

Recipe No.		Product	Product data	Temp. program °C	Capacity l/h	1) 0			0			2) 0			0		Notes						
						HC 4 sec	HC 4 sec	HC 4 sec	Stab. HC 60 sec	Aseptic Homog.					Tetra Alsafe								
1.	Milk	#4960	5-127-homog.-4		6000	x			x							x							
2.	Milk	#4960	5-127-homog.-4		12000		x		x							x							
3.	Cream 40%	#4965	5-127-homog.-6		9000			x	x							x							
Note: Holding cell time corresponds to max capacities																							
Pressure vessel code: PED																							
Media Supply																							
Temperature [°C]																							
<table><tr><td>Ice water, IW</td><td>3</td></tr><tr><td>Tower water, TW</td><td>-</td></tr><tr><td>Cold water, CW</td><td>10</td></tr></table>																		Ice water, IW	3	Tower water, TW	-	Cold water, CW	10
Ice water, IW	3																						
Tower water, TW	-																						
Cold water, CW	10																						

HC Proximity switches (GS)	GS31	GS32	GS33	GS30

HC volume [l]	6,7	13,3	10.0	210
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Product/Model: **Tetra Therm® Aseptic Flex**

Serial number: **T5844151091**

Company name: **Tetra Pak, Sweden**

Issued by: **NBR**

Issue date:

Aproval by: **BoCGO**

Rev:

Date of rev:

Approval of rev:

Description of rev:

Notes:	Consumption rates at: 12000 l/h *) Steam supply ought to be dimensioned for: 1320 kg/h	CIP Flow High Temp (137°C): 12 000 l/h			Concentrate	Litre to add
		CIP Flow Low Temp (90°C) : 24 000 l/h				
	Plant volume = abt 939 l	Caustic NaOH:			127°C	2,0%
		Acid HNO3:			Max 90°C	1,0%

Label/ Conn. Pos	Media	Pressure/Voltage	Capacity/kW	Notes
V44	Steam	7 bar _G	200 kg/h *)	
V46, V48	Steam	3 bar _G	50 kg/h	Aseptic homogeniser
V13.1	Product	3 bar _G	12 m³/h	
V14	Rinsing water	3 bar _G	30 m³/h	During CIP-rinse
V26	Ice water	3 bar _G , 3°C	43 m³/h	Option 30, outlet temp. 6°C
V64	Cooling water	3 bar _G , 10°C	0.5 m³/h	Outlet temp. 50°C
V55	Cooling water	3 bar _G , 25°C	1 m³/h	Homogeniser
V74	Product	0.5-3 bar _G	NA	AFM/Alsafe
V80	Caustic (NaOH)	1 bar _G	600 l/h	M12
V82	Acid(HNO)	1 bar _G	600 l/h	M13
	Instrument air	6 bar _G	50 l/h	
	Electrical power		32 kW	TA Flex panel
	Electrical power, Homogeniser		90 kW	See technical data homogeniser



Cas 2000-5.34
sign/2010-06-22/13:28:35

PHE type Tetra Plex C10-KSH

End Customer/country Tetra Pak DBF,	Date 10/5/2010	Handled by MLI	Project no 108269
Order no T5844151091	Representative	Item no 108269 0	

Section I is closest to the frame plate.

Section	Flowrate (kg/h)	Media	Temperature progr. (°C)	dP (kPa)	Grouping
I	12100	Water	98 -> 82	9	2*10MH
	12240	13.0% Whole milk	95 <- 79	9	2*10ML
II	12100	Water	110 -> 98	9	2*10MH
	12240	13.0% Whole milk	108 <- 95	9	2*10ML
III	12100	Water	128 -> 110	23	5*10MH
	12240	13.0% Whole milk	127 <- 108	23	5*10ML
IV	12100	Water	82 -> 122	18	4*10MH
	12240	13.0% Whole milk	85 <- 127	18	4*10ML
V	12240	13.0% Whole milk	54 -> 75	5	1*10MH
	12240	13.0% Whole milk	64 <- 85	5	1*10ML
VI	12240	13.0% Whole milk	5 -> 54	14	3*10MH
	12240	13.0% Whole milk	15 <- 64	14	3*10ML
VII	27067	IW	3 -> 8	45	2*10MH
	12240	13.0% Whole milk	4 <- 15	10	2*10ML
VIII	12000	Water	127 -> 85	18	4*10MH
	4333	CW	127 <- 10	2	4*10ML
IX	12100	Water	82 -> 82	5	1*6L
		CW	<-	0	3*2L

Section I is closest to the frame plate.

