

# LST Automatic Tangential Filters

Separation : Liquid/Solid  
Equipment : FILTER  
Media : Automatic  
Self cleaning

## Applications:

High flow rate water filtration. (100 to 10000m<sup>3</sup>h)

**Micron rating:** 150µ, 250µ, 500µ, 1000µ.

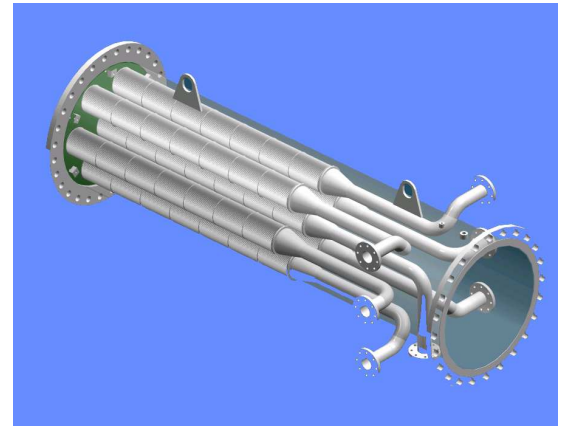
**Service pressure:** 10 bar standard

## Operating principle:

the filter unit consists in a series of filter tubes made of triangular wire. Each tube includes its own drain output. The water speed inside the tubes flushes the solid particles towards the drain output valve.

The accumulated solids are discharged when the valve opens.

Filtering tubes clean one after the other: water flow is thus never interrupted.



**Advantages:** Simplicity, Automatic self cleaning, No maintenance (No moving part except automatic valves), In line configuration, Can be installed in vertical, angular or horizontal position. Fabrication in carbon steel, SS 304 L or 316 L, special material available for seawater (Titanium, Hastelloy) .



"V" shape media avoids clogging

Flow Direction



## Examples of filters

Types	Flow mini m <sup>3</sup> /h (250µ)	Nominal Flow (250µ)	Flow maxi m <sup>3</sup> (250µ)	Inlet Outlet diameter	Length (mm)
1	33	48	53	100	1020
5	87	124	136	150	1110
9	142	204	224	200	1590
14	276	394	434	250	1960
15	352	503	553	300	2290
19	601	858	944	350	2700
24	1180	1686	1854	600	4010
30	2925	4178	4596	900	6220
34	7312	10445	11490	1000	6830



## Minimum required data for enquiry:

Type of fluid and application.  
Nominal and design pressure.

Nominal and design flow capacity  
Required micron rating.