

Compact 73

Compact 73 is a high-efficiency compact brazed stainless steel heat exchanger designed to handle asymmetrical flows with exceptionally high performance.

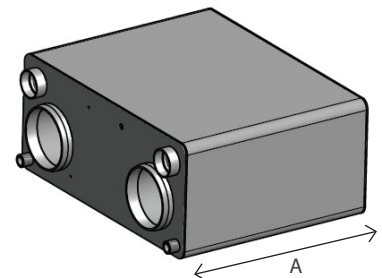
Compact 73's patented plate design enables it to handle extremely high gas temperatures without thermal fatigue with sufficient cooling liquid. This makes Compact 73 superior as a high-temperature exhaust gas heat exchanger, as well as in all types of condensation applications.

Compact 73 can handle gas pressure up to 16 bar(g) at room temperature conditions making it superior for compressor applications. The product's compact size, versatility and excellent heat transfer makes it a perfect choice for a wide range of asymmetrical heat transfer applications. Compact 73 in single configuration is suitable for max. 7000 kg/h gas.

Compact 73 is certified as pressure vessel on the gas side B.

TECHNICAL DATA

| | |
|---|--|
| Side (A) "High density": | Water / Liquid / High pressure gas |
| Side (B) "Low density": | Gas / Steam |
| Plate material: | ASTM 316L / DIN 1.4404 / SS2348 |
| Connections / Side plates: | ASTM 304 / DIN 1.4301 / SS2333 |
| Brazing material: | Copper (Cu) |
| Operating temperature: | Side A: -160°C to +190°C Side B: XX°C (Limited by max plate temperature of 190°C) |
| Operating absolute pressure at -160/25/190°C: | Side A: 0/17(15,8) bar(a); 0/247(229) psi(a) Side B: 0/17(13) bar(a); 0/247(188) psi(a) |
| Primary heat transfer surface/plate: | ≈ 19 dm ² |
| Manufacturing standard: | EN13445-3 |
| PED Side A: | In conformance with 2014/68/EU Fluid Group: 1 & 2 |

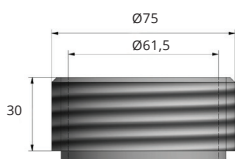


STANDARD VERSIONS FOR COMPACT 73

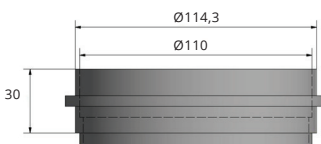
| Part no. | Description | Plates | Connection | Height (mm) | | Weight, empty ≈ kg | Volume (l) | |
|----------|--------------------|--------|------------|-------------|------------|--------------------|------------|--------|
| | | | | A | Tolerances | | Side A | Side B |
| 511601 | Compact 73-C-20-T | 20 | W110-G2.5 | 88 | ±6.0 | 28 | 6,3 | 9,5 |
| 511602 | Compact 73-C-40-T | 40 | W110-G2.5 | 168 | ±7.5 | 41 | 12,6 | 19,0 |
| 511603 | Compact 73-C-70-T | 70 | W110-G2.5 | 288 | ±9.0 | 61 | 22,0 | 33,2 |
| 511604 | Compact 73-C-100-T | 100 | W110-G2.5 | 408 | ±10.5 | 80 | 31,5 | 47,5 |
| 511605 | Compact 73-C-140-T | 140 | W110-G2.5 | 568 | ±12.0 | 106 | 44,1 | 66,5 |

STANDARD CONNECTIONS

Side A
G 2.5



Side B
W 110 (DN100)



Condensate
G 1

