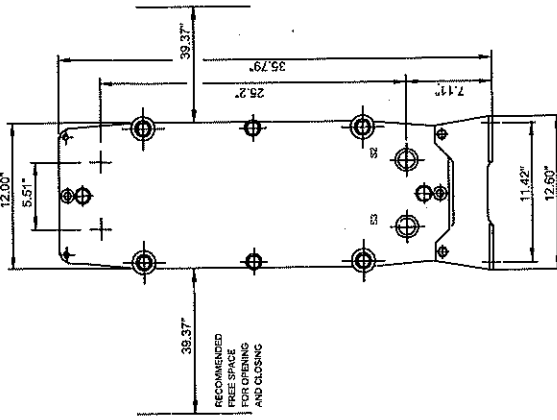
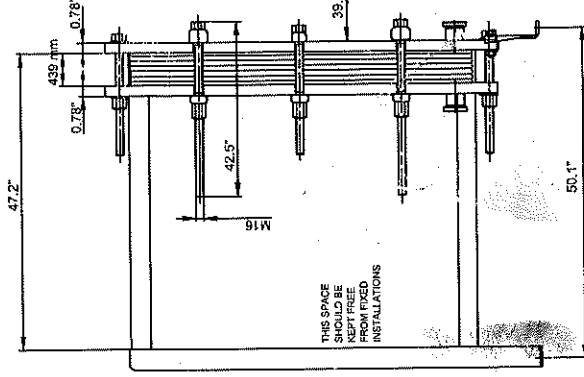


FRAME PLATE (FIXED)

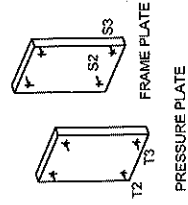
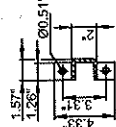


RECOMMENDED
PRESSURE
RATING
AND CLOSING

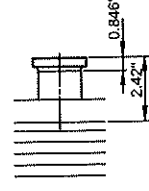
45



THIS SPACE
SHOULD BE
LEFT OPEN
FOR FIXED
INSTALLATIONS



CLAMP 51
AISI 316L



TOTAL LENGTH 51.9"
TOTAL WIDTH 12.6"
TOTAL HEIGHT 35.8"

ALL DIMENSIONS IN INCHES

CUSTOMER Slatco-DSI / PO033598-1
CUSTOMER REF. 767
NAME / 8226852
AGENT Alfa Laval / 2020
MANUFACT./YEAR RICHYH / 128844-10
SUPPLIER/REF.

ORIGINAL FLOW ALTERNATIVE

NO	SEC.	MEDIA	INLET	OUTLET
1	1	13.0% Sugar	S2	T2
2	1	30.0% Prop.glycol	T3	S3

CONSTRUCTION OF ONE UNIT

CLAMP 51 : S2, S3, T2, T3

PLATE PACK TIGHTENING TO	439 mm
TOTAL NO OF PLATES	122
NET WEIGHT	444 lb
WEIGHT WITH WATER	562 lb
TOTAL VOLUME	1.82 ft ³
DESIGN PRESSURE	145 psi / 145 psi
TEST PRESSURE	207.4 psi / 207.4 psi
DESIGN TEMPERATURE MIN	25 °F / 25 °F
DESIGN TEMPERATURE MAX	250 °F / 250 °F
RISK CATEGORY	N/A
FLUID DANGER GROUP	2 / 2
EXTRAS	

PLATE HEAT EXCHANGER
M6-MBASE

PREPARED	DATE	SERIAL NUMBER	REV
LTE	2020-04-30	30120-93569	0

Alfa Laval

Alfa Laval, Plate Heat Exchanger

Model : M6-MBASE

Manufacturing no.	30120-93569	Date	2020-04-30 LTE
Plate Heat Exchanger Type:	M6-MBASE	Quantity:	1
Drawing no:			
Customer: Statco-DSI		Ref:	PO033598-1
Agent:		Ref:	8226852
Supplier: ALFA LAVAL		Ref:	128844

Plates with parallel flow.

