

Item # DC 40D, 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	40 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 1-3/8 " 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.	1-1/8" OD
Length	50-1/8 "
Width	10-3/4 "
Height	23-3/16 "
Weight	380 lbs

Mechanical Specifications

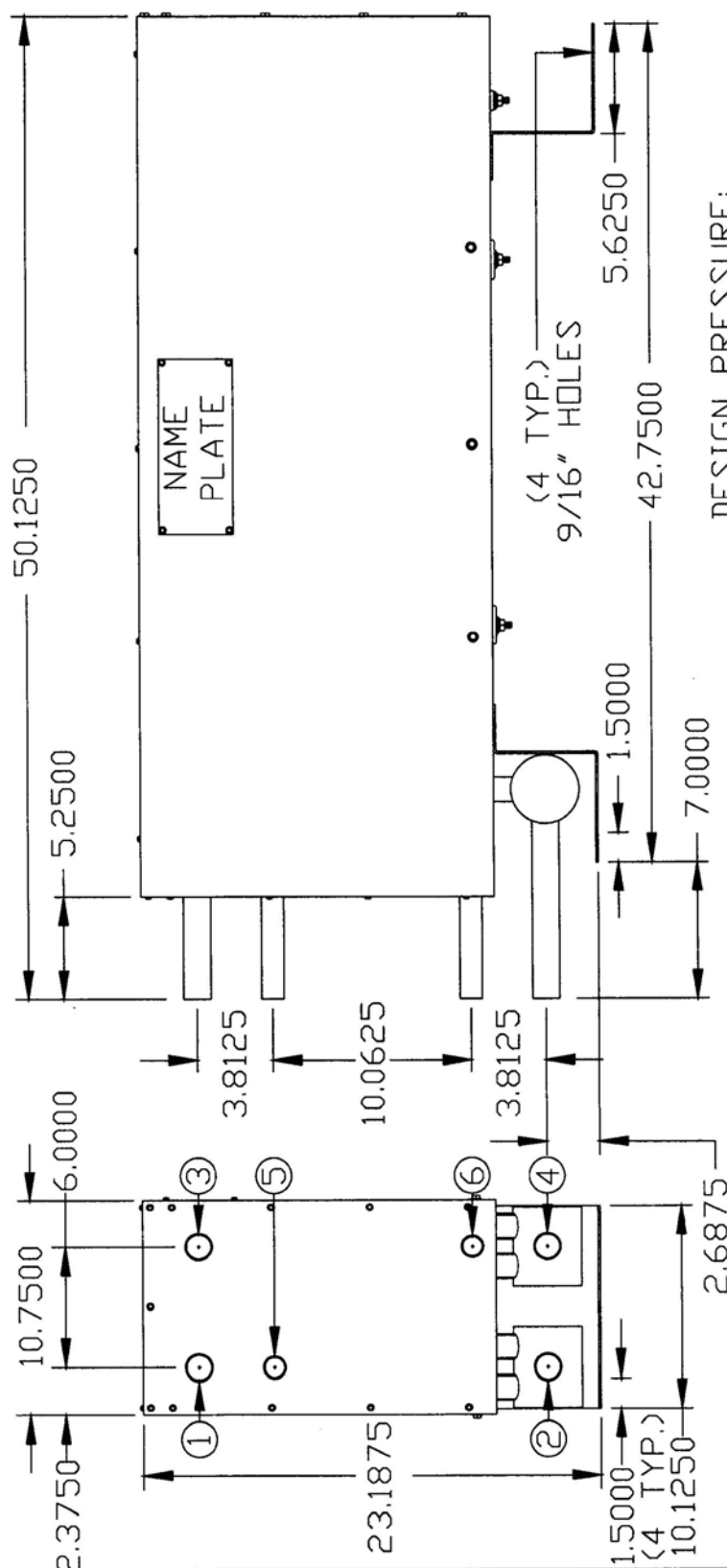
Optional Pump	Grundfos UPS15-55 SFC, Circulating Pump (\$1075.00)
Heat Exchanger	Chemically cleanable, vented double wall, U.L. listed, 450 psig shell side DWP (optional 600 psig), 300 psig tube side DWP
Cabinet	0.040" Aluminum Alloy, insulated, weather-resistant cabinet, with removable service panel. Bottom mounting rails provided as standard.





doucette
industries, inc

Network User, Doucette Industries 12/22/2015 8:55 AM 96330.dwg



DESIGN PRESSURE:
SHELL SIDE 450PSIG
TUBE SIDE 300PSIG

TOLERANCES	DOUCETTE INDUSTRIES, INC.
DECIMAL + .125	SCALE DRAWN BY: RLK APP. BY: RJR
FRACTIONAL +	TITLE DC 40D (C)
GAUGE 20	DATE 12/22/15 DRAWING NUMBER 96330
	ALL DIMENSIONS INCHES, UNLESS SPECIFIED

CONNECTIONS:

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

44.875 X 10.75 X 17.875;



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