

SAND CLASSIFIER

SERSAB

PRINCIPLE

The sand classifier **SERSAB** is a separator in which the sand particles are sedimented and are extracted from the bottom by an Archimedes' screw, while water is recovered in the higher part after having crossed a siphoid partition.

These apparatuses are used for removing sand or other sediments from the water treatment plants. They can separate particles of about 0,2 mm diameter



DESIGN FEATURES

- The principal box is a hopper whose two lateral sides are tilted and join the trough of the screw located in the lower part
- The input casing of the effluent to be treated comprises a round lower sheet; system which makes it possible to tranquillise the flow and to decrease turbulence at the entry of the apparatus
- Sand falls towards the Archimedes' screw, while clear water passes under the siphoid partition and flows in a chute located at the back of the apparatus

CONSTRUCTION

All the hopper unit and trough of the screw are built out of AISI 304 stainless sheet steel. The Archimedes' screw of transfer, whose standard slope is of 25°, is built exactly like our **SERVIS** conveyors, namely: The axis less screw of transfer is out of high-gauge steel and is pulled by the moto-reductor located in the higher part. The screw is set on a polyethylene doubling of a 8mm thickness, fixed at the bottom of the trough. In its higher part the trough is equipped with a screwed lid. The tubes of input and output of water are equipped with supports. A chute is also provided at the output of the sands.

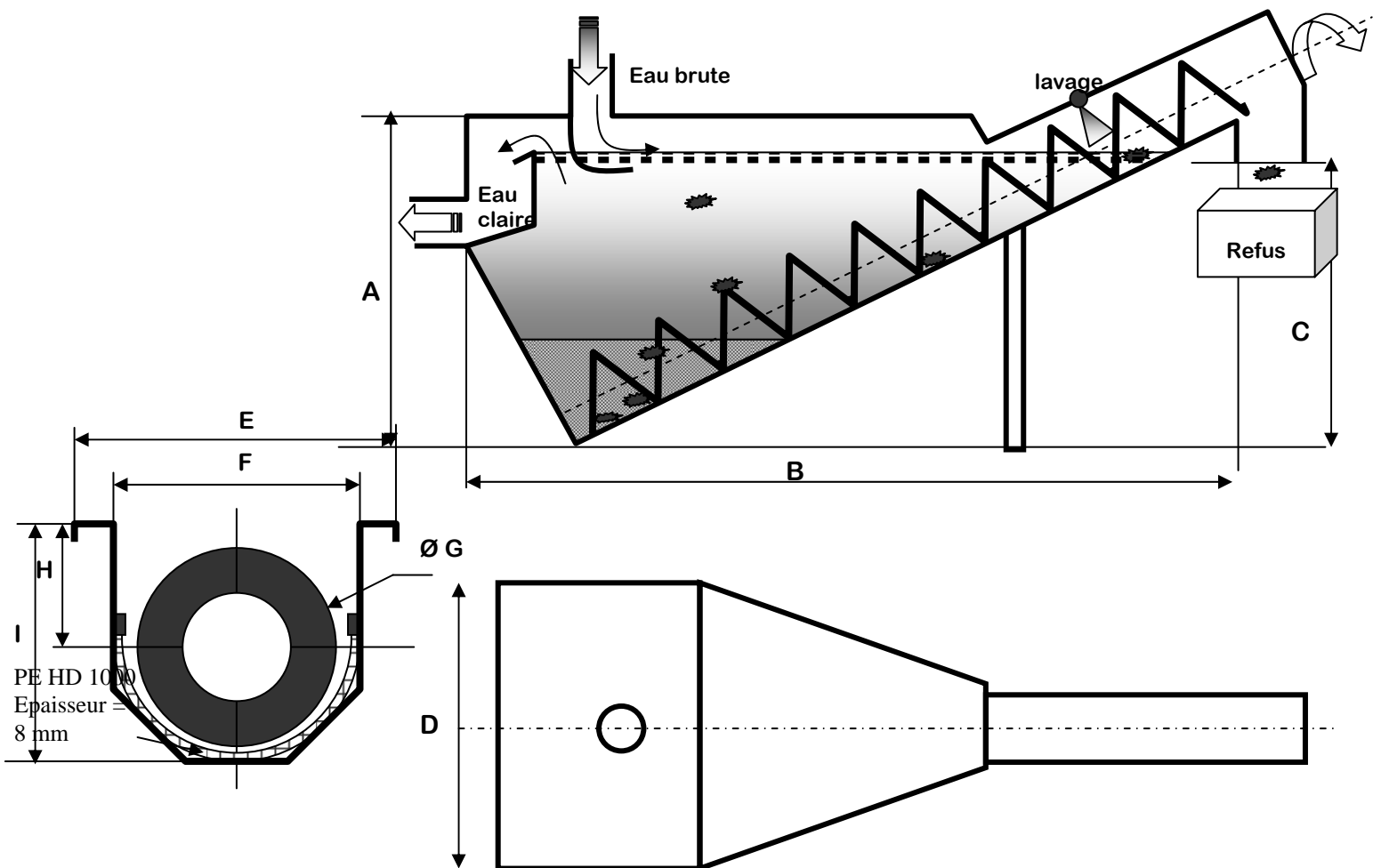


MOTORISATION

The axis welded at the higher end of the screw crosses a ball-and-socket jointed stage with an adapter sleeve. The moto-reductor is mounted floating. The apparatus is equipped with supporting feet.

OPTIONAL EXTRA

- Electric Box with: command and protection components – adjustable timer
- Larger lengths screws
- Hydro-cyclone at the entry.



Modèle SAB	Débit m ³ /h	Volume trémie m ³	Puissance KW	A	B	C	D	E	F	H	I	G	Section vis mm
200	10-20	1	0,55	1250	3775	1500	1100	320	240	140	251	200	60x15
250	20-50	1.3	0,55	1490	4309	1735	1250	370	290	165	301	250	60x15
300	50-75	2	0,55	1750	5240	2150	1500	420	340	190	351	300	100x15
350	75-100	3.2	0,55	2100	6000	2400	1600	470	390	215	401	350	100x15
400	100-125	4.3	0,55	2200	6300	2600	1850	520	440	240	451	400	100x15



N°15

SAND CLASSIFIER

SERSAB

Dans le but d'améliorer la qualité de nos matériels, nous nous réservons le droit d'apporter toutes les modifications techniques qui nous semblent nécessaires. Ce document n'a pas un caractère contractuel.

Septembre 2003

65, Avenue Ernest Léotard – 11150 BRAM – France – Tél. 33 (0) 4 68 76 52 52 – Fax 33 (0) 4 68 76 51 01

S.A.S : 315 516 € – SIRET 353 261 860 00012 – Crédit Lyonnais Carcassonne- Code CEE : FR 64 353 261 860 – A P E 285 D

Web : www.serinol.com

e-mail : serinol@serinol.com