



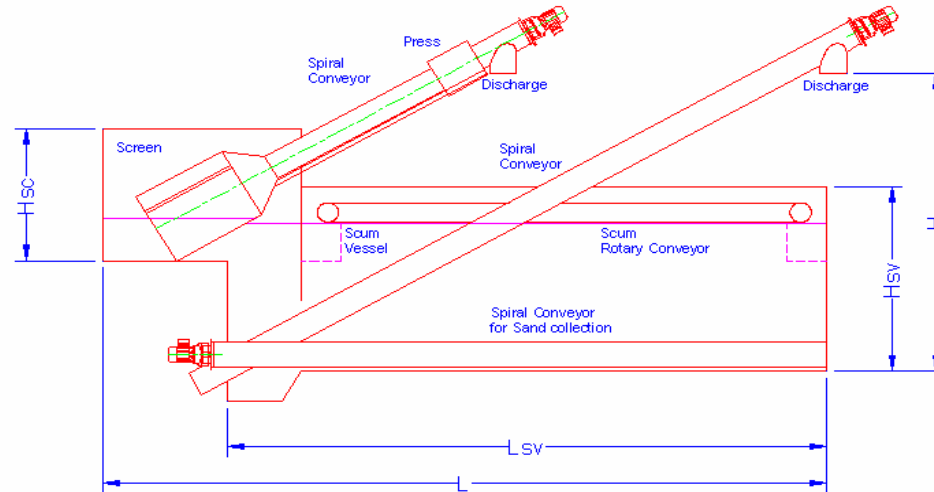
Multi-Purpose Wastewater Screening & Sand Separate

Sieve with Sand vessel and sand separate unit

Process Description and Technology

The Mis Compact Unit for sieving and sand holding multi-functional with it eleven unit operations are executed at the same time:

1. Fine Screening
2. Washing
3. Conveying
4. Compacting
5. Sand collecting
6. Sand Conveying
7. Sand separating
8. Scum Collecting
9. Scum Discharging
10. Dewatering waste & sand
11. Hygienically Packaging



CAPACITY, MEASUREMENT AND POWER VALUES

Type Dimension	φDs Angle Unit	M01-05 220-35°	M01-05 324-45°	M01-05 406-45°	M01-05 508-45°	M01-05 762-42°
φD _c	mm	219	324	324	324	324
H _{sv}	mm	1500	1500	1500	1500	1500
H	mm	Discharge height				
H _{sc}	mm	600	700	800	900	1000
L _{sv}	mm	Depending flow				
L	mm	Lsv+1000				
3xMotor	kW	0,55	0,75	0,75	1,1	2,2
1xMotor	kW	0,25	0,725	0,37	0,55	0,55
Protection		IP 55-IP 65				
Speed	rpm	12	8,5	6,9	7,8	5,9

- 1- Full jacket sieving zone with optional perforations of 3, 5 or 6 mm as well as 1x10 mm slotted holds. Rubber sealing between sieving zone and channel walls to ensure that by-passing is eliminated. No bolted joints at the bottom and walls.
- 2- Innovative spiral brush for self-cleaning of sieving zone. No under-water bearings.
- 3- Full encapsulation of plant from sieving zone up to discharge chute
- 4- Thick walled shaftless spirals, constant large free opening area within the conveying zone, no pitch reduction within the compaction and dewatering zone to ensure that blockage does not occur.
- 5- Integrated compaction and dewatering zone with optional trace heating to ensure against freezing for outdoor installations.
- 6- Totally hygienic encapsulation of the discharge chutes. Optional bagging unit for pressed screenings avoids odour emission.
- 7-Water Discharge
- 8-Scum & Sand Collecting, Conveying, Disharge system.
- 9- Fully-automatic operation