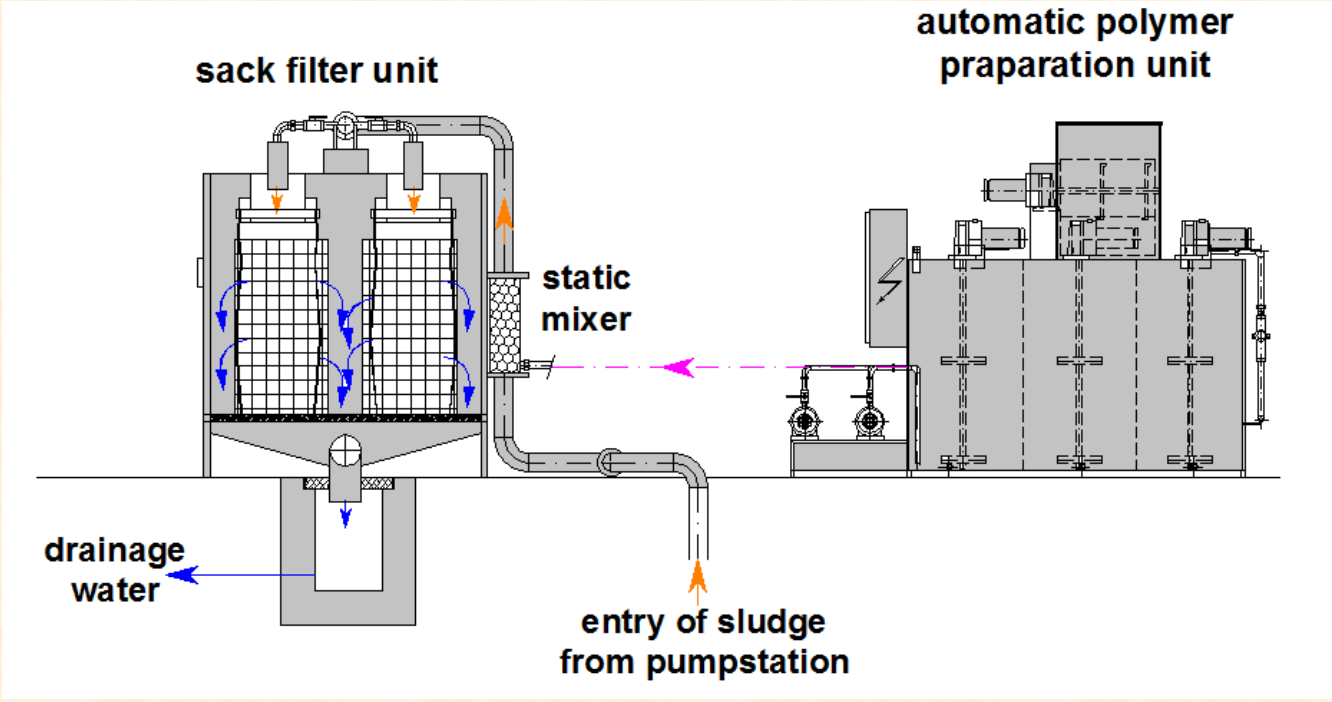
# TSAMPOS Ltd

Plants and construction innovative machines for the sector of waste water treatment process for municipal and industrial waste water

# SLUDGE DEWATERING UNIT WITH FILTER SACK




## SLUDGE TECHNOLOGIE

| Type | SA-F-S6 | SA-F-S12 |
|---|---|---|
| material of manufacture | Stainless steel | Stainless steel |
| dimensions (lxbxh) | 1920 x 1300 x 1500 mm | 3800 x 1300 x 1500 mm |
| way of operation | automatic / manual | automatic / manual |
| active volume of bags | 600 lt | 1200 lt |
| number of dehydration sacks | 6 | 12 |
| sack dimensions | 55 cm x 118 cm | 55 cm x 118 cm |
| sack material | PP | PP |
| gap drainage of sack | 190 μm | 190 μm |

**Type: SA-F-S6**

***description of operation***

the catering of sludge becomes with the help of suitable cochlear pump (monopump) with possibility of depressing pressure >1 bar. In her way the sludge to the unit of dehydration flocculated in static mixed with suitable dosimetry of solution polymer (the sludge should is flocculated in order to is possible her dehydration).

The flocculated sludge pours into sack filter with the help of suitable system of distribution. It is marked that each place of bag can be isolated with the help of valve.

In the beginning the dehydration of sludge until to fill the all sacks are achieved via gravity and with the help of special system of distribution. As soon as they fill the bags via the pump is increased the pressure in filter sack with result the further dehydration of sludge inside filter sack. The special system of distribution and compaction attends in order that the pressure is uniform in the all bags of dehydration. A meter of pressure it interrupts the catering of sludge to filter sack as soon as the pressure reaches in the desirable price of compaction. With suitable timetable is repeated the operation of catering aiming at the further dehydration of sludge with the help of compaction via the pump. It is marked that is not required the use air for moreover dehydration with compaction.

The drainage water of dehydration they are collected in the basin of seabed (form of crucible) and can be led with gravity to adjacent shaft or pumping station

Drainage water

sludge through from sack

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