Section	Flowrate (kg/h)	Media	Temperature progr. (°C)	dP (kPa)	Grouping
I	5900	Water	98 -> 82	2	2*10MH
	6120	13.0% Whole milk	96 <- 79	2	2*10ML
II	5900	Water	98 -> 98	2	2*10MH
	6120	13.0% Whole milk	<-	2	2*10ML
III	5900	Water	128 -> 98	6	5*10MH
	6120	13.0% Whole milk	127 <- 96	6	5*10ML
IV	5900	Water	81 -> 123	4	4*10MH
	6120	13.0% Whole milk	83 <- 127	5	4*10ML
V	6120	13.0% Whole milk	54 -> 75	1	1*10MH
	6120	13.0% Whole milk	62 <- 83	1	1*10ML
VI	6120	13.0% Whole milk	5 -> 54	4	3*10MH
	6120	13.0% Whole milk	13 <- 62	4	3*10ML
VII	8543	IW	3 -> 9	5	2*10MH
	6120	13.0% Whole milk	4 <- 13	3	2*10ML
VIII	6000	Water	127 -> 85	5	4*10MH
	2166	CW	127 <- 10	1	4*10ML
IX	5900	Water	82 -> 81	1	1*6L
	115	CW	82 <- 10	0	3*2L

Section I is closest to the frame plate.

Section	Flowrate (kg/h)	Media	Temperature progr. (°C)	dP (kPa)	Grouping
I	10800	Water	120 -> 95	7	2*10MH
	9000	40.0% Cream	118 <- 82	5	2*10ML
II	10800	Water	120 -> 120	7	2*10MH
	6131	40.0% Cream	<-	2	2*10ML
III	10800	Water	127 -> 120	18	5*10MH
	9000	40.0% Cream	127 <- 118	13	5*10ML
IV	10800	Water	95 -> 118	15	4*10MH
	9000	40.0% Cream	95 <- 127	11	4*10ML
V	9000	40.0% Cream	61 -> 82	3	1*10MH
	9000	40.0% Cream	75 <- 95	3	1*10ML
VI	9000	40.0% Cream	5 -> 61	20	3*10MH
	9000	40.0% Cream	23 <- 79	13	3*10ML
VII	42857	IW	3 -> 6	110	2*10MH
	9000	40.0% Cream	6 <- 23	25	2*10ML
VIII	9000	Water	127 -> 85	10	4*10MH
	3250	CW	127 <- 10	1	4*10ML
IX	10800	Water	95 -> 95	4	1*6L
	638	CW	<-	1	3*2L

Section I is closest to the frame plate.

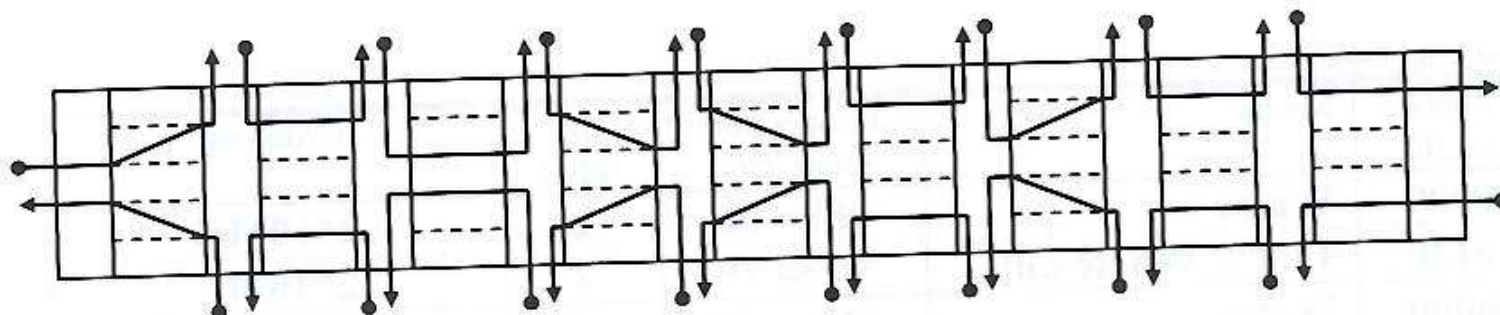
Section	Flowrate (kg/h)	Media	Temperature progr. (°C)	dP (kPa)	Grouping
I	12400	Water	99 -> 81	9	2*10MH
	12240	13.0% Whole milk	96 <- 76	9	2*10ML
II	12400	Water	112 -> 99	10	2*10MH
	12240	13.0% Whole milk	110 <- 96	9	2*10ML
III	12400	Water	128 -> 112	24	5*10MH
	12240	13.0% Whole milk	127 <- 110	23	5*10ML
IV	12400	Water	81 -> 121	19	4*10MH
	12240	13.0% Whole milk	83 <- 127	18	4*10ML
V	12240	13.0% Whole milk	61 -> 76	5	1*10MH
	12240	13.0% Whole milk	68 <- 83	5	1*10ML
VI	12240	13.0% Whole milk	5 -> 61	14	3*10MH
	12240	13.0% Whole milk	16 <- 72	14	3*10ML
VII	28943	IW	3 -> 8	51	2*10MH
	12240	13.0% Whole milk	4 <- 16	10	2*10ML
VIII	12400	Water	127 -> 85	19	4*10MH
	4477	CW	127 <- 10	3	4*10ML
IX	12100	Water	81 -> 81	6	1*6L
	151	CW	<-	0	3*2L

Section I is closest to the frame plate.

