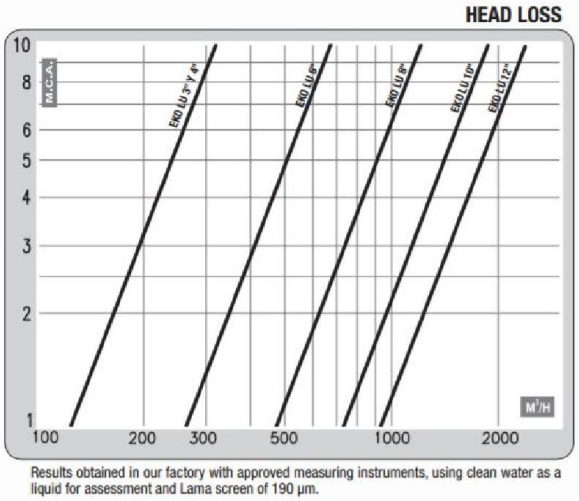
OPERATING PRESSURES
Max Pressure: 10 Bar
Min Pressure: 1 Bar
Min Cleaning Pressure: 2.5 Bar
Test Pressure: 15 Bar
Available Pressure: 16 Bar

FLOW RATE CAPACITY
Flow Capacities from 30m³/h up to 580m³/h

P: 02 6895 3219 | F: 02 6895 3026 | E: sales@glacierfiltration.com | www.glacierfiltration.com.au

EKOLU Hydraulic Screen Filters Data Sheet





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

Model	A	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
GF-EK03LU	3" Flange	450	220	1240	330	1" H	355	365
GF-EK04LU	4" Flange	450	220	1240	330	1" H	355	365
GF-EK06LU	6" Flange	750	220	1590	330	1 ½" H	355	710
GF-EK06PLU	6" Flange	900	325	1920	450	2" H	450	1055
GF-EK08LU	8" Flange	800	406	1770	550	2" H	480	710
GF-EK08LUS	6" Flange	900	325	1920	450	2" H	480	1055
GF-EK010LU	10" Flange	1000	406	2130	550	2" H	480	1055
GF-EK012LU	12" Flange	1370	406	2575	550	2" H	580	1400

Model	Wash Duration (Min)	Wash Water (L)	Wash Flow (m^3/h)	Wash Pressure (Bar)	Filtration Surface (cm^2)	Max Flow (m^3/h) <50ppm	Max Flow (m^3/h) 50/100ppm	Flow Limit 3m. P.D.
GF-EK03LU	20"	34.4	6.2	2.5	3,256	70	37	181
GF-EK04LU	20"	34.4	6.2	2.5	3,256	70	37	181
GF-EK06LU	20"	68.8	12.4	2.5	4,816	144	77	372
GF-EK08LU	20"	80	14.4	2.5	10,804	284	152	723
GF-EK010LU	20"	111.20	20	2.5	13,929	431	231	1,116
GF-EK012LU	20"	144.4	26	2.5	18,143	580	310	1,500

P: 02 6895 3219 | F: 02 6895 3026 | E: sales@glacierfiltration.com | www.glacierfiltration.com.au