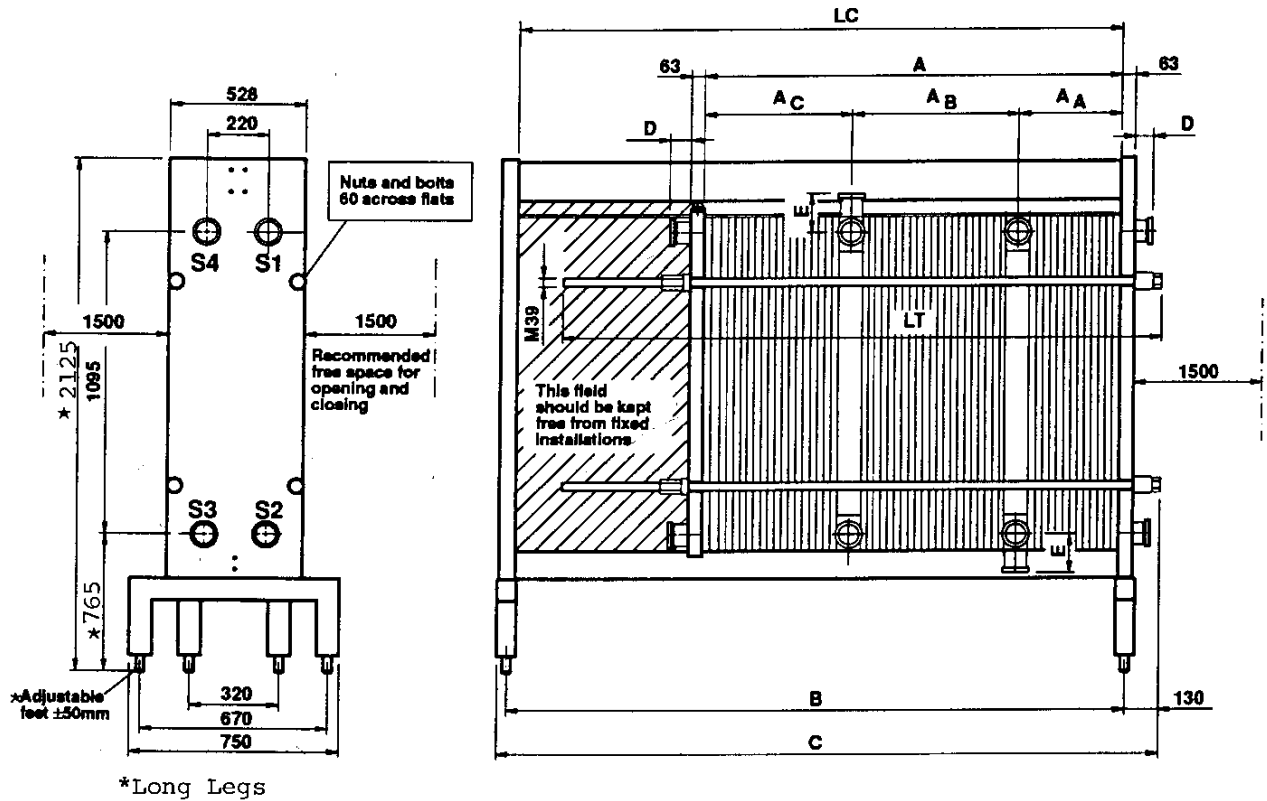


All dimensions in mm

PHE-TYPE CLIP 8-RH

2 CONNECTION PLATES

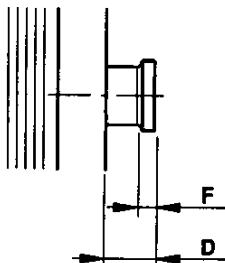


For actual measures (A, B, C, etc.) please see computer printed specification.

