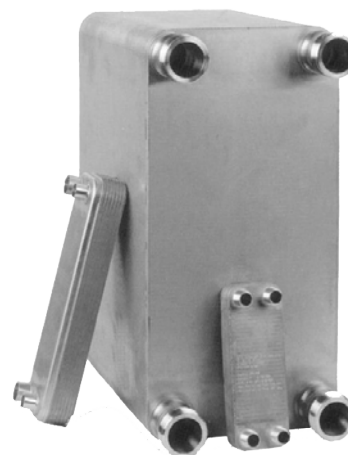


## Item # BPH 30, Brazen Plate Heat Exchangers (2 to 50 HP)

**Compact High-Efficiency Heat Transfer Systems**

**Doucette Continues to Transform the Heat Exchanger Industry**

The compact size, low refrigerant charge, and superior heat transfer characteristics of Doucette's Brazen Plate Heat Exchangers make them ideal for evaporator, condenser and sub-cooler applications. Available for virtually any duty, the Brazen Plate Heat Exchangers are available with copper or nickel brazing materials. Standard units have 316 Stainless Steel plates with copper brazing and sweat connections. U.L. listed for 650 psig DWP.



**Call dii**

### Specifications

HP	30
Connections	Refrig. Water
Width	7.5 "
Height	24.5 "
Depth	10.7 "
Application	Fresh Water
Refrig. In	2 1/8 "
Refrig. Out	1 3/8 "
Water Conn.	2 "
Weight	89 lbs
DWP	650 psig
Installation Recommendation	To prevent premature clogging from open condenser water loops install a 16-20 mesh strainer in the inlet water line to the heat exchanger.



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York, Pennsylvania 17406-8474



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Phone: 717-845-8746  
Toll-free: 800-445-7511  
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Residential/Light Commercial: [AdamM@doucetteindustries.com](mailto:AdamM@doucetteindustries.com)

## **Brazed Plate - The New Standard in Heat Transfer**

Brazed plate heat exchangers are carving a big chunk out of the heat transfer industry with their compact size and high efficiency design. Brazed plate units are up to six times smaller than alternative methods of heat exchange with the same capacity. The key lies in their unique construction. Up to 150 corrugated stainless steel plates are brazed together with every second plate turned 180 degrees. This design creates two highly turbulent fluid channels that flow in opposite directions over a massive surface area. The result, a significantly higher heat transfer coefficient with less required surface area and outstanding performance characteristics.

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## **Compact, Durable and Low-Maintenance**

The compact size of Doucette's brazed plate heat exchangers means lower shipping and installation costs, and their lightweight design makes maneuvering much easier. Despite these features, no compromises are made on strength, as the brazing process welds the plates together at thousands of contact points in each unit. The benefits are easily recognized, exceptional durability along with higher operating pressures and temperatures. The 316SS construction of brazed plate heat exchangers also provides superior corrosion resistance, and fouling is virtually eliminated by the self-cleaning effect generated through high induced turbulence.

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## **The Highest Quality for a Lower Investment**

Doucette's brazed plate heat exchangers are assembled from a very small number of machine formed parts, resulting in significantly less manufacturing time and reduced costs to the end user. Machine formed parts also mean product quality and performance parameters are easily met. And every Doucette brazed plate heat exchanger must pass careful checks on quality, as well as compliance with specifications and dimension tolerances.



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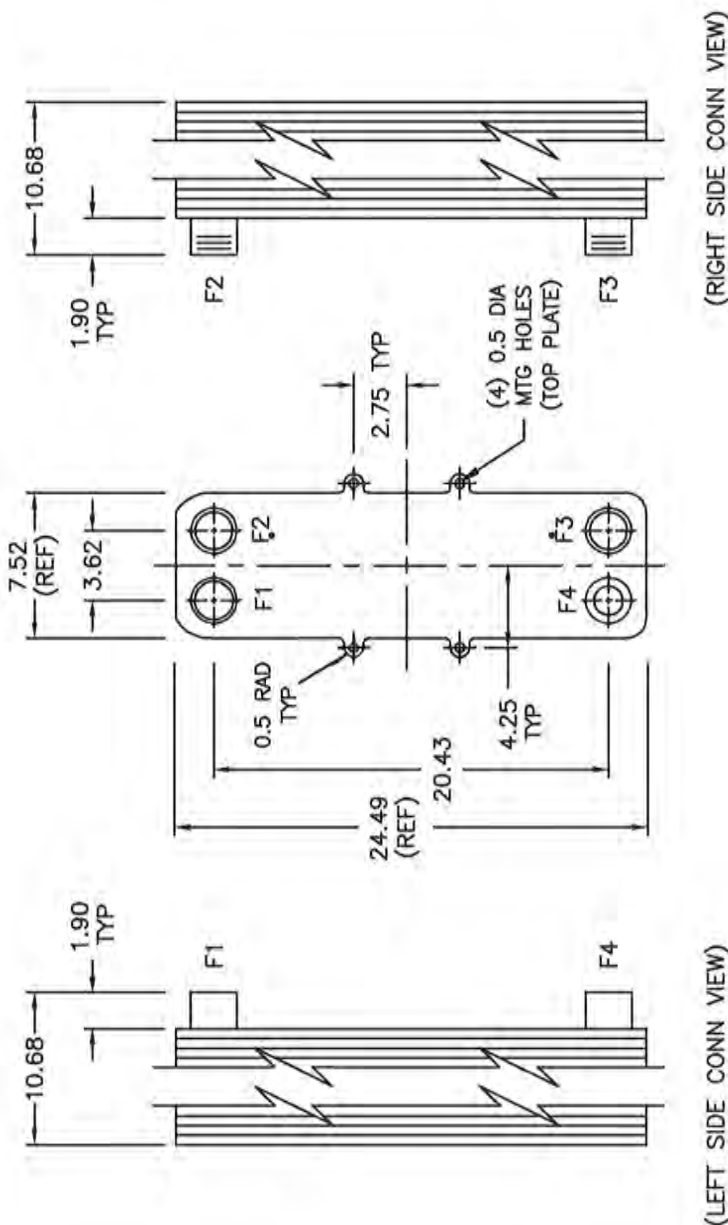
ORDER NO (REF):

REV#

REVISION NOTES

MADE BY

DATE



NOTE:  
1. DIMENSIONS SHOWN IN INCHES (in).

PORT / LOCATION	CONNECTION TYPE	UNIT RATINGS		UNIT CONSTRUCTION
		DSGN PRES.	650 PSI	
F1 SIDE-1	2-1/8" SWEAT, 316L SS	TEST PRES.	780 PSI	PLATE MTL: 316L SS
F4 SIDE-1	1-3/8" SWEAT, 316L SS	MAX TEMP.	450 °F	BRAZE MTL: COPPER
F2 SIDE-2	2" MPT, 316L SS	MIN TEMP.	-310 °F	
F3 SIDE-2	2" MPT, 316L SS			
				EST SHIP WT: 89 LBS

MADE  
MH 05/06/16

CHECK  
MH 05/06/16

TITLE  
Model BPH 30

DRAWING NUMBER  
5-695-22-072-006

REV.



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