The plate pack is tightened to 17.3"

Always observe plate from its gasket side. In the upper part of the plate a ten figure part number is stamped. In the same area you will also find the letter 'A'. This means that the other end of the plate is denominated 'B'. Plates with four port holes are normally not stamped with a part number; they are identified by the type marking.

The plates are assembled, counting from the frame plate to the pressure plate, in sequence stated below with the gasket side facing the frame plate. Plates in the list marked with a 'B' are mounted with the stamped 'A' facing downwards. 'H'/L' or '1'/2' correspond to the pattern on the plate.

For information about installation, running, cleaning etc. see the instruction book.

Measurements (see drawing):

A = 17.3" AA = 17.3"
LT = 42.5"

Net weight:
444 lb

Liquid volume:
1.8 ft³

Design pressure:
145 psi

Total Area:
179.3 ft²

Connection standard: CLAMP 51
Pressure Vessel Code:
PED Risk Category: N/A

	- Side 1 -	- Side 2 -	
Test pressure:	207.4	207.4	psi
Design temperature:	250.0	250.0	°F
Min temperature:	25.0	25.0	°F
Bolts:	M16		

Section Information

Section Area:	Flowrate GPM	Media	FDG	Temperature progr. (°F)	dP psi	Vol. (ft³):	Inlet	Outlet	Grouping:
1	50.0	13.0% Sugar	2	32.0 <- 60.0	2.724	0.9	S2	T2	2*30H
179.3 ft²	115.0	30.0% Prop.glycol	2	28.0 -> 40.2	14.67	0.9	T3	S3	2*30H

Alternative: 1

Section Area:	Flowrate GPM	Media	Temperature progr. (°F)	dP psi	Vol. (l):	Inlet	Outlet	Grouping:
1	50.0	CIP	32.0 <- 60.0	2.422	1	S2	T2	2*30H
	115.0	30.0% Prop.glycol	28.0 -> 40.7	14.66	1	T3	S3	2*30H

Measurements

Manufacturing no.	30120-93569	Date	2020-04-30 LTE
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Plate Heat Exchanger Type:	M6-MBASE	Quantity:	1
Drawing no:			

Customer:	Ref:
Statco-DSI	PO033598-1

Total A-measurement:	17.3"	Total weight:	444 lb
A-measure + free space:	23.7"	Total volume:	1.8 ft ³
B - Measure	50.1"		

Connection standard:	CLAMP 51
----------------------	----------

Per Section

Section No.	Plate Area: ft ²	Volume in ft ³ :		A-measure:
		- Side 1 -	- Side 2 -	
AA	179.3	0.9	0.9	17.3"

Carrying Bars

Carrying Bar length:	47.2"
Extendible by (plates):	68 Pcs

Tightening Bolts

Tightening Bolt length:	42.5"
Tightening Bolt dimension:	M16
Extendible by (plates):	68 Pcs

Centre of gravity:	Empty	Filled
Horizontal:	10.3"	8.1"

Foundation Load:	Opened	Operating	(N)
Support Column side:	1416	427	
Frame side:	1547	2075	

Connection Information

Connection on the FRAME PLATE	
Connection at S1 No Hole	Connection at S4 No Hole
Connection at S2 Connection block: M6 BASE CN10 Fitting on connection: CLAMP 51 M6 BASE FI29	Connection at S3 Connection block: M6 BASE CN10 Fitting on connection: CLAMP 51 M6 BASE FI29

Connection on the PRESSURE PLATE	
Connection at T1 No Hole	Connection at T4 No Hole
Connection at T2 Connection block: M6 BASE CN10 Fitting on connection: CLAMP 51 M6 BASE FI29	Connection at T3 Connection block: M6 BASE CN10 Fitting on connection: CLAMP 51 M6 BASE FI29

