

SERTAM

ROTATING SIEVE



PRINCIPLE

This rotating sieve separates continuously solid particles in suspension in a fluid. The suspension is distributed on a filtering drum; the particles larger than the openings are retained then scraped away and recovered.

A continuous cleaning is ensured by the filtered water, which crosses the drum from the interior towards the exterior.

A more thorough intermittent cleaning is carried out by a spray bar, supplied by the tap water system, with flat jet nozzles placed inside the drum.

DESIGN FEATURES

The filtering drum is made of stainless steel triangular section wires: this wire allows the obtaining of a very favorable hydrodynamic flow coefficient, from the exterior towards the interior. It facilitates the cleaning of the grid from the inside towards the outside.

Rolling up is carried out by a 0,25 to 10 mms spacing out between wires, depending on the fineness of the required filtration.

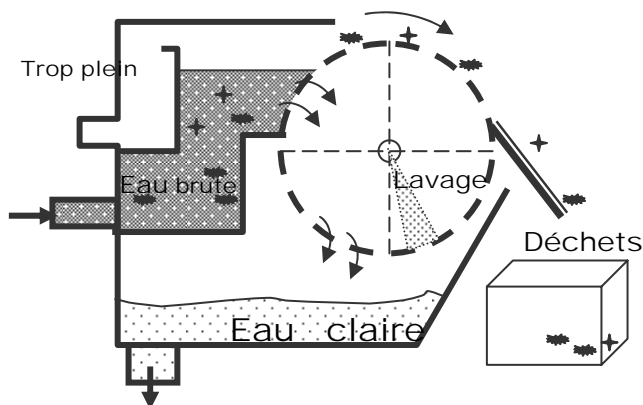
The scraper is made out of a brass blade, fixed on a stainless steel articulated chute which position in relation to the drum, is manually adjusted.

The drive is ensured by a moto-reductor with a speed of rotation adapted to the diameter of the drum. A moto-variator is available as an optional extra.

Dimensions of the sieve - diameter, length, standard or short height - as the positions and the dimensions of the input/outputs, can be adapted to your needs.

The flanges of the drum are largely openwork in order to facilitate a direct access inside the drum.

The jets of the spray bar are in polypropylene plastic to suppress any risk of galvanic corrosion.



APPLICATIONS

SERTAM rotating sieves have a universal application, either in sewage treatment, or in process, for all the urban purification stations and industries (canning facilities - slaughterhouses - cheese dairies – wine industry - etc).

Examples

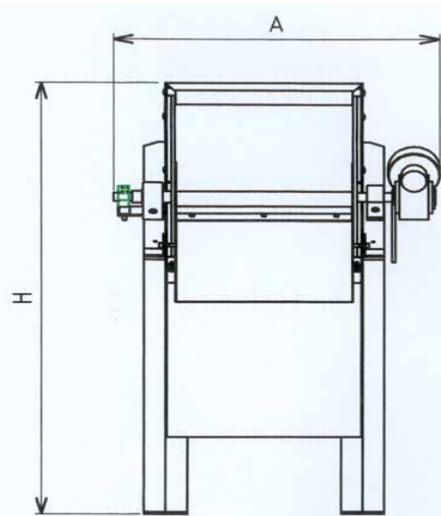
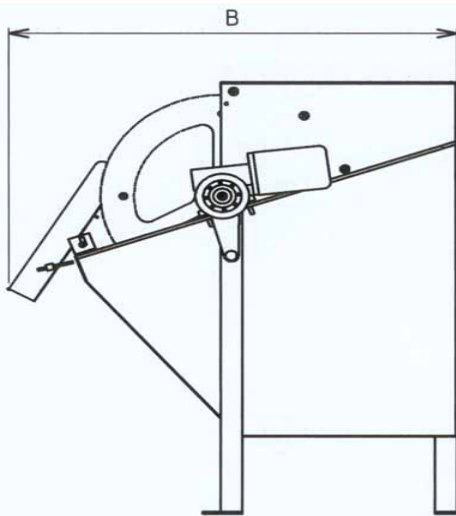
- Filtering of used water before rejection to the sewer or before additional treatment
- Cleaning of vegetables and fruits - Sifting of oil - Recovery of cellulose fibres - etc.

ADVANTAGE

- Simple and robust system functioning without monitoring
- In the case of application in process, possibility of having several interchangeable sieves with different slots
- In the case of treatment of wastewater, reduction of the suspended matter and biochemical and chemical oxygen demand (BOD and COD), allows a rapid pay back by the savings made on the pollution fees

To usefully supplement **SERTAM** rotating sieve, **SERINOL** also offers:

- Its waste compactor machine **SERCOMP**
- Its oil skimmer **DAR** or its flotation unit **FLOT T**



FLOW RATE m ³ /h : (waste water.)											
Slot & dimensions mm	Modèle de tamis : (+6-06 +6-07 +6-08 +6-09 +6-10 +6-12 +6-15 +6-17)										
	4-04	4-05	4-06	4-07	6-05	6-14	6-20	9-14	9-16	9-18	9-20
0,25	8	10	12	14	18	50	72	75	86	97	108
0,50	13	17	20	24	31	86	123	132	150	169	188
0,75	19	23	28	33	44	124	177	192	220	247	275
1	24	30	36	42	58	163	233	256	293	330	366
1,5	30	37	45	52	76	213	304	339	388	436	485
2	33	41	49	57	85	238	340	384	439	494	549
2,5	34	42	51	59	90	252	361	412	470	529	588
Drum Ø	402	402	402	402	617	617	617	914	914	914	914
Dimensions											
A	853	953	1053	1153	953	1853	2453	1828	2028	2228	2428
B	981	981	981	981	1120	1120	1120	1705	1705	1705	1705
H	1330	1330	1330	1330	1442	1442	1442	1743	1743	1743	1743
H surbaissé	750	750	750	750	900	900	900	1300	1300	1300	1300
Weight (Kg)	120	129	138	147	128	220	280	640	690	740	800

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September 2003