Section	Flowrate (kg/h)	Media	Temperature progr. (°C)	dP (kPa)	Grouping
I	6000	Water	98 -> 82	2	2*10MH
	6120	13.0% Whole milk	96 <- 79	2	2*10ML
II	6000	Water	110 -> 98	2	2*10MH
	6120	13.0% Whole milk	109 <- 96	2	2*10ML
III	6000	Water	128 -> 110	6	5*10MH
	6120	13.0% Whole milk	127 <- 109	6	5*10ML
IV	6000	Water	82 -> 123	5	4*10MH
	6120	13.0% Whole milk	84 <- 127	5	4*10ML
V	6120	13.0% Whole milk	65 -> 79	1	1*10MH
	6120	13.0% Whole milk	70 <- 84	1	1*10ML
VI	6120	13.0% Whole milk	5 -> 65	4	3*10MH
	6120	13.0% Whole milk	14 <- 74	4	3*10ML
VII	9090	IW	3 -> 9	5	2*10MH
	6120	13.0% Whole milk	4 <- 14	3	2*10ML
VIII	6000	Water	127 -> 85	5	4*10MH
	2166	CW	127 <- 10	1	4*10ML
IX	12100	Water	82 -> 82	6	1*6L
	168	CW	<-	0	3*2L

PLATES				
(Gaskets are CLIP-ON if not otherwise mentioned)				
Section	Quantity	Material	Thickness	Gasket
All	481	ALLOY 316	0.60 mm	NBRFF
FRAME				
PV Code	Connection standard	Lengths		Accessories included
PED CE Cat.: 4	SMS 76 ☐ Other (state below):	LC:	4800 mm	Protection sheet
		LT:	4760 mm	Bolt protection
		Total length:	5002 mm	Feet: LOW ADJ.
		Plate pack:	3037 mm	
		Net weight:	3050 kg	
Max. working pressure: 20 bar Test pressure: 28,6 bar Design temp.: 150 °C				

Cleaning data (Min): Flow 24000 l/h Press drop 403 kPa



Alfa Laval, Plate Heat Exchanger

Model : Tetra Plex C10-KSH

Manufacturing no.	30106-35856	Date	2010-07-07 KEM
Plate Heat Exchanger Type:	Tetra Plex C10-KSH	Quantity:	1
Drawing no:			
Customer:		Ref:	
86726 - Tetra Pak Dairy & Bev. Systems AB			
Agent:		Ref:	
		905955391/T5844151091	
Supplier:		Ref:	
ALFA LAVAL		O10-35183	

Plates with parallel flow.

The plate pack is tightened to 3037 mm.

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 pressure 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): mm

A =	3037	AA =	240	AF =	384
LT =	4760	AB =	293	AG =	293
C =	5002	AC =	566	AH =	475
		AD =	475	AI =	112
		AE =	202		

Net weight:
3054 kg

Liquid volume:
1138 l

Design pressure:
20 bar

Total Area:
287.1 m²

Connection standard:	SMS 76
Pressure Vessel Code:	PED
PED Risk Category:	4

	- Side 1 -	- Side 2 -	
Test pressure:	28.6	28.6	bar
Design temperature:	150.0	150.0	°C
Min temperature:	0.0	0.0	°C

