amcoss systems

heating.

amh heat exchangers for temperatures from 30 °C – 95 °C

amcoss heat exchangers of the amh series replace old or expensive AMAT, Neslab and other OEM temperature control units. They are a powerful and cost-efficient alternative for the microchip production.

amh 080

For the replacement of

AMAT 0 and 1 Heat Exchangers
Neslab Steelhead

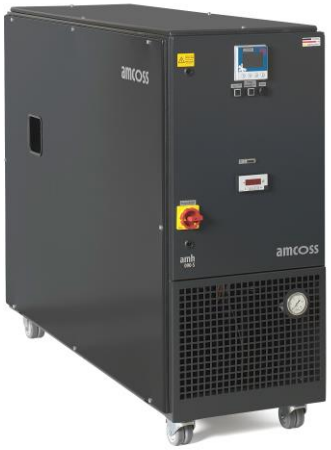
amh 080

amh 090

For the replacement of

Neslab Steelhead
Neslab Endura
TEL MB Square

amh 090 amh 090-E



amh 090-S

Compatible with

Mattson Helios III

amh 090-S

PLUG & PLAY

Superior product-highlights_

// **Plug & play:** there are various options of machine configuration and the equipment will be individually prepared meeting the customer´s individual needs. It needs only to be connected and can be operated at once. This saves time and money.

// **Low acquisition costs** due to an excellent cost-performance ratio.

// **Low operating costs** thanks to an economic pump, heat insulated tanks and piping as well as deionization on demand (resistivity-based regulation).

// **Low maintenance costs** by applying only media pipings made in stainless steel and high-quality components that are easily accessible to be maintained by the customers´ own service personnel. Placing of the high-quality stainless steel pump separately from the storage tank extends its lifetime noticeably.

// The number of connectors (in- and outlet), as well as the type of express connector (Parker, Swagelok etc.) for liquid media may be chosen.

Additional product features_

// Adapted for water and water-glycol mixtures up to 95°C

// Power supply either 400V/50Hz or 208V/50Hz

// Various operation modes: local, CHX interface, DIO

// Integrated protection against dry running and automatic filling level control

// Three-step microprocessor controller with temperature control and automatic optimization

// Resistivity sensor: controls the resistivity of the cooling medium and its deionization. Thus, resistivity of the medium remains stable and so does the whole process.

// Various remote interfaces, e.g. AMAT 5000 analog, Digital IO, CHX, RS-485 etc., are supported - to be used on different machine configurations.

// The balanced size of the heating rod surface makes the heating unit especially powerful and results in lower stress for heater and fluid making both more durable.

// Various displays: system pressure, temperature (0,1°C accuracy), resistivity of process water, etc.

// Optional frequency-controlled pump to maintain constant pressure at the tool

cooling.

amh chillers for temperatures from 0 °C – 40 °C and 0 °C – 60 °C

amcoss offers special, already qualified chillers which for example replace LAM as well as AMAT Centura chillers. They are mainly used for cooling and climatizing chambers and ozon generators but also for electrodes and electrostatic chucks. Our chillers are approved devices which amcoss adapts with proprietary controllers to your individual needs. You will receive a ready-to-use device.

amh 024 / amh 024-AC

Temperature range: 5 – 60 °C

amh 024-AC = air cooled

For the replacement of LAM rainbow platform chillers
- LAM TCU4080
- LAM TCU2080 (dual loop)

amh 024 amh 024-AC

amh 032

Temperature range: 0 – 40 °C

For the replacement of
- LAM TCU4080

This is the model of your choice if a lower temperature range between 0° C and 40 °C is required.

amh 032

amh 030 / amh 030-AC

Temperature range: 0 – 60 °C

amh 030-AC = air cooled

For the replacement of
- Beta Tech CU700
- LAM TCU2080 (dual loop)

amh 030 amh 030-AC

amh 050 / amh 060

Temperature range: 0 – 60 °C

For the replacement of AMAT Centura chillers
- Neslab HX150 (CHX)
- Neslab HX300

amh 050 amh 060

amh 030-2

2 chillers stacked in a specially designed rack to substitute a LAM

amh 030-2

Product specialties_

// An optional tray for the placing of the external DI cartridge, mounted on the backside of the chiller is available.

// The controller with a touch screen is located on the top cover of the chiller. It manages the communication to the tool

- selection of local or remote mode
- adjustment of actual & target temperature
- password entry
- selection of different parameters
- display of warning and alarm

An extra connector is being fixed at the housing.

// Special components, as for example conductivity measurement, are individually available. Fluid couplings can be chosen, e.g. stainless Parker express couplings with bypass or a magnetic valve.

amcoss GmbH
Leusbundtweg 49a
6800 Feldkirch
Austria

phone +43 5522 209 50
telefax +43 5522 209 50-9
sales@amcoss.com

www.amcoss.com
www.amcoss-systems.com

Advantages_

Our customers will receive personalized devices adjusted to their own process requirements and do not have to find solutions on their own. There will be no arduous sourcing processes. amcoss amh devices are even more economic than OEM chillers. That all saves time and money.