**Alfa Laval, Plate Heat Exchanger
Channel Plate Installation Description**

2020-04-30

Customer: Statco-DSI
Model : M6-MBASE
Customer PO: PO033598-1

SU Order No: 128844-10
Serial No: 30120-93569

Plate material and Thickness: ALLOY 316 0.60 mm

A Dimension: 439 mm

	Hot side	Cold side
Grouping:		
Sealing material:	EPDMFF Clip-on	EPDMFF Clip-on
Port Locations:	S2 -> T2	T3 -> S3
Connection material:	SS_FOOD	SS_FOOD

Port hole with flow on the gasketed side: U
Port hole sealed with O-ring: O
Plates are assembled with the gasket side facing the frame plate.

Plate no.	Plate code no.	Plate Pattern	Punched corner of the plate				Flow direction on the gasket side of the plate
			upper left	lower left	lower right	upper right	
			S1	S2	S3	S4	
	FRAME PLATE						
	Section 1						
				==>=	==>=		
1	364217 0591	M6 M2 A		O	O		
2	364217 0510	M6 M2 B	U	---<---	U		Up
3	364217 0503	M6 M2 A	O	O	U	---<---	Down
4	364217 0503	M6 M2 B	U	---<---	U	O	Up
5	364217 0503	M6 M2 A	O	O	U	---<---	Down
6	364217 0503	M6 M2 B	U	---<---	U	O	Up
7	364217 0503	M6 M2 A	O	O	U	---<---	Down
8	364217 0503	M6 M2 B	U	---<---	U	O	Up
9	364217 0503	M6 M2 A	O	O	U	---<---	Down
10	364217 0503	M6 M2 B	U	---<---	U	O	Up
11	364217 0503	M6 M2 A	O	O	U	---<---	Down
12	364217 0503	M6 M2 B	U	---<---	U	O	Up
13	364217 0503	M6 M2 A	O	O	U	---<---	Down
14	364217 0503	M6 M2 B	U	---<---	U	O	Up
15	364217 0503	M6 M2 A	O	O	U	---<---	Down
16	364217 0503	M6 M2 B	U	---<---	U	O	Up
17	364217 0503	M6 M2 A	O	O	U	---<---	Down
18	364217 0503	M6 M2 B	U	---<---	U	O	Up
19	364217 0503	M6 M2 A	O	O	U	---<---	Down
20	364217 0503	M6 M2 B	U	---<---	U	O	Up
21	364217 0503	M6 M2 A	O	O	U	---<---	Down
22	364217 0503	M6 M2 B	U	---<---	U	O	Up
23	364217 0503	M6 M2 A	O	O	U	---<---	Down
24	364217 0503	M6 M2 B	U	---<---	U	O	Up
25	364217 0503	M6 M2 A	O	O	U	---<---	Down
26	364217 0503	M6 M2 B	U	---<---	U	O	Up

