



**doucette**  
industries, inc

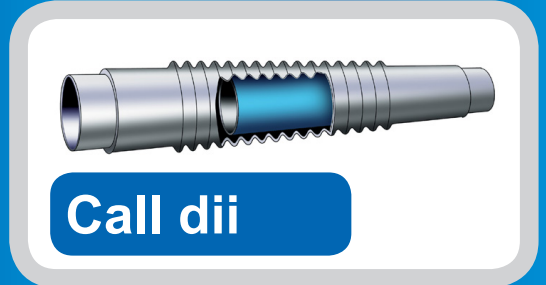
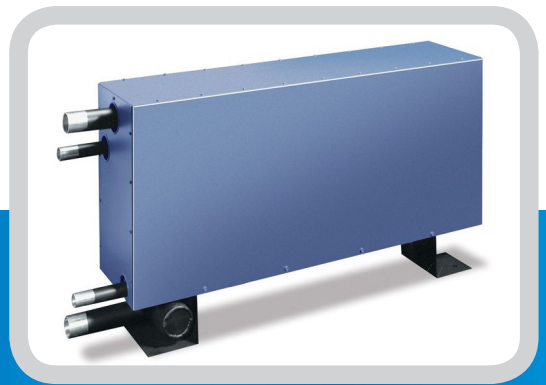
## Item # AC 80(C), AC Series Mechanically Cleanable Desuperheaters (5 to 200 tons)

Heats Hot Water Utilizing Waste Heat from Refrigeration,  
Air Conditioners and Heat Pump Systems

The Doucette AC Series Substantially Reduces Your Hot  
Water Heating Costs

- Heats potable water up to 140 °F using waste heat
- Typical Payback Period of Two Years or Less
- Reduces A/C operating costs 5% to 10%
- Mechanical Cleanable Counterflow Design
- Compact and Ready to Install
- Works with All Major Manufacturers' Systems

The Doucette AC Series™ heat recovery unit delivers substantial energy savings by heating potable water by recovering waste heat from refrigeration, air conditioning and heat pump systems. The AC Series™ can effectively heat water up to 140°F, and is ideal for systems ranging from 5 - 200 HP using reciprocating, scroll and screw compressors. The unit arrives as a standard factory package that is ready to install, and can be applied to both air- and water-cooled systems using.



**Call dii**

### Specifications

TR	80 tons	
Typical Applications	<ul style="list-style-type: none"> <li>• Domestic Hot Water</li> <li>• Heating</li> <li>• Process Water Heating</li> <li>• Space Heating</li> <li>• Pool Heating</li> <li>• Hot Deck Reheat</li> <li>• Sub-Soil Heating</li> </ul>	<ul style="list-style-type: none"> <li>• Restaurants</li> <li>• Hotels/Motels</li> <li>• Hospitals</li> <li>• Schools</li> <li>• Food Processing</li> <li>• Ice Rinks</li> <li>• Dormitories</li> </ul>



20 Leigh Drive,  
York, Pennsylvania 17406-8474



Website: [www.doucetteindustries.com](http://www.doucetteindustries.com)



