MUELLER ACCU-THERM
PLATE HEAT EXCHANGER SPECIFICATION SHEET

Sold To U S FILTER
PMC Spec. No. 70159-01.05
Ref No. N/A

Serial No. 205473-02
Sales Manager ERNST
Date 27 September, 2007

Design Data	Hot Side		Cold Side	
Heat Transfer Media	STEAM		WATER	
Volume Flow Rate	2758.7		981.0	GPM (Steam - CFM)
Mass Flow Rate	12000.0		490555.6	LB/HR
Inlet Temperature	250.0		51.0	°F
Outlet Temperature	250.0		74.1	°F
Density	0.01		8.34	LB/GAL
Specific Heat	944.815		0.999	BTU/LB F (Steam -BT
Viscosity	0.01		1.08	CPS
Thermal Conductivity	0.016		0.342	BTU/FT H F
Pressure Drop	3.8		10.0	PSI
Operating Pressure	15.3		50.0	PSI G
Heat Transfer Rate		11337894		BTU/H
Log Mean Temperature Difference		187.2		°F
Operating U-Value		112		BTU/FT2 H F
Heat Transfer Area (All Frames)		542.3		FT2

Mechanical Description

Frame

Type	B-20 Carbon Steel
Design Code	ASME Section VIII, DIV. 1
Design Pressure	100 PSI G
Design Temp. Max/Min	260 °F / 32°F
Test Pressure	130 PSI G
Frames In Parallel/Series/Total	1/ 1/ 1
A-Dim. Min./Max.	8.79/ 9.39 Inch
Overall Length	52.63 Inch
Overall Width	36.25 Inch
Overall Height	85.13 Inch
Guide Bar Length/Capacity	48.00 Inch / 134 plates
Compression Bolt Length/Capacity	24.00 Inch / 92 plates
Weight Operating/Empty	4387/ 4197 LB

Plate

Type	80M V
Plate Material	0.50 MM 316 S/S
Plates/Frame	62
Passes-H/C	1/1
Channels-H/C	30/31
Gasket Material	EPDM

Connections		Location
Hot In	6.00 Inch 316L S/S Studded	1F
Hot Out	6.00 Inch 316L S/S Studded	4F
Cold In	6.00 Inch EPDM Studded	3F
Cold Out	6.00 Inch EPDM Studded	2F

Notes:

Aluminum shroud included

The purchaser of the equipment bears total responsibility for suitability of use of all materials in this application.

We may have assumed some design values. If they differ from your requirements, a new design may be necessary.