Bolts: M39
Protection sheet

Section Information

Section Area:	Flowrate kg/h	Media	FDG	Temperature progr. (°C)	dP kPa	Vol. (l):	Inlet	Outlet	Grouping:
1 24.18 m ²	12100	Water	2	98.0 -> 82.4	9.051	48	A11V	S1	2*10MH
	12240	13.0% Whole milk	2	95.3 <- 78.9	9.143	48	S4	A14	2*10ML
2 24.18 m ²	12100	Water	2	110.2 -> 98.0	9.102	48	A21V	A11	2*10MH
	12240	13.0% Whole milk	2	108.3 <- 95.3	9.151	48	A14V	A24	2*10ML
3 61.38 m ²	12100	Water	2	127.7 -> 110.2	22.95	121	A32	A21	5*10MH
	12240	13.0% Whole milk	2	127.0 <- 108.3	22.92	121	A24V	A33	5*10ML
4 48.98 m ²	12100	Water	2	82.1 -> 122.0	18.18	96	A41	A31	4*10MH
	12240	13.0% Whole milk	2	84.8 <- 127.0	18.31	96	A34	A44	4*10ML
5 11.78 m ²	12240	13.0% Whole milk	2	54.0 -> 75.0	4.566	24	A51	A42	1*10MH
	12240	13.0% Whole milk	2	63.8 <- 84.8	4.579	24	A43	A54	1*10ML
6 36.58 m ²	12240	13.0% Whole milk	2	5.0 -> 54.0	13.77	72	A61	A52	3*10MH
	12240	13.0% Whole milk	2	14.8 <- 63.8	13.85	72	A53	A64	3*10ML
7 24.18 m ²	27070	IW	2	3.0 -> 7.6	44.58	48	A72	A62	2*10MH
	12240	13.0% Whole milk	2	4.0 <- 14.8	9.619	48	A63	A73	2*10ML
8 48.98 m ²	12000	Water	2	127.0 -> 85.0	18.09	96	A81V	A71	4*10MH
	4333	CW	2	127.0 <- 10.0	2.418	96	A74	A84	4*10ML
9 6.820 m ²	12100	Water	2	82.0 -> 82.0	5.498	14	T2	A81	1*6L
		CW	2	<-	0.00846 6	14	A84V	T3	3*2L

Alternative: 1

Section Area:	Flowrate kg/h	Media	Temperature progr. (°C)	dP kPa	Vol. (l):	Inlet	Outlet	Grouping:
1	5900	Water	98.4 -> 81.9	2.195	48	A11V	S1	2*10MH
	6120	13.0% Whole milk	96.1 <- 79.1	2.329	48	S4	A14	2*10ML
2		Water	98.4 -> 98.4	2.201	48	A21V	A11	2*10MH
		13.0% Whole milk	<-	2.331	48	A14V	A24	2*10ML
3	5900	Water	128.2 -> 98.4	5.546	121	A32	A21	5*10MH
	6120	13.0% Whole milk	127.0 <- 96.1	5.835	121	A24V	A33	5*10ML
4	5900	Water	80.5 -> 123.2	4.409	96	A41	A31	4*10MH
	6120	13.0% Whole milk	82.9 <- 127.0	4.666	96	A34	A44	4*10ML
5	6120	13.0% Whole milk	54.2 -> 75.1	1.163	24	A51	A42	1*10MH
	6120	13.0% Whole milk	62.0 <- 82.9	1.167	24	A43	A54	1*10ML
6	6120	13.0% Whole milk	5.0 -> 54.2	3.842	72	A61	A52	3*10MH
	6120	13.0% Whole milk	12.8 <- 62.0	3.706	72	A53	A64	3*10ML
7	8543	IW	3.0 -> 8.9	4.579	48	A72	A62	2*10MH
	6120	13.0% Whole milk	4.0 <- 12.8	3.101	48	A63	A73	2*10ML
8	6000	Water	127.0 -> 85.0	4.609	96	A81V	A71	4*10MH
	2166	CW	127.0 <- 10.0	0.6159	96	A74	A84	4*10ML
9	5900	Water	81.9 -> 80.5	1.452	14	T2	A81	1*6L
	115.0	CW	81.9 <- 10.0	0.02869	14	A84V	T3	3*2L

Alternative: 2

Section Area:	Flowrate kg/h	Media	Temperature progr. (°C)	dP kPa	Vol. (l):	Inlet	Outlet	Grouping:
1	10800	Water	120.2 -> 94.9	7.296	48	A11V	S1	2*10MH
	9000	40.0% Cream	117.6 <- 81.7	5.259	48	S4	A14	2*10ML
2	10800	Water	120.2 -> 120.2	7.341	48	A21V	A11	2*10MH
		40.0% Cream	<-	2.477	48	A14V	A24	2*10ML

3	10800	Water	127.0 -> 120.2	18.40	121	A32	A21	5*10MH
	9000	40.0% Cream	127.0 <- 117.6	13.19	121	A24V	A33	5*10ML
4	10800	Water	95.0 -> 117.6	14.53	96	A41	A31	4*10MH
	9000	40.0% Cream	95.4 <- 127.0	10.57	96	A34	A44	4*10ML
5	9000	40.0% Cream	61.0 -> 81.7	2.831	24	A51	A42	1*10MH
	9000	40.0% Cream	75.0 <- 95.4	2.667	24	A43	A54	1*10ML
6	9000	40.0% Cream	5.0 -> 61.0	19.90	72	A61	A52	3*10MH
	9000	40.0% Cream	23.5 <- 79.0	13.40	72	A53	A64	3*10ML
7	42860	IW	3.0 -> 6.0	110.4	48	A72	A62	2*10MH
	9000	40.0% Cream	5.6 <- 23.5	24.85	48	A63	A73	2*10ML
8	9000	Water	127.0 -> 85.0	10.26	96	A81V	A71	4*10MH
	3250	CW	127.0 <- 10.0	1.371	96	A74	A84	4*10ML
9	10800	Water	95.0 -> 95.0	4.400	14	T2	A81	1*6L
		CW	<-	0.5303	14	A84V	T3	3*2L