			6				
27	364217 0503	M6 M2 A	O	O	U	--<--	U Down
28	364217 0503	M6 M2 B	U	--<--	U	O	O Up
29	364217 0503	M6 M2 A	O	O	U	--<--	U Down
30	364217 0503	M6 M2 B	U	--<--	U	O	O Up
31	364217 0503	M6 M2 A	O	O	U	--<--	U Down
32	364217 0503	M6 M2 B	U	--<--	U	O	O Up
33	364217 0503	M6 M2 A	O	O	U	--<--	U Down
34	364217 0503	M6 M2 B	U	--<--	U	O	O Up
35	364217 0503	M6 M2 A	O	O	U	--<--	U Down
36	364217 0503	M6 M2 B	U	--<--	U	O	O Up
37	364217 0503	M6 M2 A	O	O	U	--<--	U Down
38	364217 0503	M6 M2 B	U	--<--	U	O	O Up
39	364217 0503	M6 M2 A	O	O	U	--<--	U Down
40	364217 0503	M6 M2 B	U	--<--	U	O	O Up
41	364217 0503	M6 M2 A	O	O	U	--<--	U Down
42	364217 0503	M6 M2 B	U	--<--	U	O	O Up
43	364217 0503	M6 M2 A	O	O	U	--<--	U Down
44	364217 0503	M6 M2 B	U	--<--	U	O	O Up
45	364217 0503	M6 M2 A	O	O	U	--<--	U Down
46	364217 0503	M6 M2 B	U	--<--	U	O	O Up
47	364217 0503	M6 M2 A	O	O	U	--<--	U Down
48	364217 0503	M6 M2 B	U	--<--	U	O	O Up
49	364217 0503	M6 M2 A	O	O	U	--<--	U Down
50	364217 0503	M6 M2 B	U	--<--	U	O	O Up
51	364217 0503	M6 M2 A	O	O	U	--<--	U Down
52	364217 0503	M6 M2 B	U	--<--	U	O	O Up
53	364217 0503	M6 M2 A	O	O	U	--<--	U Down
54	364217 0503	M6 M2 B	U	--<--	U	O	O Up
55	364217 0503	M6 M2 A	O	O	U	--<--	U Down
56	364217 0503	M6 M2 B	U	--<--	U	O	O Up
57	364217 0503	M6 M2 A	O	O	U	--<--	U Down
58	364217 0503	M6 M2 B	U	--<--	U	O	O Up
59	364217 0503	M6 M2 A	O	O	U	--<--	U Down
60	364217 0506	M6 M2 B	U	--<--		O	O Up
61	364217 0504	M6 M2 A	O			--<--	U Down
62	364217 0505	M6 M2 B	U	--->--	U		O Down
63	364217 0503	M6 M2 A	O	O	U	--->--	U Up
64	364217 0503	M6 M2 B	U	--->--	U	O	O Down
65	364217 0503	M6 M2 A	O	O	U	--->--	U Up
66	364217 0503	M6 M2 B	U	--->--	U	O	O Down
67	364217 0503	M6 M2 A	O	O	U	--->--	U Up
68	364217 0503	M6 M2 B	U	--->--	U	O	O Down
69	364217 0503	M6 M2 A	O	O	U	--->--	U Up
70	364217 0503	M6 M2 B	U	--->--	U	O	O Down
71	364217 0503	M6 M2 A	O	O	U	--->--	U Up
72	364217 0503	M6 M2 B	U	--->--	U	O	O Down
73	364217 0503	M6 M2 A	O	O	U	--->--	U Up
74	364217 0503	M6 M2 B	U	--->--	U	O	O Down
75	364217 0503	M6 M2 A	O	O	U	--->--	U Up
76	364217 0503	M6 M2 B	U	--->--	U	O	O Down
77	364217 0503	M6 M2 A	O	O	U	--->--	U Up
78	364217 0503	M6 M2 B	U	--->--	U	O	O Down
79	364217 0503	M6 M2 A	O	O	U	--->--	U Up
80	364217 0503	M6 M2 B	U	--->--	U	O	O Down
81	364217 0503	M6 M2 A	O	O	U	--->--	U Up
82	364217 0503	M6 M2 B	U	--->--	U	O	O Down
83	364217 0503	M6 M2 A	O	O	U	--->--	U Up
84	364217 0503	M6 M2 B	U	--->--	U	O	O Down
85	364217 0503	M6 M2 A	O	O	U	--->--	U Up
86	364217 0503	M6 M2 B	U	--->--	U	O	O Down
87	364217 0503	M6 M2 A	O	O	U	--->--	U Up
88	364217 0503	M6 M2 B	U	--->--	U	O	O Down

