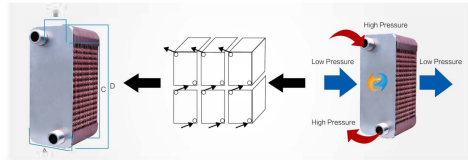


**Aircross**

Aircross is a cross flow plate heat exchanger vacuum with pure copper or nickel based material. The top and bottom plates including side A connections are brazed to the plate package. This model can be asymmetrical for 1) applications with a smaller flow rate at high pressure on the one side (Side A), and a larger flow rate at with lower pressure on the other (Side B); different sizes for the connections In and Out, different channel lengths, different channel areas and volumes; 2) applications with a constant and defined gas flow on one side and medium with higher density on the other side. Normally Alfa Air Cross is used with a liquid on side A and gas on side B



Model	Thickness (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Weight (mm)	Stagnant fluid volume (L)	Exchanger area (M2)	Design pressure (Mpa)	Test pressure (Mpa)
ZY35	11+3.1N	123	52	281	227	1.64+0.124N	0.032(N-2)	0.030(N-2)	3	4.5

**GASKETED PLATE HEAT EXCHANGER**

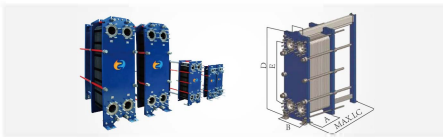
Product Material  
 Frame plate: Carbon steel/Stainless  
 Nozzles: Carbon steel/Stainless  
 Metallized: Stainless steel/Titanium  
 Gasket:NBR ( Nitrile ), EPDM, F26, FTP etc.  
 Plate: Stainless steel 316L/304/Titanium/ti-Pd SMO254/N/HASTELLOY ( C276, C22)  
 Gasket fastening solutions: Clip-on gasket/Tape-on gasket



Plate material	Application field
Stainless steel (SUS304,316L etc.)	pure water, river water, edible salt water, mineral oil
Ti6Al4V	brine, sea water, salt water,
SMO254	dilute sulphuric acid, salt water solution, inorganic aqueous solution
Ti	High temperature, High concentration of caustic soda
HASTELLOY (C276,C22)	concentrated sulfuric acid, hydrochloric acid, phosphoric acid

Main body gasket	working temperature (°C)	Application fluid
NBR	15→125	water, sea water, mineral oil, brine
EPDM	-25→150	Hot water, vapour, acid, base
F26	-25→230	acid, base, fuel
PTFE	5→180	Concentrated acid, base, high temperature oil, vapour

Plate type	Application field
Low runner (B)	Temperature drop of heat-transfer medium too large, temperature difference of logarithm too small
High runner (H)	Request of viscosity, fibroid, pressure drop too small



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	MAX.LC (mm)	Connection (mm)	Exchange area (m2)	MAX NO.Plates	Max.volume flow (m3/h)	Design Pressure
B30B	N(2.5+X)	180	60	480	357	500	32	0.032	95	18	1.6
S60H	N(4+X)	400	203	704	380	1200	65	0.086	147	50	1.6
B60B/B60H	N(2.0+X)/N(3.0+X)	320	140	920	640	1200	50	0.15	250/203	36	1.6
N90B/N90H	N(2.0+X)/N(3.0+X)	320	140	920	640	1200	50	0.2	250/203	36	1.6
B100B/B100H	N(2.55+X)/N(3.95+X)	470	225	1600	716	1600	100	0.25	278/180	140	1.0/1.6/2.5
K100B/K100H	N(2.55+X)/N(3.95+X)	470	225	1600	716	1600	100	0.3	278/180	140	1.0/1.6/2.5
S300H	N(4+X)	800	363	1405	498	3000	200	0.3	400	600	1.6
L100B	N(2+X)	440	225	1880	1036	3000	100	0.5	400	140	1.0
K150H	N(3.95+X)	810	208	1616	1095	3000	150	0.5	600	360	1.0/1.6/2.5
B150B/B150H	N(2.5+X)/N(3.95+X)	810	208	1816	1094	3000	150	0.65	600	360	1.0/1.6/2.5
B200H	N(4+X)	1000	363	2280	1478	3000	200	0.85	400	600	1.0/1.6
B250H	N(2.5+X)	930	438	2890	1698	3000	250	1.5	500	750	1.0/1.6/2.5
B300H	N(3+X)	1150	590	3380	1942	4800	350	1.85	700	997	1.0/1.6

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**Alfa**  
Plate Heat Exchanger

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