

Productivity

Ensuring the best performance

Safety

Avoiding major accidents

Flexibility

Extending oil supply sources

Crude Distillation Units

SalTraP™ *by La Harpe d'Or*
Performance accelerator



WINTECH GLOBAL
Reliability as your energy

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Formation of corrosive salts: a major challenge

The oil refining and petrochemical industries experience profound changes due to an ever more demanding environment. Refineries need to be more and more profitable to deal with increased pressure from safety regulations and tighter margins. In that purpose, refineries aim at maximizing the output of valuable products and/or processing discounted 'opportunity' crudes. This can lead to the lowering of operating top temperature of the distillation columns and to the rising of salt content in desalted crudes. **One of the effects induced by this evolution is the risk of formation of extremely corrosive chloride salts in the columns.** The process equipment is severely attacked by these salts leading to loss of operation and/or accidents with risk of fire.

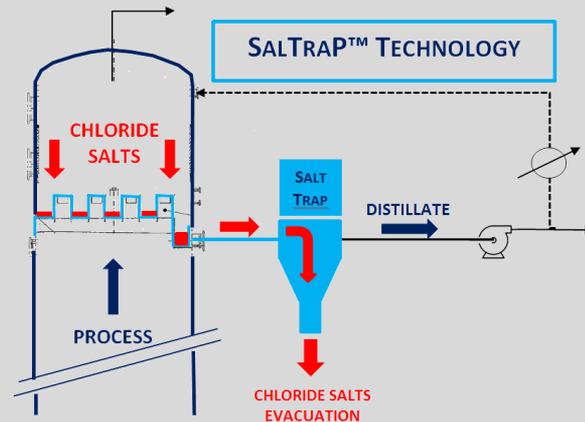


Securing Distillation Units

SalTraP™ MAKES IT POSSIBLE TO ELIMINATE THE RISK OF ACCIDENT BY AVOIDING THE CONTACT OF THESE CORROSIVE SALTS WITH NON-PROTECTED EQUIPMENT

Anticipate and control

The principle of **SalTraP™** is based on the on-stream and continuous collection and evacuation of the corrosive salts formed in the atmospheric columns and vacuum columns of Distillation Units. During normal operation, the salts are drawn off of the columns with the hydrocarbon streams from the first total draw-off tray in the column top. Installed in the draw off system, SalTraP allows the extraction of these salts from the hydrocarbon stream by gravitational decantation .



- ✓ Allow a reduction of column top temperature to maximize benefits
- ✓ Avoid the risk of accelerated damage and major accidents
- ✓ Process a wider variety of crude oils
- ✓ Compensate the limits of desalter efficiency without impacting the production capacity of the unit
- ❖ Without the use of chemical additives

SalTraP™ IS PROTECTED BY AN INTERNATIONAL PCT WO2018/224738

