

Compact 72

Compact 72 is a high-efficiency compact brazed stainless steel heat exchanger designed to handle asymmetrical flows with exceptionally high performance.

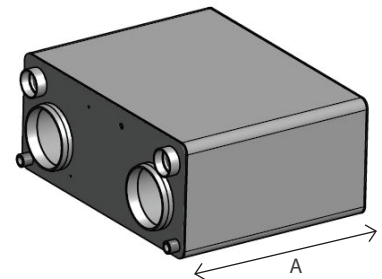
Compact 72's patented plate design enables it to handle high gas temperatures, as well as in all types of condensation applications.

Compact 72 can handle the high pressures such as in compressors and intercoolers. 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 72 in single configuration is suitable for max. 8000 kg/h gas.

Compact 72 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: Limited by max plate temperature of 190°C
Operating absolute pressure at -160/25/190°C:	Side A: 0/21/15,8 bar(a); 0/304/229 psi(a) Side B: 0/8/6,2 bar(a); 0/116/90 psi(a) For higher pressure see datasheet Compact 73
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

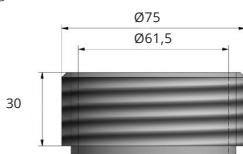


STANDARD VERSIONS FOR COMPACT 72

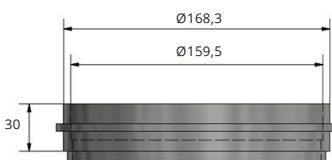
Part no.	Description	Plates	Connection	Height (mm)		Weight, empty ≈ kg	Volume (l)	
				A	Tolerances		Side A	Side B
511551	Compact 72-C-20-T	20	DN150-G2.5	90	±6,0	28	5,5	11,0
511552	Compact 72-C-40-T	40	DN150-G2.5	172	±7,5	41	11,0	22,0
511553	Compact 72-C-70-T	70	DN150-G2.5	296	±9,0	61	19,3	38,5
511554	Compact 72-C-100-T	100	DN150-G2.5	419	±10,5	80	27,5	55,0
511555	Compact 72-C-140-T	140	DN150-G2.5	583	±12,0	106	38,5	77,0

STANDARD CONNECTIONS

Side A
G 2.5



Side B
DN 150



Condensate
G 1