			7					
89	364217 0503	M6 M2 A	O		O	U	--->--	U Up
90	364217 0503	M6 M2 B	U	--->--	U	O		O Down
91	364217 0503	M6 M2 A	O		O	U	--->--	U Up
92	364217 0503	M6 M2 B	U	--->--	U	O		O Down
93	364217 0503	M6 M2 A	O		O	U	--->--	U Up
94	364217 0503	M6 M2 B	U	--->--	U	O		O Down
95	364217 0503	M6 M2 A	O		O	U	--->--	U Up
96	364217 0503	M6 M2 B	U	--->--	U	O		O Down
97	364217 0503	M6 M2 A	O		O	U	--->--	U Up
98	364217 0503	M6 M2 B	U	--->--	U	O		O Down
99	364217 0503	M6 M2 A	O		O	U	--->--	U Up
100	364217 0503	M6 M2 B	U	--->--	U	O		O Down
101	364217 0503	M6 M2 A	O		O	U	--->--	U Up
102	364217 0503	M6 M2 B	U	--->--	U	O		O Down
103	364217 0503	M6 M2 A	O		O	U	--->--	U Up
104	364217 0503	M6 M2 B	U	--->--	U	O		O Down
105	364217 0503	M6 M2 A	O		O	U	--->--	U Up
106	364217 0503	M6 M2 B	U	--->--	U	O		O Down
107	364217 0503	M6 M2 A	O		O	U	--->--	U Up
108	364217 0503	M6 M2 B	U	--->--	U	O		O Down
109	364217 0503	M6 M2 A	O		O	U	--->--	U Up
110	364217 0503	M6 M2 B	U	--->--	U	O		O Down
111	364217 0503	M6 M2 A	O		O	U	--->--	U Up
112	364217 0503	M6 M2 B	U	--->--	U	O		O Down
113	364217 0503	M6 M2 A	O		O	U	--->--	U Up
114	364217 0503	M6 M2 B	U	--->--	U	O		O Down
115	364217 0503	M6 M2 A	O		O	U	--->--	U Up
116	364217 0503	M6 M2 B	U	--->--	U	O		O Down
117	364217 0503	M6 M2 A	O		O	U	--->--	U Up
118	364217 0503	M6 M2 B	U	--->--	U	O		O Down
119	364217 0503	M6 M2 A	O		O	U	--->--	U Up
120	364217 0509	M6 M2 B		--->--	U	O		O Down
121	364217 0511	M6 M2 A			O	U	--->--	U Up
122	364217 0544	M6 M2 B			O	O		
PRESSURE PLATE			==<=		==<=			
			T1	T2	T3	T4		

Article No:	Quantity:
364217 0591	1
364217 0510	1
364217 0503	114
364217 0506	1
364217 0504	1
364217 0505	1
364217 0509	1
364217 0511	1
364217 0544	1

