



FILE NO: 113.55
 DATE: Oct. 18, 2011
 SUPERSEDES: New
 DATE: New

Brazed Plate Heat Exchanger

Model ABX050

SUBMITTAL

JOB: _____	REPRESENTATIVE: _____
ENGINEER: _____	ORDER NO: _____ DATE: _____
CONTRACTOR: _____	SUBMITTED BY: _____ DATE: _____
	APPROVED BY: _____ DATE: _____

QUANTITY	TAG No.	MODEL No.	COMMENTS

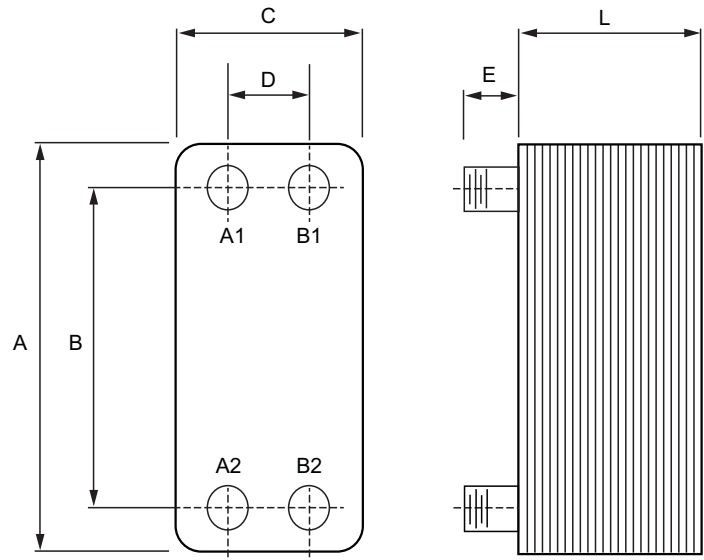
ABX - BRAZED PLATE HEAT EXCHANGERS

Armstrong's ABX brazed plate heat exchangers are designed to facilitate heat transfer between two media of different temperatures. ABX produces high heat transfer rates that allow for a compact, corrosion resistant and robust design.

TYPICAL SPECIFICATION

Furnish and install on the plans and described herein, an Armstrong ABX050-_____ brazed plate heat exchanger. Each heat exchanger must be designed to have the capacity and pressure/temperature rating as detailed in the schedule. The heat exchanger must utilize 316L stainless steel plates and copper braze to separate the two fluids while transferring heat and preventing corrosion.

Each heat exchanger shall be Armstrong ABX050-_____ or approved equal.



CONSTRUCTION						
Connections			Description	Dimensions - inch (mm)		
	Size - inch	Location	Rating	Number of plates (N):	A	12.00 (305)
Fluid 1 Inlet	1.00	A2	NPT	Design Pressure <input type="checkbox"/> 435 psi (30 bar) <input type="checkbox"/> 150 psi (10 bar) ¹	B	9.80 (250) ± 0.06 (1.5)
Fluid 1 Outlet	1.00	A1	NPT		C	4.20 (106)
Fluid 2 Inlet	1.00	B1	NPT	Max Temperature	D	2.00 (50) ± 0.06 (1.5)
Fluid 2 Outlet	1.00	B2	NPT	Plate Material <input type="checkbox"/> 316 SS <input type="checkbox"/> NiMo SS ²	E	1.10 (28)
Notes					L	0.49 + 0.09N ± 0.50 (12.5 + 2.4N) (± 12)
¹ Design pressure with N: Braze ² NiMo SS is a high alloy stainless steel for corrosion resistance ³ All Dimensions ± 1/8 (3) unless otherwise shown.				Braze Material <input type="checkbox"/> Copper <input type="checkbox"/> Nickel ³	Weight	4.0 + (0.3 x N) lbs 1.5 + (0.135 x N) kgs
				Connection Material <input type="checkbox"/> 304 SS <input type="checkbox"/> 316 SS	Volume	(0.01 x N) gals (0.055 x N) liters

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