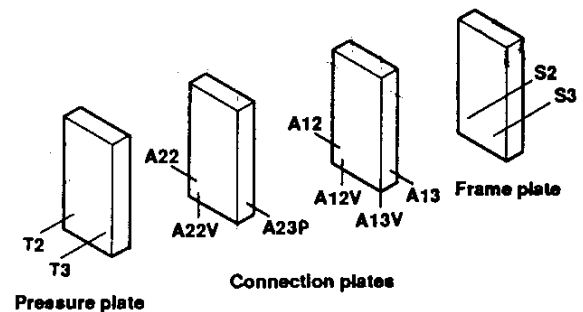
CONNECTION TYPE

1. Connection of stainless steel Ø76 mm

3" Clamp connections



CONNECTION LOCATIONS



A23P is a 2" clamp Pressure Switch connection.

STANDARD	SMS	DIN	IDF	RJT	CLAMP
D	64	70	61.5	62.2	61.5
E	134	140	131.5	132.2	131.5
F	24	30	21.5	22.2	21.5

NOTES!

- Connections with male part only.

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Manufacturing no. 30105-57501 Date 1127
TONY

Plate Heat Exchanger type CLIP8-RH Quantity 1
Drawing no.

Customer Ref.
LEIBY'S DAIRY
TAMAQUA, PA

Agent Ref.
TETRA PAK INC 72970
VERNON HILLS, IL

Supplier Ref.
ALFA LAVAL THERMAL INC. 919443

Plates with parallel flow.

The plate pack is tightened to 39.21 inches

Always observe plate from its gasket side. A ten figure part number plus one letter are stamped on the upper part of the plate.

The plates are assembled, counting from the frame plate to the pressure plate, in sequence stated below with the gasket side facing the pressure plate.

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

Measurements (see drawing) inches : Net weight
: 3228 lb
A = 39.21 AA = 5.98 :
LT= 88.58 AB = 21.10 : Liquid volume
B = 96.85 AC = 12.09 : 67.69 US gal
: :
C = 103.35 : Design pressure
: 300.0 PSI

Connection standard
3" CLAMP

Remarks

Test pressure : 390.0 PSI
Design temp : 230 F

Bolts : M39

A23P is a 2" clamp Pressure Switch connection.

* Designates a 1/8" raw regenerator drainage hole.

Section no 1 /AA-----
Media ->Ice Cream Mix =>Hot Water
Flow rate 11000 pph 90 gpm
Temp. program 158 to 175 F 178 to 174 F
Pressure drop 2 psi 19 psi
Liquid volume 4.57 US gal 4.57 US gal
Location of connections
inlet A12 S3
outlet S2 A13V
Material in connections SS SS
Plates material AISI 316
thickness 0.60 mm
Gasket material NITRILE CLIP-ON
Heat transfer surface 89.95 sqft
Plate grouping 1*5+1*6MH

2*6ML

Section no 2 /AB-----
Media ->Ice Cream Mix =>Ice Cream Mix
Flow rate 11000 pph 11000 pph
Temp. program 55 to 158 F 175 to 74 F
Pressure drop 12 psi 10 psi
Liquid volume 18.64 US gal 18.64 US gal
Location of connections
inlet A22 A13
outlet A12V A23P
Material in connections SS SS
Plates material AISI 316
thickness 0.60 mm
Gasket material NITRILE CLIP-ON
Heat transfer surface 396.61 sqft
Plate grouping 7*6+1*7MH

7*6+1*7ML

Section no 3 /AC-----
Media ->Ice Water =>Ice Cream Mix
Flow rate 80 gpm 11000 pph
Temp. program 34 to 42 F 74 to 38 F
Pressure drop 21 psi 13 psi
Liquid volume 10.64 US gal 10.64 US gal
Location of connections
inlet T2 A23P
outlet A22V T3
Material in connections SS SS
Plates material AISI 316
thickness 0.60 mm
Gasket material NITRILE CLIP-ON
Heat transfer surface 228.97 sqft
Plate grouping 1*8+3*7MH