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



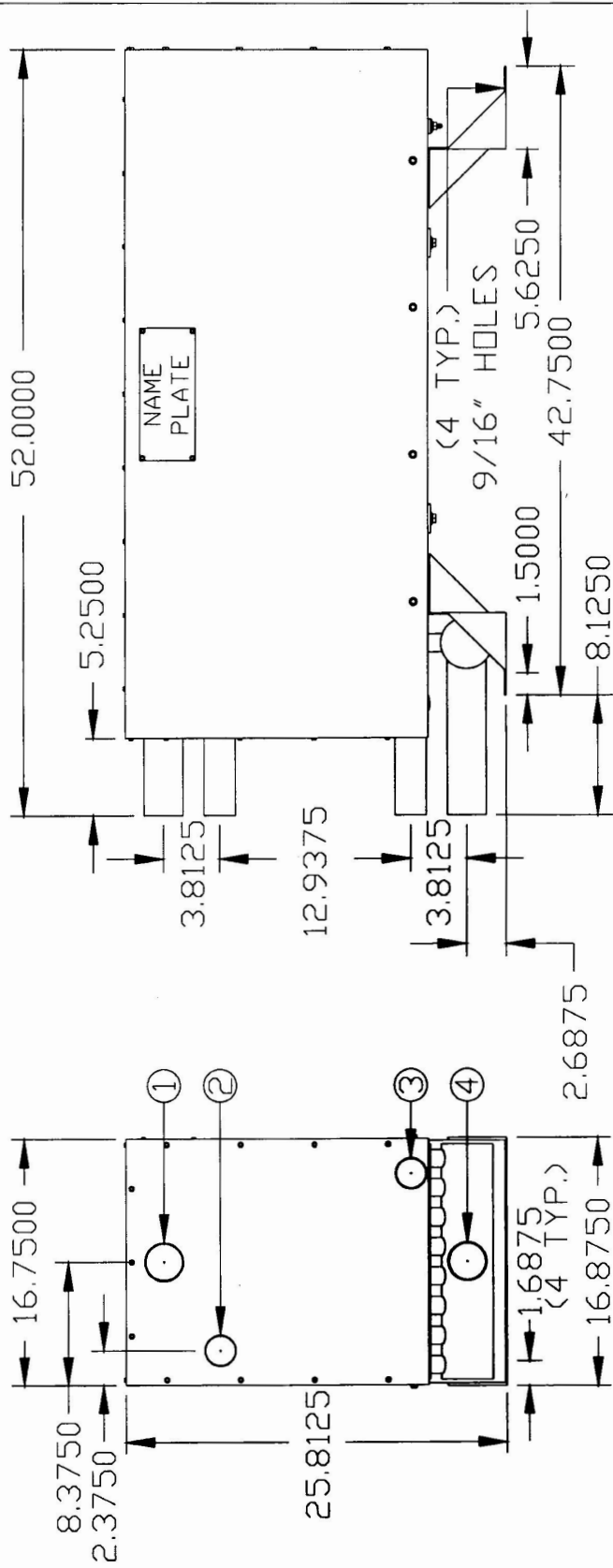
# Circuits	1
Cleanability	Mechanical
Refrig. Conn.	2 5/8" OD
Water Conn.	2 1/8" OD
Length	52 "
Width	16-3/4 "
Height	25-13/16 "
Weight	600 lbs

Mechanical Specifications	
Optional Pump	Grundfos UP43-75BF, Circulating Pump (\$1,630.00)
Heat Exchanger	Mechanically cleanable, vented double wall, U.L. & USDA Listed, 450 psig side DWP shell (optional 600 psig), 300 psig tube side DWP with removable cleanout fittings
Cabinet	20 Gauge, 0.040" painted aluminum with removable back panel and 1" fiberboard insulation.





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DESIGN PRESSURE:  
SHELLSIDE 450PSIG  
TUBESIDE 300PSIG

TOLERANCES	DOUCETTE INDUSTRIES, INC.	
DECIMAL	SCALE	DRAWN BY: MLB
± .125	.09375	APP. BY: RJR
FRACTIONAL	TITLE	
±	AC 80 (C)	
ANGULAR	DATE	DRAWING NUMBER
±	5/17/99	96022
GAUGE	20	ALL DIMENSIONS INCHES, UNLESS SPECIFIED

CONNECTIONS:  
1.) REFRIGERANT SUPPLY 2-5/8" OD COPPER SWEAT  
2.) WATER RETURN 2-1/8" OD COPPER SWEAT  
3.) WATER SUPPLY 2-1/8" OD COPPER SWEAT  
4.) REFRIGERANT RETURN 2-5/8" OD COPPER SWEAT

46.75 X 16.75 X 20.5



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