

# ARMSTRONG



## Brazed Plate Heat Exchangers

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# Adding Value to Hydronic Systems

## Application Friendly

Armstrong ABX brazed plate heat exchangers are designed for use in a wide range of applications, including:

- Radiant floors
- Snow melting
- Domestic hot water heating
- Swimming Pool heating
- Heat pumps
- Smaller liquid to liquid applications
- Heat recovery
- District heating
- Steam condensing
- Refrigeration
- As boiler accessories

ABX heat exchangers are easy to size and install. Most models are available in stock

## Space Savings

Due to their high heat transfer capabilities, Armstrong ABX exchangers are substantially smaller in size than other heat transfer devices, yet provide the same or better performance. Plate heat exchangers save up to 75% of the floor area, and up to 85% of the floor length required for Shell & Tube heat exchangers. The smallest ABX units measure only 8" x 2.88" (203.2 mm x 73.2 mm). Models with 10 plates are only 1.25" (100.3 mm) thick.

## Installation Advantage

Armstrong ABX Brazed Plate Heat Exchangers are very compact for installation in tight spaces. All connections are on the same plane to make installation easy. ABX units are durable and light, so they are suited for all kinds of applications requiring heat exchangers.

## Energy Efficiency

Armstrong ABX Brazed Plate Heat Exchangers deliver the highest efficiency and heat transfer rates by flowing the two media in opposite directions (counter-current) in a highly turbulent fashion.

## Lowest Solution Cost

The ABX offers multiple plate sizes for the optimum heat transfer for any given application. Brazing seals the plates together, so no gaskets are required. The brazed design and anti-scaling flow design contribute to reduced maintenance costs and longer equipment life.

## Occupant Comfort

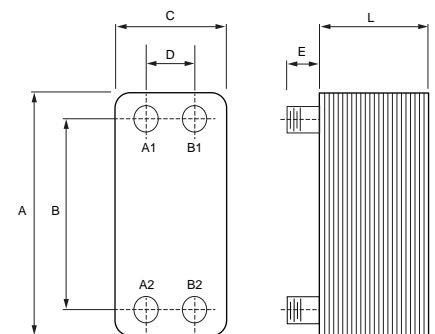
The ABX reacts faster to changes in system demand than other similar heat exchangers. The turbulent flow design prevents scaling so the plates continue to react quickly as the equipment ages.

## Technical Data

Max. Working Pressure:	Copper Braze: 450 psi Nickel Braze: 150 psi
Fluid Temperature:	Maximum: 430 °F Minimum: -320 °F
Double Wall Construction:	Optional

## Materials of Construction

Plates: 316 SS	Optional: NiMo SS*
Braze: Copper	Optional: Nickel



MODEL	MAX. FLOW RATE-GPM (L/s)	CONN SIZE	HEIGHT in (mm)	WIDTH in (mm)	MAX LENGTH** in (mm)	MAX. NO OF PLATES	WEIGHT** lbs (kgs)
ABX030	30 (2)	0.75	7.64 (194)	3.15 (80)	0.39+0.09N (10+2.25N)	60	2.0+0.11N (0.8+0.05N)
ABX050	100 (6)	1.00	12.00 (305)	4.20 (106)	0.49+0.09N (12.5+2.4N)	100	4.0+0.3N (1.5+0.14N)
ABX095	120 (6)	1.00	20.40 (518)	4.20 (106)	0.49+0.09N (12.5+2.4N)	120	7.0+0.5N (3.1+0.22N)
ABX205	200 (12)	2.00	20.75 (527)	9.70 (246)	0.51+0.09N (13+2.4N)	160	16.0+1.1N (7.2+0.52N)
ABX400	600 (35)	3.00	29.50 (749)	12.60 (319)	0.49+0.09N (12.5+7.6N)	160	33.0+2N (15+0.9N)

\*Stainless steel with high Nickel and Molybdenum content for corrosion resistance

\*\*N = Number of plates

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