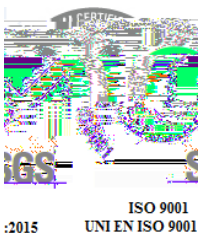


Image of the technical schem 2) An initial filtration tank is provided for the possible big parts and extraneous material from entering.

- 3) In the bottom of the collection tank operates a fluidization ring made with several water jets fed by the primary pump (see PUMP STATION) its function is to prevent the sludge from collecting in the corners and the bottom of the tank

## PUMP STATION

- 4)



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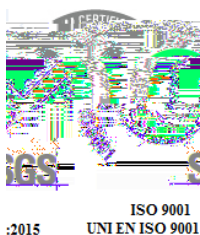
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- WATER TREATMENT SYSTEM -

- 5) Each pump is installed with its own non-return valve, filter and anti-cavitation system fitted on its intake pipe
- 6) A small part of the pumped flow, returns into the collection tank to supply the fluidization ring
- 7) All the DTP system is filled of water and it operates completely under the pressure given by the initial pump. This is maintained right through to the processing machines.
- 8) Several visual and electronic pressure meters control the pumps' work and provide information to the main CPU.

DECONCENTRATOR

- 9) This is the main tank where the physical - dynamic separation, between water and glass mud, occurs
- 10) The dirty water is pumped into a small hole in the bottom part of the tank and then flows out from the top of the tank almost completely cleaned.
- 11) Inside the Deconcentrator there is a particular fixed circuit, that forces different speeds in the water flow, which achieves the separation of the suspended solids and particles of glass from the main body of water
- 12) The glass mud remains automatically in two chambers in the lower part of the Deconcentrator
- 13) The clean water, at the end of this circuit, flows out from the top of the tank
- 14) The glass mud is regularly disposed off from the Deconcentrator by the programmed operation of 2 pneumatic valves (see **SLUDGE DISPOSAL**)
- 15) The sequence of the 2 pneumatic valves operation is at scheduled times controlled by the



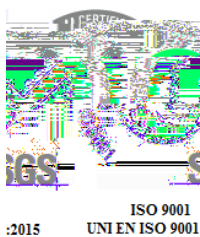
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22) The dirty water discharged during the self-washing cycle returns into the initial collection tank.

**SLUDGE DISPOSAL (from the Deconcentrator)**

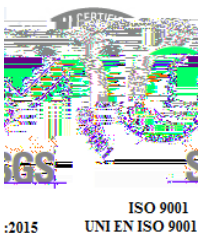
23) The Deconcentrator's two sludge discharge lines with water which is heavy charged wi



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37)



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