Measurements

Manufacturing no.	30106-35856	Date	2010-07-07 KEM
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Plate Heat Exchanger Type:	Tetra Plex C10-KSH	Quantity:	1
Drawing no:			

Customer:	Ref:
86726 - Tetra Pak Dairy & Bev. Systems AB	905955391/T5844151091

Total A-measurement:	3037 mm	Total weight:	3054 Kg
A-measure + free space:	4191 mm	Total volume:	1138 l
C - measure:	5002 mm		
B - Measure	4863 mm	H - Measure:	4800 mm

Connection standard:	SMS 76
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Per Section

Section No.	Plate Area: m ²	Volume in ltr:		A-measure: mm
		- Side 1 -	- Side 2 -	
AA	24.18	48.2	48.2	240
AB	24.18	48.2	48.2	293
AC	61.38	120.5	120.5	566
AD	48.98	96.4	96.4	475
AE	11.78	24.1	24.1	202
AF	36.58	72.3	72.3	384
AG	24.18	48.2	48.2	293
AH	48.98	96.4	96.4	475
AI	6.820	14.46	14.46	112

Carrying Bars

Carrying Bar length:	4800 mm
Extendible by (plates):	35 Pcs

Tightening Bolts

Tightening Bolt length:	4760 mm
Tightening Bolt dimension:	M39
Extendible by (plates):	35 Pcs

Centre of gravity:	Empty	Filled
Horizontal:	1620 mm	1187 mm

Foundation Load:	Opened	Operating (N)
Support Column side:	16402	9966
Frame side:	19980	30896

Connection Information

Connection on the FRAME PLATE	
Connection at S1 Connection block: CLIP10 RD CF003 Fitting on connection: SMS 76 CLIP10 RD FI006	Connection at S4 Connection block: CLIP10 RD CF003 Fitting on connection: SMS 76 CLIP10 RD FI006
Connection at S2 No Hole	Connection at S3 No Hole

CONNECTION PLATE A1 CLIP10 RD CC001	
Corner at A11 Corner block: CLIP10 RD CO011 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006 Fitting on vertical connection: SMS 76 CLIP10 RD FI006	Corner at A14 Corner block: CLIP10 RD CO012 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006 Fitting on vertical connection: SMS 76 CLIP10 RD FI006
Corner at A12 Corner block: CLIP10 RD CO001	Corner at A13 Corner block: CLIP10 RD CO001

CONNECTION PLATE A2 CLIP10 RD CC001	
Corner at A21 Corner block: CLIP10 RD CO011 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006 Fitting on vertical connection: SMS 76 CLIP10 RD FI006	Corner at A24 Corner block: CLIP10 RD CO012 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006 Fitting on vertical connection: SMS 76 CLIP10 RD FI006
Corner at A22 Corner block: CLIP10 RD CO001	Corner at A23 Corner block: CLIP10 RD CO001

CONNECTION PLATE A3 CLIP10 RD CC001	
Corner at A31 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006	Corner at A34 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006
Corner at A32 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006	Corner at A33 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006

CONNECTION PLATE A4 CLIP10 RD CC001	
Corner at A41 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006	Corner at A44 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006
Corner at A42 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002	Corner at A43 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002

Fitting on horizontal connection: SMS 76 CLIP10 RD FI006	Fitting on horizontal connection: SMS 76 CLIP10 RD FI006
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CONNECTION PLATE A5 CLIP10 RD CC001	
Corner at A51 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006	Corner at A54 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006
Corner at A52 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006	Corner at A53 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006

CONNECTION PLATE A6 CLIP10 RD CC001	
Corner at A61 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006	Corner at A64 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006
Corner at A62 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006	Corner at A63 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006

CONNECTION PLATE A7 CLIP10 RD CC001	
Corner at A71 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006	Corner at A74 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006
Corner at A72 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006	Corner at A73 Corner block: CLIP10 RD CO007 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006

CONNECTION PLATE A8 CLIP10 RD CC001	
Corner at A81 Corner block: CLIP10 RD CO011 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006 Fitting on vertical connection: SMS 76 CLIP10 RD FI006	Corner at A84 Corner block: CLIP10 RD CO012 Conn. gasket block: CLIP10 RD CG002 Fitting on horizontal connection: SMS 76 CLIP10 RD FI006 Fitting on vertical connection: SMS 76 CLIP10 RD FI006
Corner at A82 Corner block: CLIP10 RD CO001	Corner at A83 Corner block: CLIP10 RD CO001

