

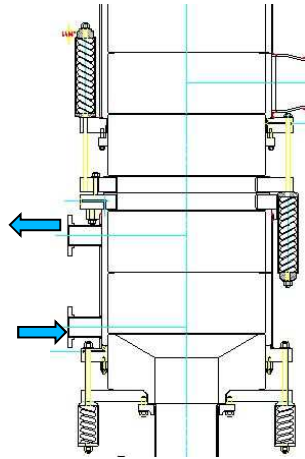
BOOST HCl ACID CONCENTRATION

BY MODIFICATION OF YOUR EXISTING SINTACLOR ®

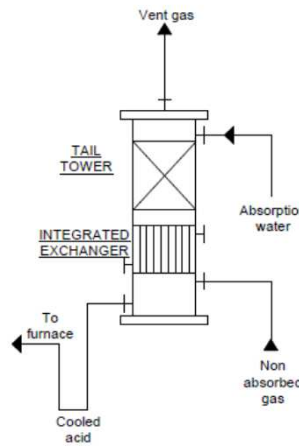
SOLUTION TO PRODUCE HCl SOLUTION AT 35%, 36%, 37% or 38%.

Référence: F10_1_E

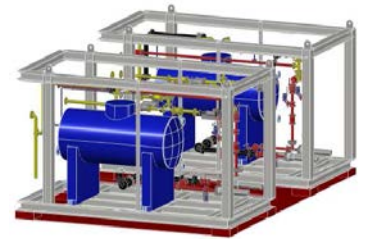
In this type of production, the main difficulty stems from the fact that the vapour pressure of the acid solution quickly becomes very high, meaning that the gradient between the partial pressure of the HCl gas and the vapour pressure of the solution falls and limits absorption. The quantity of gas not absorbed is therefore much higher than in the case of producing 33% acid.



[Integrated cooler on **Sintaclor**]



[Integrated cooler on **Scrubber**]



[Integrated cooler on **Tank**]

SOLUTION #1 : CHANGE YOUR COOLING SOURCE

Replace cooling water on service side by cooler water (chilled water for example)

SOLUTION #2 : SINTACLOR MODIFICATION

Add blocks in Absorber section cooled with chilled water. The design permits to the chiller part to be detached from the Absorber section.

SOLUTION #3 : SCRUBBER MODIFICATION

Evacuate the heat in the bottom part of the tail tower by internal cooling system.

SOLUTION #4 : HCl TANK MODIFICATION

Cool the acid in the transfer tank by adding one heat exchanger in the re-circulation loop.

CUSTOMER BENEFIT

GENERATE MORE PROFIT WITH YOUR PRODUCED HCl ACID SOLUTION