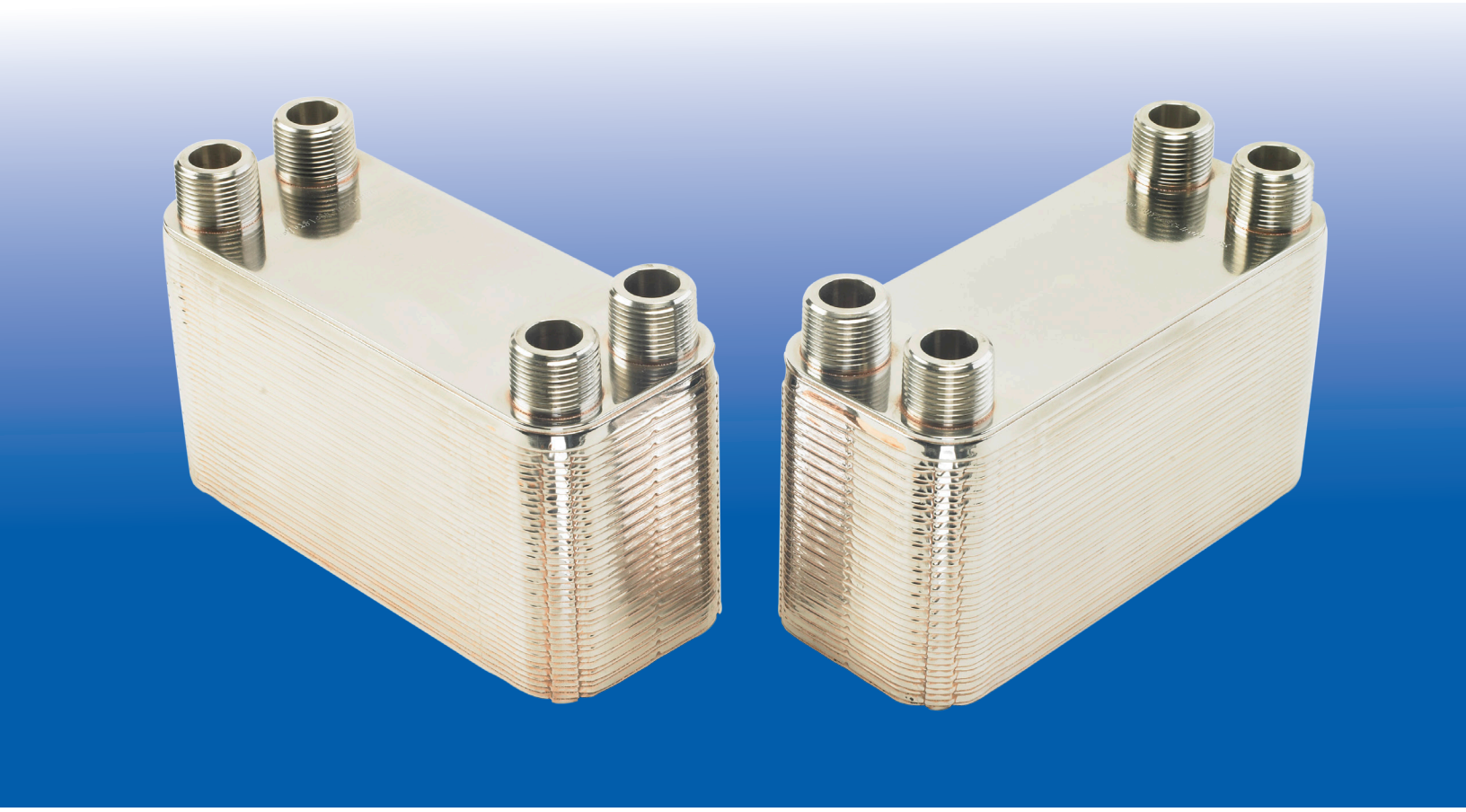
ABX

ARMSTRONG



Brazed Plate Heat Exchangers

FILE NO:	113.11
DATE:	Oct. 28, 2011
SUPERSEDES:	113.11
DATE:	Oct. 15, 2002

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

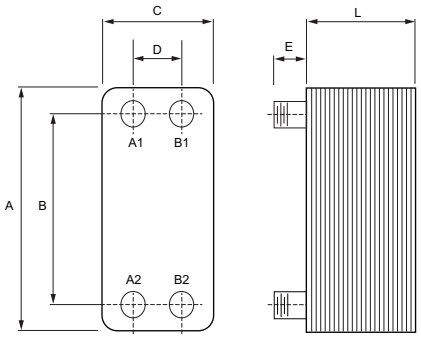
The ABX reacts faster to changes in system demand than other similar heat exchangers. The turbulent flow design prevents scaling so the plates continue to react quickly as the equipment ages.

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)
ABX405	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)

N = Number of plates

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

S. A. ARMSTRONG LIMITED
23 Bertrand Avenue
Toronto, Ontario
Canada, M1L 2P3
T 416 755 2291
F 416 759 9101

ARMSTRONG PUMPS INC.
93 East Avenue
North Tonawanda, New York
U.S.A., 14120-6594
T 716 693 8813
F 716 693 8970

ARMSTRONG INTEGRATED LIMITED
Wenlock Way
Manchester
United Kingdom, M12 5JL
T +44 (0) 8444 145 145
F +44 (0) 8444 145 146