

## **Tube-in-Tube Heat Exchanger**

### **VWC-RR**



#### **DESCRIPTION:**

Tube-in-tube heat exchanger with modular design. Vortico VWR-RR exchanger modules can work as separate devices or be combined into larger devices. Thanks to the modular structure, it is possible to optimally select the size of the heat exchanger, enabling the device to be adapted to the available space. Exchangers are individually designed for specific process parameters. At the customer's request, we provide thermal and mechanical calculations of the exchanger as well as drawings and 3D models to be included in the installation project.

#### **MATERIALS:**

We supply heat exchangers made of stainless and acid-resistant steel as well as other materials in accordance with the customer's requirements and appropriate to the medium used.

#### **CONNECTIONS:**

As standard, the exchangers are supplied with flanged connections according to EN 1092-1 or ASME B16.5. Other connections are also available such as Tri-Clamp ISO 2852, threaded connections or others specified by the customer.

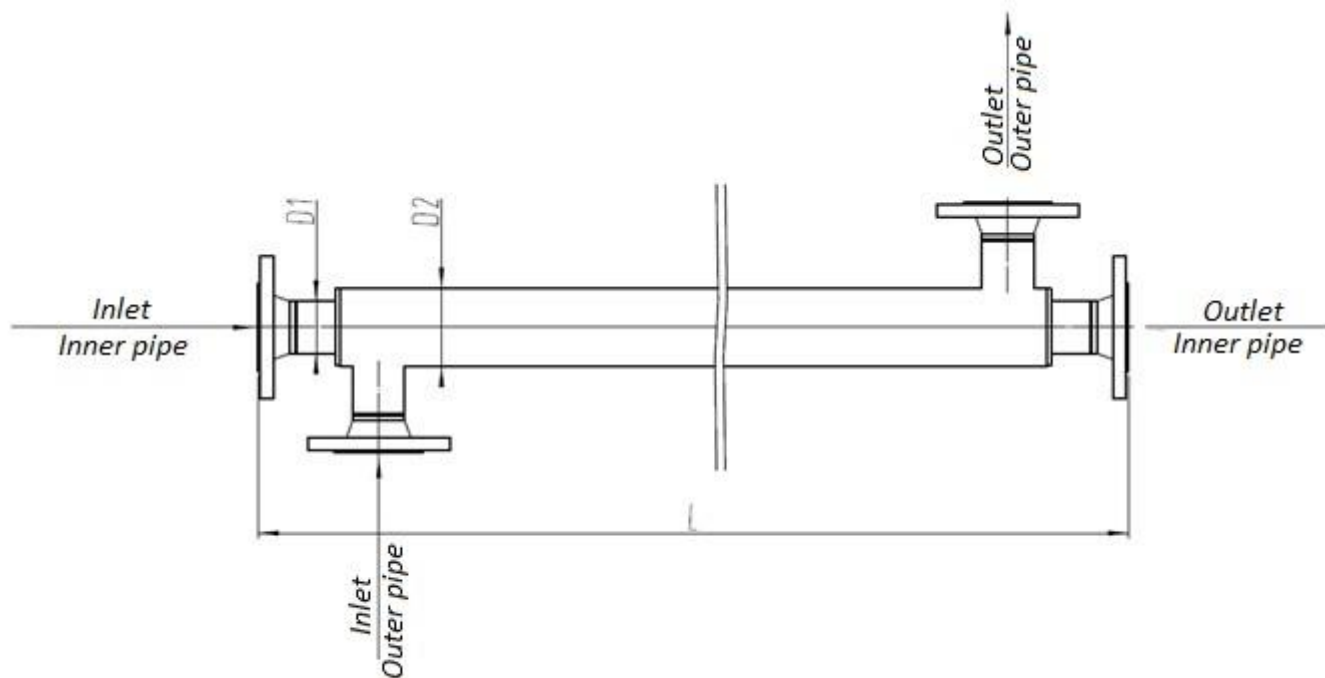
#### **ADDITIONAL EQUIPMENT:**

As an option, the exchangers are supplied with a stand for placing the exchanger on the floor or a hanger for hanging on the wall. Depending on the customer's requirements, we can deliver the exchanger with or without insulation.

#### **DOCUMENTATION:**

The standard documentation delivered with the delivery includes: declaration of conformity, technical and operational documentation along with the installation manual. On request, we provide material certificates, welding documents and other according to the customer's wishes.

**STANDARD DIMENSIONS OF MODULES:**



Type	External Diameter of inner Pipe D1 [mm]	External Diameter of Outer Pipe D2 [mm]	Inner Connection	Outer Connection
VWC-RR 32/50	42,4	60,3	DN32 PN10	DN50 PN10
VWC-RR 50/80	60,3	88,9	DN50 PN10	DN80 PN10
VWC-RR 80/100	88,9	114,3	DN80 PN10	DN100 PN10
VWC-RR 100/150	114,3	168,3	DN100 PN10	DN150 PN10

\* The length of the L module is selected individually depending on the required heat exchange area.

**ADDITIONAL EQUIPMENT:**

A number of additional accessories are available, such as static mixers to improve heat exchange in the case of laminar flows, insulation, brackets for mounting on the wall and many others.