4*7ML

Plate no.	Plate code no.	Punched corner of the plate				Flow direction on the gasket side of the plate
		upper left	lower left	lower right	upper right	
		S	1	2	3	4
				<--	=<=	
1	371217 3464B			0	0===>===	Up
2	371317 3406A		----	--0	0	Down
3	371217 3403B		0	0	0	Up
4	371317 3403A		0	0	0	Down
5	371217 3403B		0	0	0	Up
6	371317 3403A		0	0	0	Down
7	371217 3403B		0	0	0	Up
8	371317 3403A		0	0	0	Down
9	371217 3403B		0	0	0	Up
10	371317 3403A		0	0	0	Down
11	371217 3403B		0	0	0===>==0	Up
12	371317 3410A		0----	--0		Down
13	371217 3411B		0		===<===0	Down
14	371317 3409A		0--<----		0	Up
15	371217 3403B		0	0	0	Down
16	371317 3403A		0	0	0	Up
17	371217 3403B		0	0	0	Down
18	371317 3403A		0	0	0	Up
19	371217 3403B		0	0	0	Down
20	371317 3403A		0	0	0	Up
21	371217 3403B		0	0	0	Down
22	371317 3403A		0--<---	0	0	Up
23	371217 3410B			0	0==<===0	Down
24	371317 3491A			0	0	
		A1		->-	V=>	
				<-V	=<=	
1	371217 3464B			0	0===>===	Up
2	371317 3403A		0----	--0	0	Down
3	371217 3403B		0	0	0	Up
4	371317 3403A		0	0	0	Down
5	371217 3403B		0	0	0	Up
6	371317 3403A		0	0	0	Down
7	371217 3403B		0	0	0	Up
8	371317 3403A		0	0	0	Down
9	371217 3403B		0	0	0	Up
10	371317 3403A		0	0	0	Down
11	371217 3403B		0	0	0	Up
12	371317 3403A		0	0	0	Down
13	371217 3403B		0	0	0===>==0	Up
14	371317 3410A		0----	--0		Down
15	371217 3411B		0	*	===<===0	Down
16	371317 3403A		0--<---	0	0	Up
17	371217 3403B		0	0	0	Down
18	371317 3403A		0	0	0	Up
19	371217 3403B		0	0	0	Down
20	371317 3403A		0	0	0	Up
21	371217 3403B		0	0	0	Down

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22	371317	3403A	0	0	0	0	Up
23	371217	3403B	0	0	0	0	Down
24	371317	3403A	0	0	0	0	Up
25	371217	3403B	0	0	0==<===0		Down
26	371317	3405A	0--<---0		0		Up
27	371217	3404B		0	0===>===		Up
28	371317	3403A	0--->--0		0	0	Down
29	371217	3403B	0	0	0	0	Up
30	371317	3403A	0	0	0	0	Down
31	371217	3403B	0	0	0	0	Up
32	371317	3403A	0	0	0	0	Down
33	371217	3403B	0	0	0	0	Up
34	371317	3403A	0	0	0	0	Down
35	371217	3403B	0	0	0	0	Up
36	371317	3403A	0	0	0	0	Down
37	371217	3403B	0	0	0===>==0		Up
38	371317	3410A	0--->--0			0	Down
39	371217	3411B	0	*	===<===0		Down
40	371317	3403A	0--<---0		0	0	Up
41	371217	3403B	0	0	0	0	Down
42	371317	3403A	0	0	0	0	Up
43	371217	3403B	0	0	0	0	Down
44	371317	3403A	0	0	0	0	Up
45	371217	3403B	0	0	0	0	Down
46	371317	3403A	0	0	0	0	Up
47	371217	3403B	0	0	0	0	Down
48	371317	3403A	0	0	0	0	Up
49	371217	3403B	0	0	0==<===0		Down
50	371317	3405A	0--<---0		0		Up
51	371217	3404B		0	0===>===		Up
52	371317	3403A	0--->--0		0	0	Down
53	371217	3403B	0	0	0	0	Up
54	371317	3403A	0	0	0	0	Down
55	371217	3403B	0	0	0	0	Up
56	371317	3403A	0	0	0	0	Down
57	371217	3403B	0	0	0	0	Up
58	371317	3403A	0	0	0	0	Down
59	371217	3403B	0	0	0	0	Up
60	371317	3403A	0	0	0	0	Down
61	371217	3403B	0	0	0===>==0		Up
62	371317	3410A	0--->--0			0	Down
63	371217	3411B	0	*	===<===0		Down
64	371317	3403A	0--<---0		0	0	Up
65	371217	3403B	0	0	0	0	Down
66	371317	3403A	0	0	0	0	Up
67	371217	3403B	0	0	0	0	Down
68	371317	3403A	0	0	0	0	Up
69	371217	3403B	0	0	0	0	Down
70	371317	3403A	0	0	0	0	Up
71	371217	3403B	0	0	0	0	Down
72	371317	3403A	0	0	0	0	Up
73	371217	3403B	0	0	0==<===0		Down
74	371317	3405A	0--<---0		0		Up
75	371217	3404B		0	0===>===		Up
76	371317	3403A	0--->--0		0	0	Down

