

Making it possible to adjust liquid chemical temperature easily in narrow tubing



■ Features

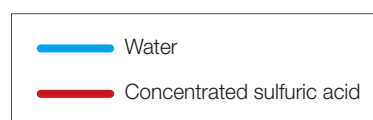
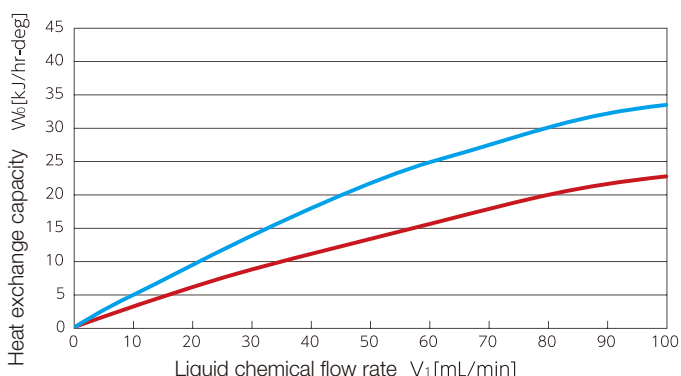
■ Contributing to space saving

This product is compactly designed by combining a fitting and coil tube. It can be incorporated into tubing.

■ All made of fluorocarbon polymers

We have achieved a non-metal and clean design by employing a structure that uses no metal parts or O-rings. This product can be used for heat exchange of corrosive fluids and in corrosive atmospheres.

■ Heat exchange capacity



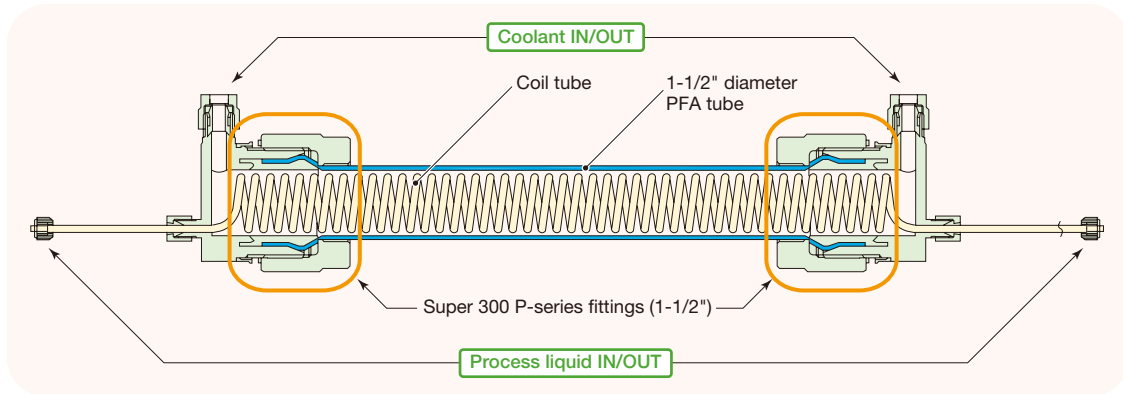
The figure on the left shows an example of heat exchange capacity of low-viscosity liquid chemical (water) and high-viscosity liquid chemical (concentrated sulfuric acid).

Specifications

- ▶ Effective heat transfer area: 0.05 m²
- ▶ Maximum liquid chemical flow rate: 100 mL/min
- ▶ Maximum liquid chemical temperature before cooling: 200°C
- ▶ Heat exchanger connector: Super 300 Type PILLAR FittingTM

Tube Device Type Heat Exchanger

Cross-sectional structural drawing



Heat exchanger model			HEN-050-P10
Heat exchanger connection diameter	mm	Coolant IN/OUT	φ 10
Heat exchanger connection diameter	mm	Process liquid IN/OUT	φ 4
Heat exchanger connectors (coolant intake, liquid chemical intake)			Super 300 Type PILLAR Fitting
Effective heat transfer area			0.05 m ²
Maximum liquid chemical flow rate			100 mL/min
Maximum liquid chemical temperature before cooling			200 °C
External dimensions			608.4 ^L × 73 ^W × 87 ^H mm

Note: The cross-sectional view and model shown above are just an example. We can design this product according to your operating conditions. Please contact us for more information.

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Safety precaution

● When using this product, please use correctly and pay sufficient attention to safety.

* Please understand that this catalog may change without prior notice.
* The values shown on this catalog are reference values, not guaranteed values.

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