

Stop damage risk, save 30 %  
energy, with GEA Service.

CONSTANTLY  
IMPROVING

## GEA Steam Ejector

Made of DIABON®-graphite for  
highly corrosive applications

Processes in the chemical industry are often highly corrosive and need materials that are strongly resistant. In the past porcelain was the material of choice, but always with a considerable risk of damage. In cooperation with SGL Carbon, a major producer of carbon-based products, GEA has developed an innovative ejector body made of graphite. The new DIABON®-graphite ejector simply replaces ceramic ejectors without modifications on existing installations.

Besides the long list of benefits it complies with the actual chemical industry specifications.

### Your benefits

- Higher mechanical resistance without risk of damage
- Standard body, custom-sized inside to save more than 30 % energy
- Very accurately executed dimensions, not possible with porcelain
- Reduced lead time (supplier stocks pre-tooled units, impregnated)
- Reduced manufacturing costs



# Optimization of vacuum systems in highly corrosive processes

GEA Service has successfully retrofitted several vacuum systems previously equipped with porcelain ejectors. Porcelain is very resistant to aggressive media, but has great disadvantages: It comes with a high risk of damage and cannot be tooled accurately, which directly affects the energy consumption of an ejector.

The body of the new ejector from GEA Service and SGL Carbon is made of DIABON®-graphite, which has a higher mechanical resistance. Inside dimensions can be made very accurate to exactly meet the customer's performance requirements. This results in energy savings of more than 30 % during operation of the ejector as compared to a porcelain ejector of the same size.

For retrofitting vacuum systems previously equipped with porcelain ejectors, GEA Service offers a complete service package – from inspection of the unit and determination of performance data to engineering and execution of the revamp.

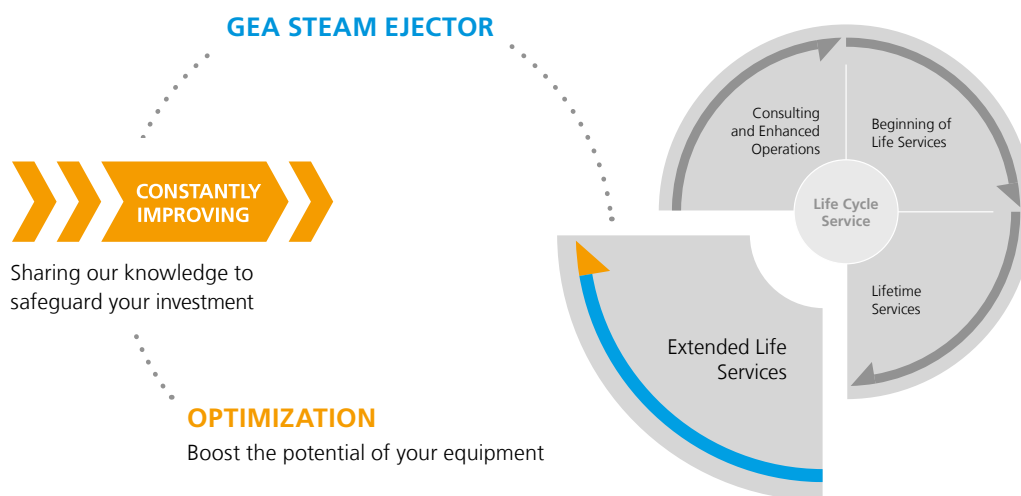


*Steam jet vacuum pump with ejectors and block condenser made of graphite*

## The package includes

- Equipment of the vacuum system with innovative graphite steam injectors
- Reuse of as many existing components as possible
- Maintaining connection dimensions
- Optimizing the capacity to customer's needs with standard or tailor-made units
- Retrofitting in the shortest possible time

## GEA Service – For your continued success



### GEA Service

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