Connection on the PRESSURE PLATE	
Connection at T1 No Hole	Connection at T4 No Hole
Connection at T2 Connection block: CLIP10 RD CP003 Fitting on connection: SMS 76 CLIP10 RD FI006	Connection at T3 Connection block: CLIP10 RD CP003 Fitting on connection: SMS 76 CLIP10 RD FI006

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

2010-07-07

Customer: 86726 - Tetra Pak Dairy & Bev. Systems ABSU Order No: O10-35183-10
 Model : Tetra Plex C10-KSH Serial No: 30106-35856
 Customer PO: 905955391/T5844151091

Plate material and Thickness: ALLOY 316 0.60 mm

A Dimension: 3037 mm

Sealing material: NBRFF CLIP-ON

Port hole with flow on the gasket side: U

Port hole sealed with O-ring: O

Plates are assembled with the gasket side facing the pressure plate.

Plate no.	Plate code no.	Plate Pattern		Punched corner of the plate				Spare part number incl. gasket
				upper left	lower left	lower right	upper right	
				S1	S2	S3	S4	
	FRAME PLATE							
	Section 1			=<=			=<=	
1	3900706271	CLIP10 L	B	O			--<--- U	39507457 71
2	3900706309	CLIP10 H	A	U	--<---	O	O	39507458 09
3	CLIP10 L	CLIP10 L	B	O	O	U	--<--- U	39507457 03
4	CLIP10 H	CLIP10 H	A	U	--<---	O	O	39507458 03
5	CLIP10 L	CLIP10 L	B	O	O	U	--<--- U	39507457 03
6	CLIP10 H	CLIP10 H	A	U	--<---	O	O	39507458 03
7,	9, ..., 13	CLIP10 L	CLIP10 L	B				
8,	10, ..., 14	CLIP10 H	CLIP10 H	A				
15	CLIP10 L	CLIP10 L	B	O	O	U	--<--- U	39507457 03
16	CLIP10 H	CLIP10 H	A	U	--<---	O	O	39507458 03
17	CLIP10 L	CLIP10 L	B	O	O	U	--<--- U	39507457 03
18	CLIP10 H	CLIP10 H	A	U	--<---	O	O	39507458 03
19	CLIP10 L	CLIP10 L	B	O	O	U	--<--- U	39507457 03
20	3900706305	CLIP10 H	A	U	--<---	O		39507458 05
21	3900706204	CLIP10 L	B		O	U	--->--	39507457 04
22	3900706306	CLIP10 H	A		--->-- U	O	O	39507458 06
23	CLIP10 L	CLIP10 L	B	O	O	U	--->-- U	39507457 03
24	CLIP10 H	CLIP10 H	A	U	--->-- U	O	O	39507458 03
25	CLIP10 L	CLIP10 L	B	O	O	U	--->-- U	39507457 03
26	CLIP10 H	CLIP10 H	A	U	--->-- U	O	O	39507458 03
27,	29, ..., 33	CLIP10 L	CLIP10 L	B				
28,	30, ..., 34	CLIP10 H	CLIP10 H	A				
35	CLIP10 L	CLIP10 L	B	O	O	U	--->-- U	39507457 03
36	CLIP10 H	CLIP10 H	A	U	--->-- U	O	O	39507458 03
37	CLIP10 L	CLIP10 L	B	O	O	U	--->-- U	39507457 03
38	CLIP10 H	CLIP10 H	A	U	--->-- U	O	O	39507458 03
39	CLIP10 L	CLIP10 L	B	O	O	U	--->-- U	39507457 03
40	3900706310	CLIP10 H	A	U	--->-- U		O	39507458 10
41	3900706291	CLIP10 L	B	O			O	39507457 91
				=>=			=>=	
A1	CONNECTION PLATE							
	Section 2			=<=			=<=	
1	3900706271	CLIP10 L	B	O			--<--- U	39507457 71

