

Apparatebau
Heat Exchangers



Supplier's Portrait

Apparatebau Heat Exchangers



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General:

product-program: heat exchanger (gas/water, gas/gas, gas/refrigerant), pressure vessel, pulsation dampener / separator, steam generator, steam condenser, heat recovery systems, low pressure and high pressure, pre heater, heater and cooler, oil cooler (thermo-oil, lube-oil), air cooler (compressed air, generator air), rectangular heat exchanger with smooth or finned tubes, evaporator, condenser, desuperheater, economizer, separator, oil cooler, receiver, fully welded plate heat exchanger, vapour condenser, CO2-condenser, vegetable oil heater, gascooler for chlorine

founded in: 1966
locations: Hopfgarten / Austria
Dormagen / Germany
employees total: 90 (45 Hopfgarten, 45 Dormagen)
administration department: 30
production department: 60

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Quality:

system of quality-management:	ISO 9001:2008
first audit:	1996
last audit:	27.10.2009
validity:	26.10.2012
CE-marking :	2001
external inspection-companies.:	TÜV, Infracerv, TÜB Bayer, TÜB BASF, A&O DSM, Stoomwezen Holland, ISPEL Italien, ...
basis of lay-out-design:	ÖWBV, AD-Mbl., BS 5500, ASME VIII Div.1, TEMA R, B, C, ...

IT-equipment:

HTRI, T-Plus, B-JAC, programs developed by APL
(heat-exchanger-design-programs)
Integrated administration programs for technical, sales,
purchasing and administration department
Autocad 2000

Reporting:

monthly detailed bar-diagrams of fabrications status
document controlling-system with reference to ISO 9001

Employees: (Hopfgarten)

technical department:	5 (2 engineers, 3 technicians)
sales department:	5 (5 engineers)
buying department:	2 (1 technician)
administration department:	2
production department:	30 (15 welders)

Capacity:

Hopfgarten:	area of production 6000 m ² 50000 hours of fabrication / year
Dormagen:	area of production 4500 m ² 50000 hours of fabrication / year

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Plant Utilisation:

Very good utilisation in both plants presently.
Pile of orders total approximately € Mio 10,—

Fabrication dimensions and weights:

cross section:	up to 4000 mm
length:	up to 25000 mm
total weight:	up to 100 to
operating pressure:	up to 500 barü

Materials:

structural steels in accordance with EN 10025
fine-grained structural steel in accordance with EN 10028-3 (P355NL, ...)
chrome-nickel-steels (1.3964, 1.4301, 1.4306, 1.4361, 1.4406, 1.4435, 1.4462, 1.4529, 1.4539, 1.4541, 1.4571, ...)
high temperature steels in accordance with EN 10028-2 (P265GH, 16MO3, ...)
copper and copper wrought alloys (SfCu, CuNi10Fe, CuNi30Fe, ...)
nickel based alloys and pure nickel (Alloy, Haselloy, Monel, ...)
claddings of all material combinations mentioned above

Fluids:

Freezing-fluids, refrigerant and loading-transfer-fluids, air, process-fluids, water, steam, oils,...

Non-destructive-testing: (zerstörungsfrei)

x-ray
ultrasonic
magnetic-particle-test
liquid-penetrant-test
leak-test
helium-leak-test

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Equipment: (Hopfgarten)

indoor-cranes:	15 (up to 30 mt)
swing-cranes :	4 (up to 2 mt)
CNC-gas-cutting-machine:	1 (up to 150 mm wall-thickness)
Plasma-cutting-machines:	5 (up to 30 mm wall-thickness)
Orbital-welding-machines:	2
TIG-welding-machines:	14
MAG-welding-machines:	20
E-welding-machines:	20
UP-welding-tools:	1
tube-expanding-tools:	2
tube-bending-machines:	2
rolling bears:	32 (up to 100 to)
roll-up-machines:	3 (up to 16 mm wall-thickness)
cutting-machines:	9
special tools for heat-exchangers:	13
fork lifts:	2 (up to 5 to)
coating-/drying-boxes:	3

sub-suppliers: (semi finished products)

plates :	Salzgitter, Wagner, Avesta, EHG, ...
tubes:	Robur, Fischer, Stinnes, Mertl, Bogner, Sandvik, ...
tube-plates:	in-plant production (Dormagen), Dalnodar, Sulzer, ...
flanges:	Brück, Kollmeder, Greifenberg, Stahl&Plastik, ...
heads:	Kollmeder, Weissthaler, Somepro, Slawinsky, ...
bolts:	Böllhoff, Schmidt, ...
gaskets:	Klinger Gebetsroither, Kempchen
welding addition:	Böhler, Avesta, ...