

Product & Applications



Overview

Stainless steel coil-wound tube bundles and 90° connections are used for heating, cooling and condensation. KX and XX series use 316L tubes and a 304 stainless steel shell. Select the model for the thermal duty, fluids and installation conditions.

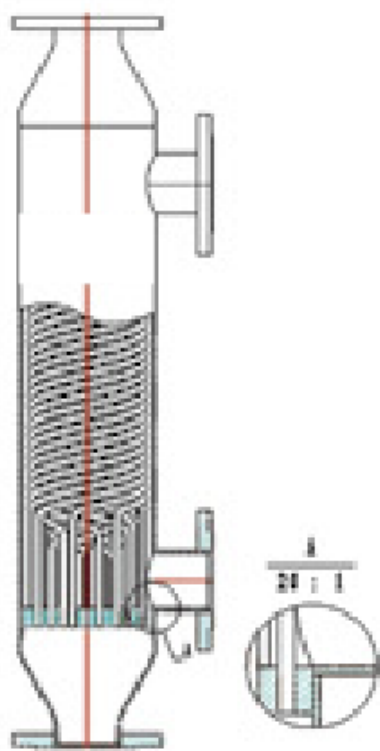
Coil-wound elastic tube bundle  
For heating, cooling and condensation systems.

Compact coil-wound elastic tube bundle  
Compact arrangement selected for installation conditions.

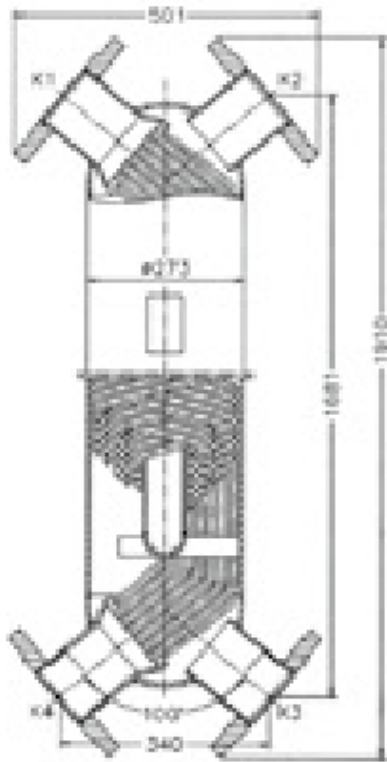
Technical Configuration

| Item                        | Configuration                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------|
| Brand                       | IKUSE                                                                                                          |
| Series                      | KX / XX                                                                                                        |
| Tube material               | 316L stainless steel                                                                                           |
| Shell material              | 304 stainless steel                                                                                            |
| Connection arrangement      | 90° connections                                                                                                |
| Reference temperature limit | 400 °C; verify for the specific service                                                                        |
| Reference pressure          | 1.6 MPa; verify for the specific service                                                                       |
| Processes                   | Heating, cooling and condensation                                                                              |
| Service limitations         | Not for fluids strongly corrosive to stainless steel or crystallizing fluids that can severely block the tubes |

Series Construction



KX



XX

Dimensions, connections and pressure limits are determined by the agreed drawings and operating conditions.

XX Selection Table

Model: IKUSE-XX-a-b; a is shell length and b is heat transfer area.

| Shell diameter<br>(mm) | Model            | Connection | Equivalent<br>diameter (mm) | Area (m <sup>2</sup> ) |
|------------------------|------------------|------------|-----------------------------|------------------------|
| Φ76                    | IKUSE-XX-860-0.7 | DN32       | 20                          | 0.7                    |
| Φ114                   | IKUSE-XX-800-1.2 | DN40       | 32                          | 1.2                    |
| Φ133                   | IKUSE-XX-800-2   | DN50       | 40                          | 2                      |
| Φ159                   | IKUSE-XX-1160-4  | DN65       | 44                          | 4                      |
| Φ219                   | IKUSE-XX-990-6   | DN100      | 62                          | 6                      |
| Φ273                   | IKUSE-XX-1020-10 | DN125      | 77                          | 10                     |
| Φ273                   | IKUSE-XX-1320-15 | DN125      | 77                          | 15                     |
| Φ325                   | IKUSE-XX-1260-20 | DN125      | 92                          | 20                     |

Standard configuration: 304 stainless steel shell and 316L stainless steel tubes. Select for the actual operating conditions.

KX Selection Table

Model: IKUSE-KX-a-b; a is shell length and b is heat transfer area.

| Shell diameter<br>(mm) | Model             | Connection | Equivalent<br>diameter (mm) | Area (m²) |
|------------------------|-------------------|------------|-----------------------------|-----------|
| Φ76                    | IKUSE-KX-1150-1   | DN32       | 20                          | 1         |
| Φ133                   | IKUSE-KX-1160-3   | DN50       | 40                          | 3         |
| Φ159                   | IKUSE-KX-1360-5   | DN65       | 44                          | 5         |
| Φ219                   | IKUSE-KX-1190-8   | DN100      | 62                          | 8         |
| Φ273                   | IKUSE-KX-1150-12  | DN100      | 77                          | 12        |
| Φ325                   | IKUSE-KX-1180-18  | DN125      | 92                          | 18        |
| Φ360                   | IKUSE-KX-1620-25  | DN150      | 113                         | 25        |
| Φ410                   | IKUSE-KX-1620-30  | DN150      | 132                         | 30        |
| Φ460                   | IKUSE-KX-1660-40  | DN200      | 150                         | 40        |
| Φ512                   | IKUSE-KX-1980-60  | DN200      | 168                         | 60        |
| Φ562                   | IKUSE-KX-2500-100 | DN250      | 186                         | 100       |
| Φ612                   | IKUSE-KX-2980-150 | DN300      | 200                         | 150       |
| Φ612                   | IKUSE-KX-3780-200 | DN300      | 200                         | 200       |

Standard configuration: 304 stainless steel shell and 316L stainless steel tubes. Select for the actual operating conditions.