

Brazed Plate Heat Exchangers

450 psig DWP

The compact size, low refrigerant charge and superior heat transfer characteristics of Doucette's brazed plate heat exchangers make them ideal for evaporator, condenser and subcooler applications. Available for virtually any duty, the brazed plate heat exchangers are specifiable with copper or nickel brazing materials. Evaporator models above a certain number of plates include internal refrigerant distribution features, assuring proper distribution of refrigerant gas for maximum efficiency and proper superheat. Standard units have 316 stainless steel plates with copper brazing and sweat connections, U.L. Listed for 450 psig DWP.



Evaporators

dii Model Number	List Price	Nominal* TR	FlatPlate Equivalent Model	Width (inches)	Height (inches)	Depth (inches)	Refrig. IDS (In-Out)	Water IDS	Shipping Weight (lbs.)
BP 1/2	\$388.00	1/2	CH 1/2A	3.5	12.8	2	5/8 - 5/8	7/8	7
BP 3/4	\$425.00	3/4	CH 3/4A	3.5	12.8	2.2	5/8 - 5/8	7/8	8
BP 1	\$491.00	1	CH 1A	3.5	12.8	2.6	5/8 - 5/8	7/8	8
BP 1-1/2	\$581.00	1-1/2	CH 1-1/2A	3.5	12.8	3.2	5/8 - 5/8	7/8	9
BP 1-1/2	\$581.00	2	CH 2A	3.5	12.8	3.2	5/8 - 5/8	7/8	9
BP 2	\$631.00	2-1/2	CH 2-1/2A	3.5	12.8	3.6	5/8 - 5/8	7/8	10
BP 3	\$763.00	3	CH 3A	4.9	13.1	3.2	7/8 - 7/8	1-1/8	12
BP 3-1/2	\$849.00	3-1/2	CH 3-1/2A	4.9	13.1	3.6	7/8 - 7/8	1-1/8	13
BP 5	\$921.00	4	CH 4A	4.9	20.8	3.2	7/8 - 7/8	1-3/8	18
BP 6	\$1,024.00	5	CH 5A	4.9	20.8	3.6	1-3/8 - 1-3/8	1-3/8	20
BP 7-1/2	\$1,169.00	6	CH 6	4.9	20.8	4.1	1-3/8 - 1-3/8	1-3/8	23
BP 8	\$1,267.00	7-1/2	CH 7-1/2	4.9	20.8	4.5	1-3/8 - 1-3/8	1-3/8	25
BP 12	\$1,558.00	10	CH 10B	4.9	20.8	5.4	1-3/8 - 1-3/8	1-3/8	31
BP 14E	\$2,229.00	12-1/2	CH 12B	4.9	20.8	6.9	7/8 - 1-3/8	1-3/8	40
BP 15E	\$2,538.00	15	CH 15B	4.9	20.8	7.9	7/8 - 1-3/8	1-3/8	45
BP 25E	\$3,465.00	20	CH 20	4.9	20.8	10.7	7/8 - 1-3/8	1-3/8	61
BP 30E	\$3,699.00	25	CH 25	10.6	20.8	6	1-3/8 - 2-1/8	2-1/8	82
BP 35E	\$4,219.00	30	CH 30	10.6	20.8	6.9	1-3/8 - 2-1/8	2-1/8	95

* Performance: Cool 2.4 GPM/TR water from 54°F to 44°F with R-22 at 35°F evaporating temperature with 6°F superheat. Maximum water pressure drop is 5 psi.

Construction: 316SS plates and copper brazing.
Design: 450 psig DWP and 385F maximum working temperature.

Condensers

dii Model Number	List Price	Nominal* HP	FlatPlate Equivalent Model	Width (inches)	Height (inches)	Depth (inches)	Refrig. IDS	Water IDS	Shipping Weight (lbs.)
BP 1/2	\$388.00	1/2	----	3.5	12.8	2	5/8	7/8	7
BP 3/4	\$425.00	3/4	----	3.5	12.8	2.2	5/8	7/8	8
BP 1	\$491.00	1	C 1A	3.5	12.8	2.6	5/8	7/8	8
BP 1-1/2	\$581.00	1-1/2	C 1-1/2A	3.5	12.8	3.2	5/8	7/8	9
BP 2	\$631.00	2	C 2A	3.5	12.8	3.6	5/8	7/8	10
BP 2-1/2	\$740.00	2-1/2	C 2-1/2A	3.5	12.8	4.1	5/8	7/8	11
BP 3-1/2	\$849.00	3	C 3A	4.9	13.1	3.6	7/8	1-1/8	13
BP 3-1/2	\$849.00	3-1/2	C 3-1/2A	4.9	13.1	3.6	7/8	1-1/8	13
BP 5	\$921.00	4	C 4	4.9	20.8	3.2	7/8	1-3/8	18
BP 5	\$921.00	5	C 5	4.9	20.8	3.2	7/8	1-3/8	18
BP 6	\$1,024.00	6	C 6	4.9	20.8	3.6	1-3/8	1-3/8	20
BP 7-1/2	\$1,169.00	7-1/2	C 7-1/2	4.9	20.8	4.1	1-3/8	1-3/8	23
BP 10	\$1,436.00	10	C 10	4.9	20.8	5.1	1-3/8	1-3/8	29
BP 12-1/2	\$1,734.00	12-1/2	C 12B	4.9	20.8	6	1-3/8	1-3/8	34
BP 15 C	\$2,285.00	15	C 15B	4.9	20.8	7.9	1-3/8	1-3/8	45
BP 20	\$2,559.00	20	C 20	4.9	20.8	8.8	1-3/8	1-3/8	51
BP 25 C	\$3,069.00	25	C 25	4.9	20.8	10.7	1-3/8	1-3/8	61
BP 30	\$3,699.00	30	C 30	10.6	20.8	6	2-1/8	2-1/8	82

* Performance: Condense R-22 at 105°F using 3 GPM/HP of water at 85°F. Maximum water pressure drop is 10 psi.

Construction: 316SS plates and copper brazing.
Design: 450 psig DWP and 385F maximum working temperature.