

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



### ■ Features

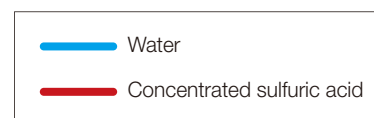
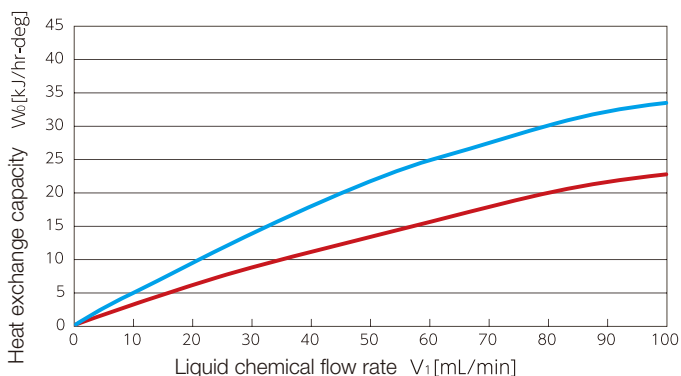
#### ■ Contributing to space saving

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



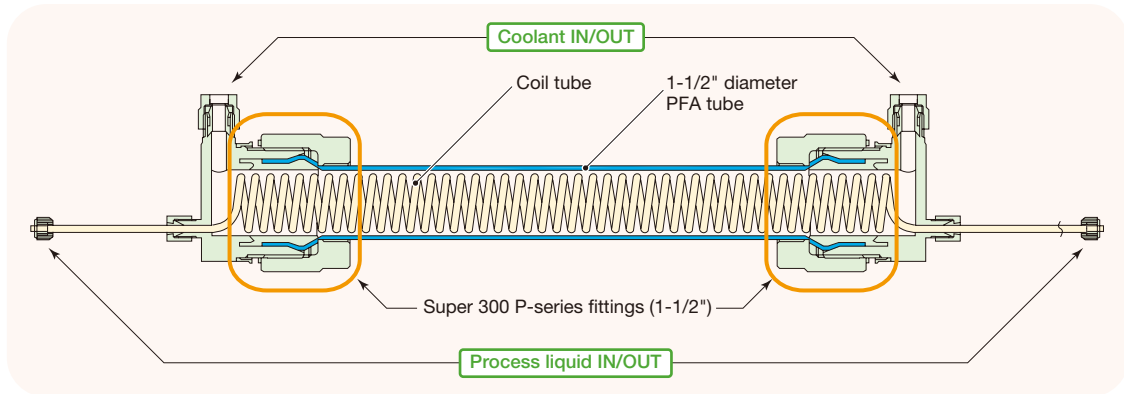
The figure on the left shows an example of heat exchange capacity of low-viscosity liquid chemical (water) and high-viscosity liquid chemical (concentrated sulfuric acid).

#### Specifications

- ▶ Effective heat transfer area: 0.05 m<sup>2</sup>
- ▶ Maximum liquid chemical flow rate: 100 mL/min
- ▶ Maximum liquid chemical temperature before cooling: 200°C
- ▶ Heat exchanger connector: Super 300 Type Pillar Fitting<sup>TM</sup>

# 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                                       | m <sup>2</sup> |                       | 0.05   |
| Maximum liquid chemical flow rate                                  | mL/min         |                       | 100  |
| Maximum liquid chemical temperature before cooling                 | °C             |                       | 200  |
| External dimensions  | mm             |                       | 608.4 <sup>L</sup> × 73 <sup>W</sup> × 87 <sup>H</sup> |

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.

**PILLAR** NIPPON PILLAR PACKING CO., LTD.

Head office/Sales Headquarters  
7-1, Shinmachi 1-chome, Nishi-ku, Osaka 550-0013, Japan  
Phone: +81-6-7166-8326 Fax: +81-6-7166-8514

Email : [sales@pillar.co.jp](mailto:sales@pillar.co.jp)

<https://www3.pillar.co.jp/en/product/>



**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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