

ELEVATOR SIEVE SERTEL

PRINCIPLE

The apparatus installed in a channel or a pit, functions without preliminary rising of water. In its lower part, a tilted flat grid stops the particles contained in the effluent, larger than the slot of the opening.

These particles are scraped up in a continuous way by scrapers towards an outlet chute.

The scrapers have stainless steel brushes for slots lower than 6mm. For 6 mm and higher slots we use polyethylene combs.

CONSTRUCTION

The sieves screen cleaners **SERTEL** consist of the following elements:



- A casing made of stainless steel AISI 304 3mm width sheet
- The removable filtering grid consists of triangular section wires; this profile allows an optimal hydrodynamic flow. The thickness of the wires and the space between the wires ranging from 0,2mm to 50 mm and more, are adapted to the problem to treat.

The width of the grid depends on the flow.

· Scraping system includes:

- An axis and two gearwheels made of stainless steel
 - Two stainless steel chains of the handling type with DELRIN rollers, between which supports are fixed carrying the combs or the brushes
 - In the lower part and on each side frames, a fix cylinder made out of polyethylene, around which come to roll the rollers of the chains

The absence of a lower axis leaves to the effluent a totally open way towards the grid.

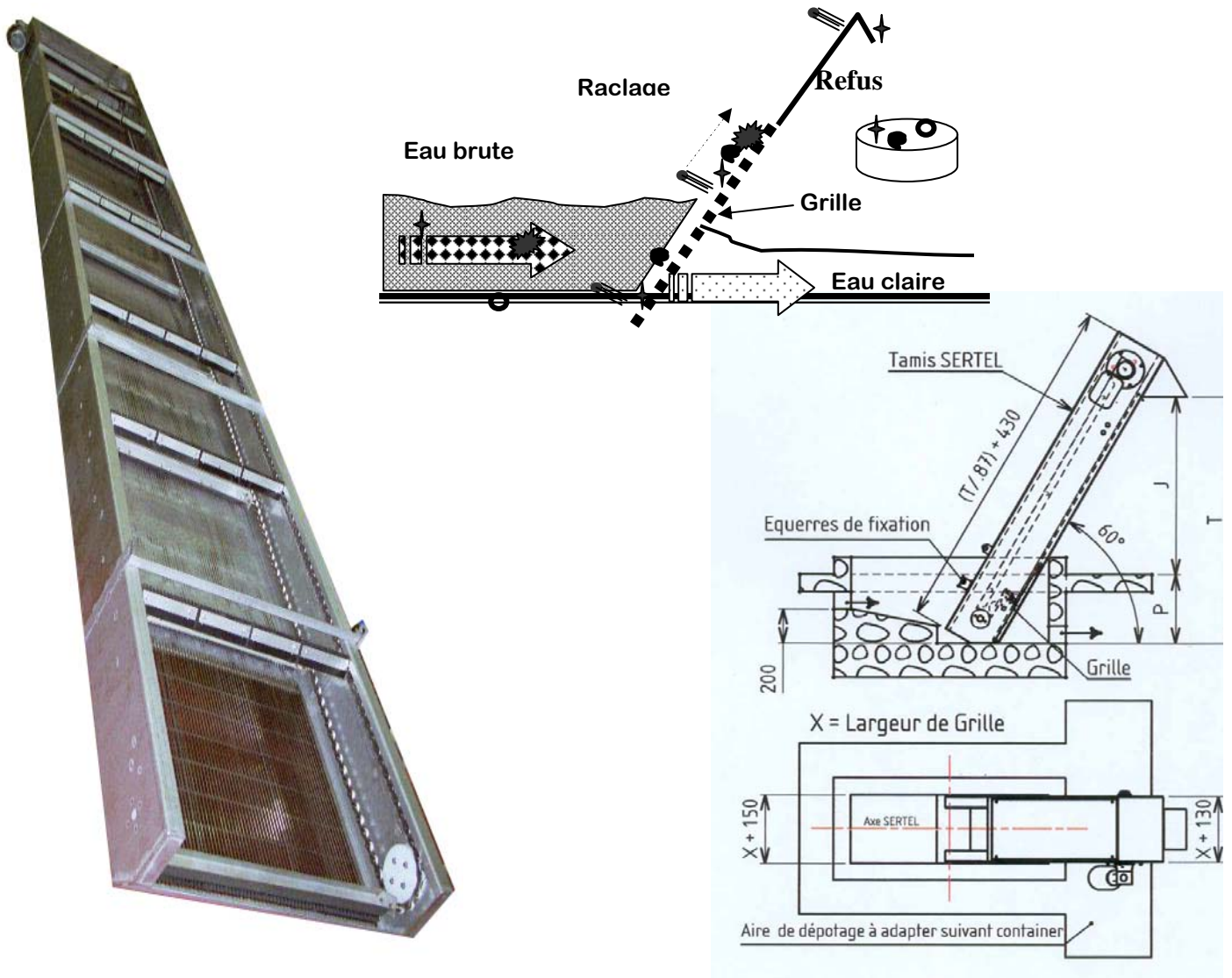
APPLICATIONS AND ADVANTAGES

The sieves screen cleaners **SERTEL** are used in wastewater treatment (urban, industrial, agro-alimentary effluents) and in process.

They are easy to install and require little maintenance.

OPTIONAL EXTRA:

- Electric box of command with gauge level
- Construction with stainless steel 316 L on request .



MODELS : The sieve length varies from 1,5 to 10 mètres. Width is calculated according to the following figures

Flow rate : m ³ /h (with water height = 250 mm)											
Slot mm	Util width : mm										
	250 et ECOTEL	350	500	650	750	850	1000	1250	1500	1750	2000
0,50	13	18	26	34	39	44	52	65	78	91	104
0,75	18	25	36	47	54	61	73	91	109	127	145
1	23	32	46	60	69	78	92	115	138	161	184
2	31	43	62	80	93	105	124	155	186	217	248
3	34	47	68	88	102	115	136	170	204	238	272
6	35	49	70	91	105	119	140	175	210	245	280
10	45	63	90	117	135	153	180	225	270	315	360
15	52	73	104	135	156	177	208	260	312	364	416
20	58	81	116	151	174	197	232	290	348	406	464

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