

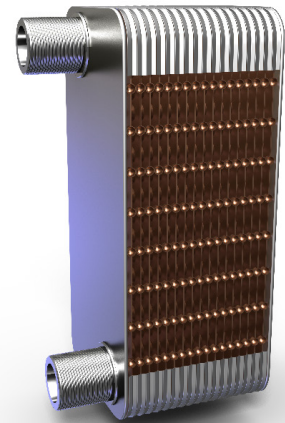
Cross 30 is a compact brazed exchanger consisting of stainless steel plates brazed together with copper or nickel. Cross 30 is designed to handle asymmetric volume flows with exceptionally high performance. The design of Cross 30 makes it extremely suitable for all condensation applications as low pressure steam.

Open sides for gas entering and leaving.

Optimal assembled in larger systems with several modules in flexible flow configurations.

## 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) or Nickel (Ni)
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, Copper (Cu): 0/17/13 bar(a); 0/247/189 psi(a) Side A, Nickel (Ni): 0/9/7 bar(a); 0/131/102 psi(a)
Prim. heat transfer surface/plate:	≈ 3,5 dm <sup>2</sup>
Manufacturing standard:	EN13445-3
PED Side A:	In conformance with 2014/68/EU Fluid Group: 1 & 2

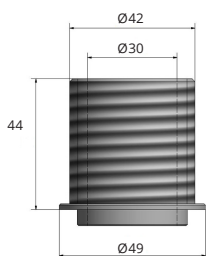


## STANDARD VERSIONS FOR CROSS 30

Brazing material	Part no.	Description	Plates	Connection	Height (mm)		Weight, empty ≈ kg	Volume (l)	
					A	Tolerances		Side A	Side B
Cu	502001	Cross 30-C-16	15	G1	56	±2,0	3,4	0,45	0,90
	502002	Cross 30-C-26	25	G1	88	±2,5	4,5	0,75	1,50
	502003	Cross 30-C-40	39	G1	134	±3,0	6,1	1,17	2,34
	502004	Cross 30-C-60	59	G1	199	±3,5	8,2	1,77	3,54
	502005	Cross 30-C-80	79	G1.25	264	±4,0	10,5	2,37	4,74
	502006	Cross 30-C-100	99	G1.25	329	±4,5	12,7	2,97	5,94
	502007	Cross 30-C-120	119	G1.25	395	±5,5	14,9	3,57	7,14
	502008	Cross 30-C-140	139	G1.25	459	±5,5	17,1	4,17	8,34
Ni	501001	Cross 30-N-20	19	G1	68	±2,5	3,9	0,57	1,14
	501002	Cross 30-N-40	39	G1	134	±3,0	6,1	1,17	2,34
	501003	Cross 30-N-60	59	G1	199	±3,5	8,2	1,77	3,54
	501004	Cross 30-N-80	79	G1.25	264	±4,0	10,5	2,37	4,74
	501005	Cross 30-N-100	99	G1.25	329	±4,5	12,7	2,97	5,94
	501006	Cross 30-N-140	139	G1.25	459	±5,5	17,1	4,17	8,34

## STANDARD CONNECTIONS

G 1.25



G 1

