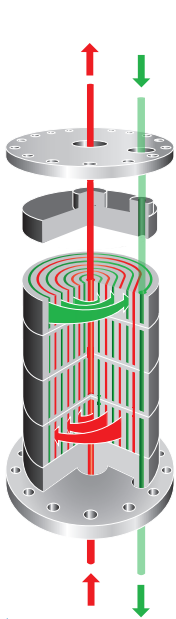
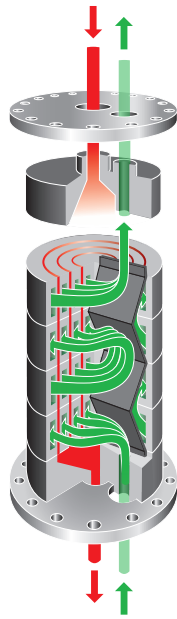


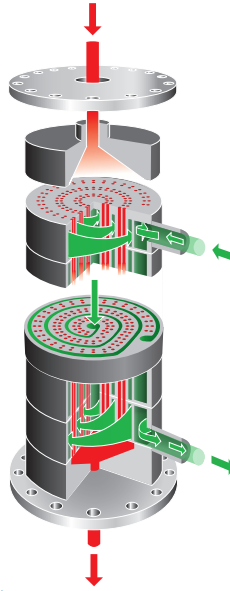
Design of Heat exchangers made of Graphite and Silicon carbide



>
Graphite Annular groove cooler
Type RA/WA



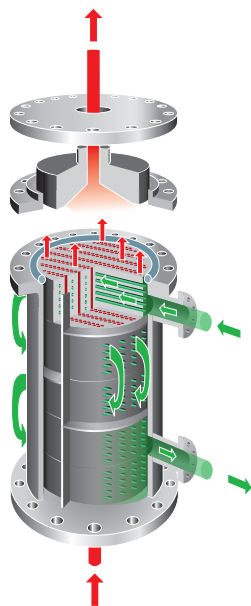
>
Graphite Annular condenser/evaporator
Type NB/HB/UB



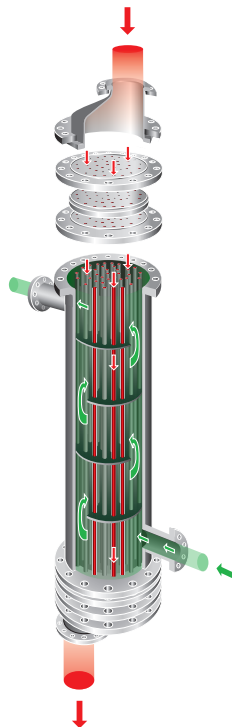
>
Graphite Annular condenser/evaporator
Type GN/GH

> Graphite Heat exchangers

- Unique geometry and design
- Adaptable to multiple operating conditions
- Optimal heat transfer coefficient and thermal transfer
- Extremely low tendency to fouling
- Self-cleaning
- No cross contamination (no gaskets, GMP compliant design possible)



>
Graphite- / SiC-Block
Type GE/GZ or SE



>
Silicon carbide Shell & Tube
Type SR

> Graphite- / Silicon carbide Heat exchangers

- Universal applicable design
- For different applications
- Modular setup and low maintenance structure



Product- and Application overview

	Annular-groove Condenser NB/HB	Annular-groove Heat Exchanger G1	cGMP Annular-groove Condenser NB/GMP / HB/GMP	Annular-groove Vent Condenser GN/GH	Annular-groove Heat Exchanger RA/WA	Annular-groove Dilution Cooler RA-K	Annular-groove Evaporator UB/FB	Conti-Reactor	Block Heat Exchanger GE/GZ	Annular-groove Absorber	Quench	Shell & Tube SR	Block SE
Condensation		●	●	○					○			●	●
Partial Condensation	●	●	○	●					○			●	○
Cooling of Corrosive Media		○	○	○					●		○	●	●
Heating of Corrosive Media	○	○	○	○	●	○			●			●	●
Heat Exchange of two Corrosive Media		○	○	○					○			●	
Dilution Cooling (Sulphuric Acid)					○	●		○	○			●	○
Mixing (+ Cooling/Heating)						●		●				●	○
Circulating Evaporation	○	○	○	○			●		●			○	●
Falling Film Evaporation		○	○	○					●			●	○
Absorption									○	●	○	○	○
Other Mass and Heat Transfer Processes							●			○	●	○	

● recommended
○ suitable

Graphite	SiC
----------	-----



You will find additional information for products and applications in our product information and data sheets. If you have questions do not hesitate to ask us. We're here to help.



Special Equipment for special application possible. Please give us a call.