

Central spin burner

Designed for highest product quality

SGL Carbon offers HCl synthesis units designed to produce high purity hydrochloric acid. In our units, H₂ and Cl₂ react at temperatures above 2000 °C (3630 °F) to produce HCl gas. One key component to assure the highest product quality are the burner tubes feeding the gases to the reaction zone.

Based on our extensive experience we developed and tested a concept for new proprietary burner tubes manufactured out of our high quality DIABON® graphite. The new central spin burner ensures highly efficient combustion and long lifetimes. The design covers a wide range of feed gas compositions and therefore individual customer needs. The new burner is compatible to SGL Carbon's valued operating and safety systems.

Customer benefits

- **Unmatched product quality:** high turbulence leads to optimized conversion, further decreasing the content of free chlorine in the product
- **Reduction of required hydrogen excess:** improved reaction kinetics
- **Maximum reliability:** tubes made completely of high quality DIABON graphite
- **Fully compatible with existing units:** retrofitting of existing units is possible, the design is compatible with all our devices assuring superior quality
- **Supply:** fully manufactured by SGL Carbon for decreased lead time



↑ Burner tube with central spin

TIS HCl spin burner.00

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The data contained herein represent the current state of our product knowledge and are intended to provide general information on our products and their application spectra. In view of the variety and large number of application possibilities, these data should be regarded merely as general information that gives no guarantee of any specific properties and/or suitability of those products for any particular application. Consequently, when ordering a product, please contact us for specific information on the properties required for the application concerned. On request, our technical service will supply a profile of characteristics for your specific application requirements without delay.