2	3900706309	CLIP10 H	A	U --<---	O	O	39507458 09
3	CLIP10 L	CLIP10 L	B	O	O	U --<---	39507457 03
4	CLIP10 H	CLIP10 H	A	U --<---	U	O	39507458 03
5	CLIP10 L	CLIP10 L	B	O	O	U --<---	39507457 03
6	CLIP10 H	CLIP10 H	A	U --<---	U	O	39507458 03
7,	9, ..., 13	CLIP10 L	CLIP10 L	B			
8,	10, ..., 14	CLIP10 H	CLIP10 H	A			
15	CLIP10 L	CLIP10 L	B	O	O	U --<---	39507457 03
16	CLIP10 H	CLIP10 H	A	U --<---	U	O	39507458 03
17	CLIP10 L	CLIP10 L	B	O	O	U --<---	39507457 03
18	CLIP10 H	CLIP10 H	A	U --<---	U	O	39507458 03
19	CLIP10 L	CLIP10 L	B	O	O	U --<---	39507457 03
20	3900706305	CLIP10 H	A	U --<---	U	O	39507458 05
21	3900706204	CLIP10 L	B		O	U --->--	39507457 04
22	3900706306	CLIP10 H	A	---	U	O	39507458 06
23	CLIP10 L	CLIP10 L	B	O	O	U --->--	39507457 03
24	CLIP10 H	CLIP10 H	A	U --->--	U	O	39507458 03
25	CLIP10 L	CLIP10 L	B	O	O	U --->--	39507457 03
26	CLIP10 H	CLIP10 H	A	U --->--	U	O	39507458 03
27,	29, ..., 33	CLIP10 L	CLIP10 L	B			
28,	30, ..., 34	CLIP10 H	CLIP10 H	A			
35	CLIP10 L	CLIP10 L	B	O	O	U --->--	39507457 03
36	CLIP10 H	CLIP10 H	A	U --->--	U	O	39507458 03
37	CLIP10 L	CLIP10 L	B	O	O	U --->--	39507457 03
38	CLIP10 H	CLIP10 H	A	U --->--	U	O	39507458 03
39	CLIP10 L	CLIP10 L	B	O	O	U --->--	39507457 03
40	3900706310	CLIP10 H	A	U --->--	U	O	39507458 10
41	3900706291	CLIP10 L	B	O		O	39507457 91

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A2 CONNECTION PLATE

Section 3

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1	3900706271	CLIP10 L	B	O		--<---	U	39507457 71
2	3900706309	CLIP10 H	A	U --<---		O	O	39507458 09
3	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
4	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
5	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
6	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
7,	9, ..., 13	CLIP10 L	CLIP10 L	B				
8,	10, ..., 14	CLIP10 H	CLIP10 H	A				
15	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
16	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
17	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
18	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
19	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
20	3900706305	CLIP10 H	A	U --<---	U	O		39507458 05
21	3900706204	CLIP10 L	B		O	U --->--		39507457 04
22	3900706306	CLIP10 H	A	---	U	O	O	39507458 06
23	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
24	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
25	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
26	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
27,	29, ..., 33	CLIP10 L	CLIP10 L	B				
28,	30, ..., 34	CLIP10 H	CLIP10 H	A				
35	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
36	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
37	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
38	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
39	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
40	3900706310	CLIP10 H	A	U --->--	U		O	39507458 10
41	3900706211	CLIP10 L	B	O		--<---	U	39507457 11
42	3900706309	CLIP10 H	A	U --<---		O	O	39507458 09
43	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03

44	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
45	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
46	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
47,	49, ..., 53	CLIP10 L	CLIP10 L	B				
48,	50, ..., 54	CLIP10 H	CLIP10 H	A				
55	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
56	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
57	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
58	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
59	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
60	3900706305	CLIP10 H	A	U --<---	U	O		39507458 05
61	3900706204	CLIP10 L	B		O	U --->--		39507457 04
62	3900706306	CLIP10 H	A	--->--	U	O	O	39507458 06
63	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
64	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
65	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
66	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
67,	69, ..., 73	CLIP10 L	CLIP10 L	B				
68,	70, ..., 74	CLIP10 H	CLIP10 H	A				
75	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
76	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
77	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
78	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
79	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
80	3900706310	CLIP10 H	A	U --->--	U		O	39507458 10
81	3900706211	CLIP10 L	B	O		--<---	U	39507457 11
82	3900706309	CLIP10 H	A	U --<---		O	O	39507458 09
83	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
84	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
85	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
86	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
87,	89, ..., 93	CLIP10 L	CLIP10 L	B				
88,	90, ..., 94	CLIP10 H	CLIP10 H	A				
95	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
96	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
97	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
98	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
99	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
100	3900706305	CLIP10 H	A	U --<---	U	O		39507458 05
101	3900706284	CLIP10 L	B		O	O		39507457 84

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A3 CONNECTION PLATE

Section 4

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1	3900706271	CLIP10 L	B	O		--<---	U	39507457 71
2	3900706309	CLIP10 H	A	U --<---		O	O	39507458 09
3	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
4	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
5	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
6	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
7,	9, ..., 13	CLIP10 L	CLIP10 L	B				
8,	10, ..., 14	CLIP10 H	CLIP10 H	A				
15	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
16	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
17	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
18	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
19	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
20	3900706305	CLIP10 H	A	U --<---	U	O		39507458 05
21	3900706204	CLIP10 L	B		O	U --->--		39507457 04
22	3900706306	CLIP10 H	A	--->--	U	O	O	39507458 06
23	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
24	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
25	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03

