

Item # DC 80D, DC Series Chemically Cleanable Desuperheaters (5 to 100 tons)



Call dii

Heat recovery unit for domestic hot water from air conditioning and refrigeration systems up to 100 tons

DC Series Chemically Cleanable Commercial Desuperheaters recycle rejected heat from your air conditioning or refrigeration system and use it to heat water or other. At the same time, desuperheating lowers refrigerant temperature and pressure, reducing energy input to the compressor. You save by reducing or eliminating the energy required for water heating while increasing the efficiency of the air conditioning/refrigeration system.

- 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%
- Chemically Cleanable Counterflow Design
- Compact and Ready to Install
- Works with All Major Manufacturers' Systems

Specifications

TR	80 tons	
Application	• Domestic Hot Water Heating • Process Water Heating • Space Heating • Pool Heating • Hot Deck Reheat • Sub-Soil Heating • Restaurants • Hotels/Motels • Hospitals • Schools • Food Processing • Ice Rinks • Dormitories	
# Circuits	2	
Cleanability	Chemical	
Refrig. Conn.	2 x 2-1/8 " OD	



20 Leigh Drive,
York, Pennsylvania 17406-8474



Website: www.doucetteindustries.com



Phone: 717-845-8746
Toll-free: 800-445-7511
Fax: 717-845-2864



Commercial/Industrial: AdamM@doucetteindustries.com
Residential/Light Commercial: AdamM@doucetteindustries.com



Water Conn.	1-5/8" OD
Length	51-1/8 "
Width	18-3/4 "
Height	23-3/16 "
Weight	540 lbs

Mechanical Specifications

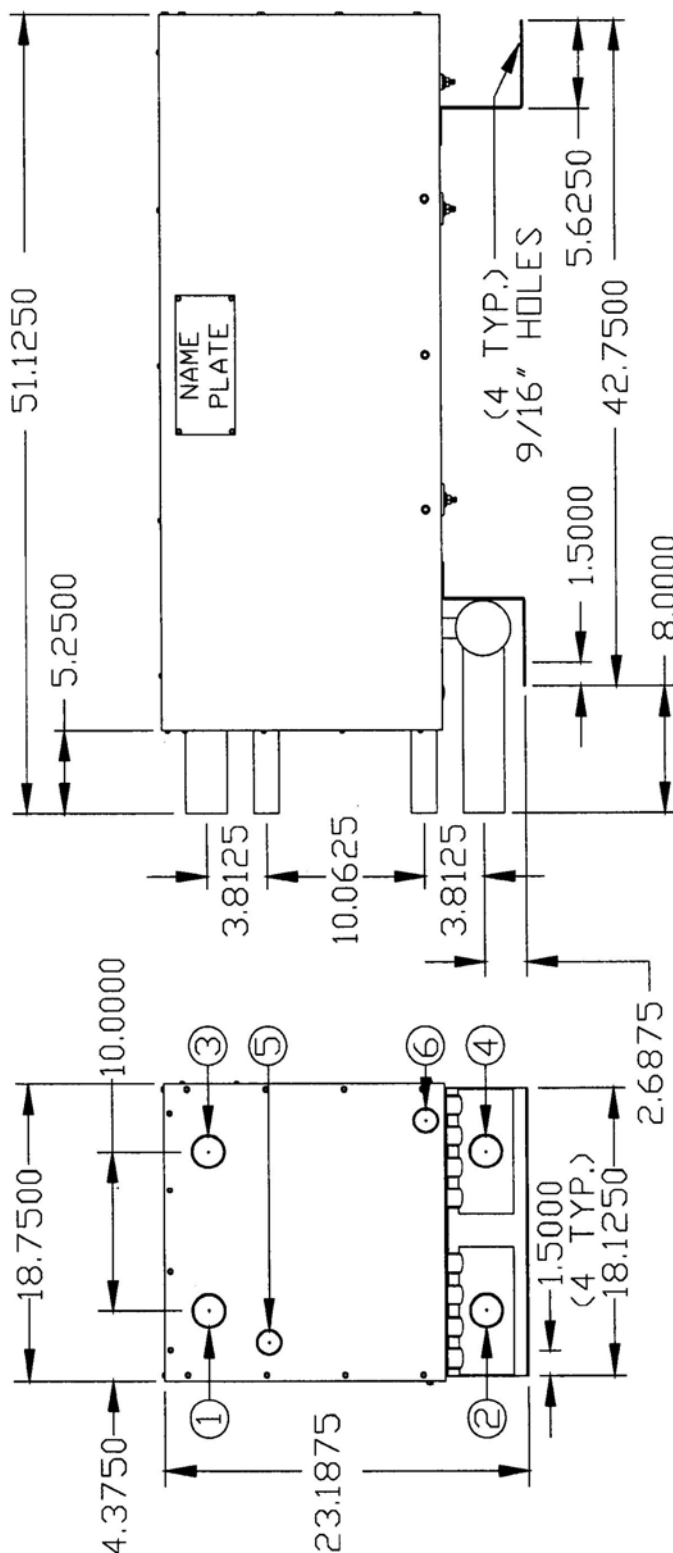
Optional Pump	Grundfos UP43-75BF, Circulating Pump (\$1,585.00)
Heat Exchanger	Chemically cleanable, vented double wall, U.L. listed, 450 psig shell side DWP (optional 600 psig), 300 psig tube side DWP
Cabinet	0.040" Aluminum Alloy, insulated, weather-resistant cabinet, with removable service panel. Bottom mounting rails provided as standard.





doucette
industries, inc

Network User, Doucette Industries 1/7/2016 9:40 AM 96334.dwg



DESIGN PRESSURE:

SHELLSIDE 450PSIG
TUBESIDE 300PSIG

TOLERANCES	DOUCETTE INDUSTRIES, INC.
DECIMAL	SCALE
± .125	.09375
FRACTIONAL	DRAWN BY: RLK
±	APP. BY: RJR
	TITLE
	DC 80D (C)
GAUGE 20	DATE
	1/7/16
	DRAWING NUMBER
	96334
	ALL DIMENSIONS INCHES, UNLESS SPECIFIED

CONNECTIONS:

1.) REFRIGERANT SUP #1	2-1/8" OD	COPPER SWEAT
2.) REFRIGERANT RET #1	2-1/8" OD	COPPER SWEAT
3.) REFRIGERANT SUP #2	2-1/8" OD	COPPER SWEAT
4.) REFRIGERANT RET #2	2-1/8" OD	COPPER SWEAT
5.) WATER RETURN	1-5/8" OD	COPPER SWEAT
6.) WATER SUPPLY	1-5/8" OD	COPPER SWEAT

45.875 X 18.75 X 17.875;



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