

# DIABON HCl synthesis units – a perfect match between energy efficiency and highest HCl concentrations up to 38%

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## ABSTRACT

BU PT, a renowned technology provider in the process industry, is well-established in handling corrosive applications. At Euro Chlor, SGL will showcase innovative solutions to enhance absorption efficiency, which is crucial for producing high-concentrated hydrochloric acid. The presentation will cover various methods, including cooled scrubber sections, counter-current absorption, external falling film absorbers, and the use of chilled media.

Additionally, the presentation will highlight the success story of heat recovery systems sold since the last Euro Chlor event. One notable example is the revamp of a standard unit with a heat recovery solution by integrating an Ecosyn unit into an existing installation.

Furthermore, SGL will introduce its largest 175 TPD HCl unit featuring spin burner technology, capable of producing 37% acid. This presentation will provide valuable insights into the advancements and efficiencies achieved in HCl synthesis, demonstrating SGL's commitment to innovation and excellence in the field.

### Keywords:

HCl synthesis, energy efficiency