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77	371217	3403B	0	0	0	0	Up
78	371317	3403A	0	0	0	0	Down
79	371217	3403B	0	0	0	0	Up
80	371317	3403A	0	0	0	0	Down
81	371217	3403B	0	0	0	0	Up
82	371317	3403A	0	0	0	0	Down
83	371217	3403B	0	0	0	0	Up
84	371317	3403A	0	0	0	0	Down
85	371217	3403B	0	0	0===>==0		Up
86	371317	3410A	0--->--0			0	Down
87	371217	3411B	0	*	===<===0		Down
88	371317	3403A	0--<---0		0	0	Up
89	371217	3403B	0	0	0	0	Down
90	371317	3403A	0	0	0	0	Up
91	371217	3403B	0	0	0	0	Down
92	371317	3403A	0	0	0	0	Up
93	371217	3403B	0	0	0	0	Down
94	371317	3403A	0	0	0	0	Up
95	371217	3403B	0	0	0	0	Down
96	371317	3403A	0	0	0	0	Up
97	371217	3403B	0	0	0==<===0		Down
98	371317	3405A	0--<---0		0		Up
99	371217	3484B		0	0		

A2

			->-	:			
			<-V	:			
1	371317	3471A	---->--0	0			Down
2	371217	3409B	0	0	0===>===		Up
3	371317	3403A	0	0	0	0	Down
4	371217	3403B	0	0	0	0	Up
5	371317	3403A	0	0	0	0	Down
6	371217	3403B	0	0	0	0	Up
7	371317	3403A	0	0	0	0	Down
8	371217	3403B	0	0	0	0	Up
9	371317	3403A	0	0	0	0	Down
10	371217	3403B	0	0	0	0	Up
11	371317	3403A	0	0	0	0	Down
12	371217	3403B	0	0	0	0	Up
13	371317	3403A	0--->--0	0	0		Down
14	371217	3403B	0	0	0===>==0		Up
15	371317	3404A	0--<---*		0		Up
16	371217	3406B	0	0	===<===0		Down
17	371317	3403A	0	0	0	0	Up
18	371217	3403B	0	0	0	0	Down
19	371317	3403A	0	0	0	0	Up
20	371217	3403B	0	0	0	0	Down
21	371317	3403A	0	0	0	0	Up
22	371217	3403B	0	0	0	0	Down
23	371317	3403A	0	0	0	0	Up
24	371217	3403B	0	0	0	0	Down
25	371317	3403A	0	0	0	0	Up
26	371217	3403B	0	0	0	0	Down
27	371317	3403A	0--<---0	0	0		Up
28	371217	3403B	0	0	0==<===0		Down
29	371317	3411A	---->--0	0			Down
30	371217	3409B	0	0	0===>===		Up

