

FlowCool Unicus

Water-to-Water Heat Exchanger System



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For many cooling applications (e.g. lasers, electron microscopes or x-ray generators, and countless more) the company's in-house, central cooling water is too cold and/or of insufficient quality.

The FlowCool *Unicus* provides the solution. It employs a water-to-water heat exchanger system, i.e. a cooling system without an active refrigerating unit. The application is cooled via its own water circuit (= application cooling circuit) while the dissipated process heat is transferred to the central cooling water supply (= in-house cooling circuit).

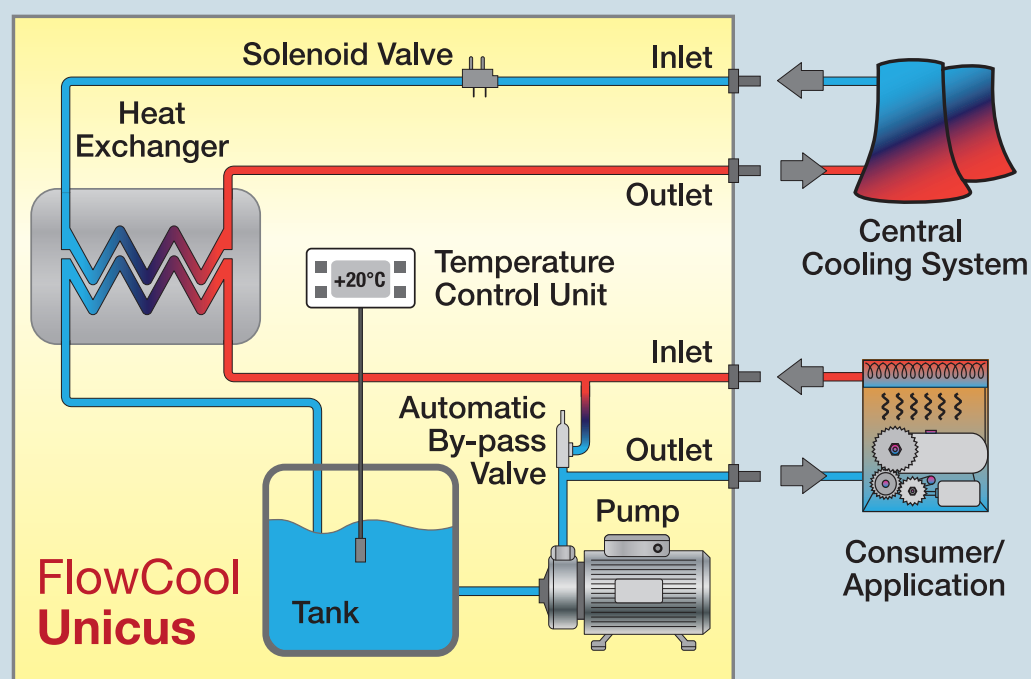
The benefits at a glance:

- Correct and constant water temperature.
- Constant water quality without dirt, lime, algae or rust.
- Correct and constant water pressure.
- Extremely quiet, hence suitable for use directly at the workplace.
- Reliable even at elevated ambient temperatures.
- No additional heat load at installation site.
- Extremely low energy consumption compared with circulating chillers.



Individual colour preferences from machinery and plant manufacturers are also implemented for small production quantities.

Schematic Diagram



Similar to the chiller series various hydraulic systems without tank and/or without pump are available according to customers requirements.