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PARTS LIST



Unit type: **M6-MBASE**

Page 1 of 2

Block	Block description	Item no	Item description	Qty
364217 0503	CHANNEL PLATE M6M2-HT-316-0.6-EPDMFF/C	364217 0003	CHANNEL PLATE PRESSED M6M-2 316.6 HT 4H	114
		39005614 26	GASKET M6M EPDMFF CO PEAK WO/ LIP	114
364217 0504	CHANNEL PLATE	364217 0016	CHANNEL PLATE PRESSED M6M-2 316.6 HT 0H w/CORNERS	1
		39005614 26	GASKET M6M EPDMFF CO PEAK WO/ LIP	1
364217 0505	CHANNEL PLATE	364217 0016	CHANNEL PLATE PRESSED M6M-2 316.6 HT 0H w/CORNERS	1
		39005614 26	GASKET M6M EPDMFF CO PEAK WO/ LIP	1
364217 0506	CHANNEL PLATE	364217 0016	CHANNEL PLATE PRESSED M6M-2 316.6 HT 0H w/CORNERS	1
		39005614 26	GASKET M6M EPDMFF CO PEAK WO/ LIP	1
364217 0509	CHANNEL PLATE	364217 0016	CHANNEL PLATE PRESSED M6M-2 316.6 HT 0H w/CORNERS	1
		39005614 26	GASKET M6M EPDMFF CO PEAK WO/ LIP	1
364217 0510	CHANNEL PLATE	364217 0016	CHANNEL PLATE PRESSED M6M-2 316.6 HT 0H w/CORNERS	1
		39005614 26	GASKET M6M EPDMFF CO PEAK WO/ LIP	1
364217 0511	CHANNEL PLATE	364217 0016	CHANNEL PLATE PRESSED M6M-2 316.6 HT 0H w/CORNERS	1
		39005614 26	GASKET M6M EPDMFF CO PEAK WO/ LIP	1
364217 0544	TRANSITION PLATE	32330 1424 6	GASKET M6M NBRP CO PEAK EP2	1
		32330 8407 1	TAPE GC1 - FDA APPROVED	1
		32330 8535 1	COLLAR, TRANSITION PLATE M6M 316SS	2
		364217 0076	CHANNEL PLATE PRESSED M6M-2 316.6 HT 0H WO/CORNERS	1
		39005615 26	GASKET RING TRANSITION PLATE M6M EPDMFF PEAK	2
364217 0591	END PLATE II	32330 1422 26	GASKET M6M EPDMFF CO PEAK EP2	1
		364217 0016	CHANNEL PLATE PRESSED M6M-2 316.6 HT 0H w/CORNERS	1
M6 BASE BA20	BARS 47.2"/1200mm SS w/BOX	32383855 01	PALLET IPPC - C3 pallet L=64"/1626mm	1
		32386945 03	CARDBOARD BOX w/TOP (C3 Skid) For C3 Skid	1
		3350000517	CARRYING/GUIDE BAR 1200mm SS M6 BASE	2
		3350000772	ASSEMBLY PARTS KIT - C-BAR M6 BASE	1
		4x4x36 IPPC BOARDBOARD	M6Base TS6 PALLETS	1

M6 BASE CN10	CONNECTION TUBING 2" L=60mm UNPOLISHED	32382401 01	CONNECTION 2" FRAME CONNECTION UNPOLISHED	4
M6 BASE FI29	FITTING 2" CLAMP CORNER SS	9611 31 0210 VA	TRI-CLAMP 2" FERRULE SS VALUE ADD	4
M6 BASE FO04	FEET <ACT> L-SHAPE STD (BASE LINE)	1627508 01	FOOT STD, M6 BASELINE	1
M6 BASE FP17	FRAME PLATE DAIRY 2P S14/S23 .79"/20mmT	B34503918 01	FP/PP PLATE COMPLETE M6BASE 2P S14/23X5CrNi 20mmT	1
M6 BASE NP11	NAME PLATE DAIRY Alfa	32380175 06	NAME PLATE Alfa Laval / Foam Back	1
		32384770 01	MANUAL USB- PHE GLOBAL I&M ALL MODELS	1
		82300701 01	DECAL QR CODE	1
M6 BASE PP17	PRESSURE PLATE DAIRY 2P T14/T23 .79"/20mmT	B34503918 01	FP/PP PLATE COMPLETE M6BASE 2P S14/23 X5CrNi 20mmT	1
M6 BASE SC06	SUPPORT COLUMN M6 BASE WITH STD FOOT	3350000809	SUPPORT COLUMN M6 BASE WITH STD FOOT	1
M6 BASE TB23	T-BOLT M16 42.5"/1080mm B8M	1624417 01	BEARING BOX M16 DIA BOLTS 304SS	6
		1624421 01	LOCK WASHER TB M16 304SS for M6 BASE	6
		1641665 02	TIGHTENING NUT M16 509L Brass	8
		34504008 01	T-BOLT, HEX HEAD M16 B8M 1080mm	8
M6 BASE YP09	PACKING SKID LC=1200mm	GHOST	GHOST GHOST	1
M6 MBASE FX02	FIXED ITEMS MOUNTING PARTS- DRIVE SCREWS	1640858 14	MOUNTING PARTS M6 BASE FX	1
		66169	DRIVE SCREW STAINLESS	4