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31	371317	3403A	O	O	O	O	Down
32	371217	3403B	O	O	O	O	Up
33	371317	3403A	O	O	O	O	Down
34	371217	3403B	O	O	O	O	Up
35	371317	3403A	O	O	O	O	Down
36	371217	3403B	O	O	O	O	Up
37	371317	3403A	O	O	O	O	Down
38	371217	3403B	O	O	O	O	Up
39	371317	3403A	O	O	O	O	Down
40	371217	3403B	O	O	O	O	Up
41	371317	3403A	O--->--O		O	O	Down
42	371217	3403B	O	O	O===>==O		Up
43	371317	3404A	O--<---*			O	Up
44	371217	3406B	O	O	===<#==O		Down
45	371317	3403A	O	O	O	O	Up
46	371217	3403B	O	O	O	O	Down
47	371317	3403A	O	O	O	O	Up
48	371217	3403B	O	O	O	O	Down
49	371317	3403A	O	O	O	O	Up
50	371217	3403B	O	O	O	O	Down
51	371317	3403A	O	O	O	O	Up
52	371217	3403B	O	O	O	O	Down
53	371317	3403A	O	O	O	O	Up
54	371217	3403B	O	O	O	O	Down
55	371317	3403A	O	O	O	O	Up
56	371217	3403B	O	O	O==<===O		Down
57	371317	3405A	O--<---O		O		Up
58	371217	3484B		O	O		
			->-		==>		
	T	1	2	3	4		

* = Unholed port with drilled hole for drainage.

DATE : 1127

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Plate-req. for manuf.order:

Orderno. : 919443 -

CLIP8 AISI 316 0.60 NITRILE

CLIP-ON

PLATE NUMBER	QUANTITY
--------------	----------

371217 3403	74
-------------	----

371217 3404	3
-------------	---

371217 3406	2
-------------	---

371217 3409	2
-------------	---

371217 3410	1
-------------	---

371217 3411	5
-------------	---

371217 3464	2
-------------	---

371217 3484	2
-------------	---

371317 3403	73
-------------	----

371317 3404	2
-------------	---

371317 3405	5
-------------	---

371317 3406	1
-------------	---

371317 3409	1
-------------	---

371317 3410	5
-------------	---

371317 3411	1
-------------	---

371317 3471	1
-------------	---

371317 3491	1
-------------	---

TOTAL (CHANNELPL.+ENDPL.)

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MEASUREMENTS

Manufacturing no. 30105-57501 Date 1127
TONY

Plate Heat Exchanger type CLIP8-RH Quantity 1
Drawing no.

MC - orderno. 72970 Orderno. 919443

A-MEAS.TOTAL 39.21 inches TOTAL WEIGHT 3228 lb
A+FREE SPACE 52.72 inches TOTAL VOLUME 67.66 US gal
B - MEASURE 96.85 inches
C - MEASURE 103.35 inches
CONN.STD 3" CLAMP

PER SECTION
SECT. PLATE AREA VOLUME IN US gal
NO. sqft SIDE 1 / SIDE 2 A-MEASURE (inches)
1 89.95 4.17 / 4.57 5.98 (AA)
2 396.61 18.64 / 18.64 21.10 (AB)
3 228.97 11.04 / 10.64 12.09 (AC)

CARRYING BARS

CARR.BAR L. 2400 mm EST. MIN.LENGTH 1639 mm
EXTENDIBLE BY : PLATE QUANT. / FREE HANGING
118 PCS / 761 mm

TIGHTENING BOLTS

TIGHT.BOLT L. 2250 mm EST. MIN.LENGTH 1599 mm
TIGHT.BOLT DIM. M39
EXTENDIBLE BY : PLATE QUANT. / FREE HANGING
101 PCS / 651 mm

CENTRE OF GRAVITY EMPTY FILLED (mm)
HORIZONTAL 658 643 (from the outside of
the frame plate)
VERTICAL 1048 1048 (from the underside foot or frame)

FOUNDATION LOAD OPENED OPERATING (N)
SUPP. COLUMN SIDE 8267 4403
FRAME SIDE 10523 12464