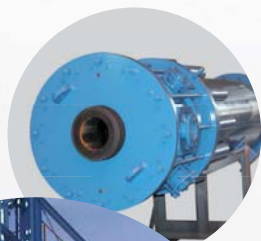


ANTICORROSION AND PROCESS EQUIPMENT



Heat exchangers



Pressure vessels

Columns



Systems

Piping & Fittings

Services & Maintenance



MERSEN

MERSEN IS A GLOBAL EXPERT IN ELECTRICAL SPECIALTIES
AND GRAPHITE-BASED MATERIALS

The Mersen group is a world leader in the design and manufacture of heat exchangers, pressure vessels, columns and piping, manufactured from high-grade materials. This equipment is perfectly suited to corrosive and hot environments.


















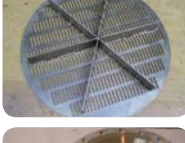















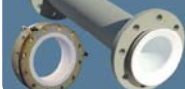


Mersen is recognised for its expertise in the design and manufacture of impervious graphite based corrosion resistant equipment for a wide variety of industries, notably phosphoric acid, steel pickling and chemical. Mersen's century old experience is combined with its exceptional technical materials including Graphilor® 3, our impregnated graphite which is fully designed and manufactured by the group.

Graphilor® 3 is the combination between ultra-fine grain graphite and specific resins and resulting in high resistance to corrosion, temperature and mechanical pressure.

ANTICORROSION & PROCESS EQUIPMENT

Equipment

Engineered Systems

	Reactors Pressure Vessels	Heat exchangers Blocks/Shell & Tubes	Columns	Piping Bellows Fittings	HCl Systems	Acid Systems
Graphite		 			<ul style="list-style-type: none"> - Direct Synthesis, with steam generation in option - Absorption - Evaporation - Concentration - Dilution - Organics treatment 	<ul style="list-style-type: none"> - HBr Synthesis Unit - H_2SO_4 - HF dilution - Cl_2 stripper unit
SiC		 				
Tantalum		 				
Zirconium		 			 	
Titanium		 				
Carbon Steel Stainless Steel Nickel Alloys		 				
PTFE		 			 	

Services & Maintenance

HEAT EXCHANGERS

EXPERTISE: thermal and mechanical design for all the different types of heat exchangers (condenser, evaporator, reboiler...).

HIGH-PERFORMANCE DESIGN TOOLS for calculation of thermal efficiency.

LARGE RANGE:

- Block heat exchangers – cylindrical or cubic designs – graphite or SiC
- Tube heat exchangers – shell and tubes, bayonets, coils – graphite, SiC reactive metals or metals

PRESSURE VESSELS AND COLUMNS

DESIGN AND MANUFACTURE of pressure vessels and columns made of various materials ranging from carbon steel, stainless steel and nickel alloys up to anticorrosive solutions such as titanium, zirconium and tantalum.

KNOW-HOW: any design including solid, lined and clad construction. Notably Mersen CL-Clad solution.

ENGINEERED SYSTEMS

WORLD LEADER in the design and manufacture of HCl engineered packages.

MORE THAN 600 REFERENCES worldwide.

LARGE RANGE OF ENGINEERED SYSTEMS from consulting to engineering studies through to turn-key projects.

PIPING AND ACCESSORIES

ACCESSORIES included columns internals, tantalum special pieces notably for the glass-lined reactor repair.

ALL PTFE MANUFACTURING PROCESSES such as paste extrusion, isostatic molding and PFA transfer molding.

PIPING RANGE :

- PTFE/PFA pipe and fittings
- PTFE bellows and compensators
- PTFE manifolds and dip pipes

SERVICES & MAINTENANCE

START-UP SERVICES

PREVENTATIVE MAINTENANCE

CORRECTIVE MAINTENANCE

CONSULTING AND DIAGNOSTIC SERVICES

Heat Exchanger retubing in a Mersen workshop.

OUR EXCLUSIVE SOLUTIONS

- **Graphilor® 3**, the only impregnated graphite resulting from the combination between graphite and a specific impregnation (phenolic, carbon and PTFE)
- Worldwide exclusive **PTFE and carbon impregnations** of graphite
- **6-meter length** Graphilor® 3 tubes without a join
- **PTFE columns:** diameter up to DN1600 (DN62"), seamless construction
- **CL-Clad®:** patented brazing process developed by Mersen for tantalum





A GLOBAL PLAYER

Mersen is a global expert in electrical specialties and graphite-based materials

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