26	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
27,	29, ..., 33	CLIP10 L CLIP10 L	B				
28,	30, ..., 34	CLIP10 H CLIP10 H	A				
35	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
36	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
37	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
38	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
39	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
40	3900706310	CLIP10 H	A	U --->-- U		O	39507458 10
41	3900706211	CLIP10 L	B	O		--<--- U	39507457 11
42	3900706309	CLIP10 H	A	U --<---	O	O	39507458 09
43	CLIP10 L	CLIP10 L	B	O	O	U --<--- U	39507457 03
44	CLIP10 H	CLIP10 H	A	U --<---	O	O	39507458 03
45	CLIP10 L	CLIP10 L	B	O	O	U --<--- U	39507457 03
46	CLIP10 H	CLIP10 H	A	U --<---	O	O	39507458 03
47,	49, ..., 53	CLIP10 L CLIP10 L	B				
48,	50, ..., 54	CLIP10 H CLIP10 H	A				
55	CLIP10 L	CLIP10 L	B	O	O	U --<--- U	39507457 03
56	CLIP10 H	CLIP10 H	A	U --<---	O	O	39507458 03
57	CLIP10 L	CLIP10 L	B	O	O	U --<--- U	39507457 03
58	CLIP10 H	CLIP10 H	A	U --<---	O	O	39507458 03
59	CLIP10 L	CLIP10 L	B	O	O	U --<--- U	39507457 03
60	3900706305	CLIP10 H	A	U --<---	O		39507458 05
61	3900706204	CLIP10 L	B		O	U --->--	39507457 04
62	3900706306	CLIP10 H	A	--->-- U	O	O	39507458 06
63	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
64	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
65	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
66	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
67,	69, ..., 73	CLIP10 L CLIP10 L	B				
68,	70, ..., 74	CLIP10 H CLIP10 H	A				
75	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
76	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
77	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
78	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
79	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
80	3900706310	CLIP10 H	A	U --->-- U		O	39507458 10
81	3900706291	CLIP10 L	B	O		O	39507457 91

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A4 CONNECTION PLATE

Section 5

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1	3900706264	CLIP10 L	B	O	U --->--		39507457 64
2	3900706306	CLIP10 H	A	--->-- U	O	O	39507458 06
3	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
4	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
5	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
6	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
7,	9, ..., 13	CLIP10 L CLIP10 L	B				
8,	10, ..., 14	CLIP10 H CLIP10 H	A				
15	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
16	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
17	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
18	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
19	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
20	3900706310	CLIP10 H	A	U --->-- U		O	39507458 10
21	3900706291	CLIP10 L	B	O		O	39507457 91

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A5 CONNECTION PLATE

Section 6

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1	3900706264	CLIP10 L	B	O	U --->--		39507457 64
2	3900706306	CLIP10 H	A	--->-- U	O	O	39507458 06
3	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03

4	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
5	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
6	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
7,	9,, 13	CLIP10 L CLIP10 L	B				
8,	10,, 14	CLIP10 H CLIP10 H	A				
15	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
16	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
17	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
18	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
19	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
20	3900706310	CLIP10 H	A	U --->-- U		O	39507458 10
21	3900706211	CLIP10 L	B	O		--<--- U	39507457 11
22	3900706309	CLIP10 H	A	U --<---	O	O	39507458 09
23	CLIP10 L	CLIP10 L	B	O	O	U --<--- U	39507457 03
24	CLIP10 H	CLIP10 H	A	U --<--- U	O	O	39507458 03
25	CLIP10 L	CLIP10 L	B	O	O	U --<--- U	39507457 03
26	CLIP10 H	CLIP10 H	A	U --<--- U	O	O	39507458 03
27,	29,, 33	CLIP10 L CLIP10 L	B				
28,	30,, 34	CLIP10 H CLIP10 H	A				
35	CLIP10 L	CLIP10 L	B	O	O	U --<--- U	39507457 03
36	CLIP10 H	CLIP10 H	A	U --<--- U	O	O	39507458 03
37	CLIP10 L	CLIP10 L	B	O	O	U --<--- U	39507457 03
38	CLIP10 H	CLIP10 H	A	U --<--- U	O	O	39507458 03
39	CLIP10 L	CLIP10 L	B	O	O	U --<--- U	39507457 03
40	3900706305	CLIP10 H	A	U --<--- U	O		39507458 05
41	3900706204	CLIP10 L	B		O	U --->--	39507457 04
42	3900706306	CLIP10 H	A	--->-- U	O	O	39507458 06
43	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
44	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
45	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
46	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
47,	49,, 53	CLIP10 L CLIP10 L	B				
48,	50,, 54	CLIP10 H CLIP10 H	A				
55	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
56	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
57	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
58	CLIP10 H	CLIP10 H	A	U --->-- U	O	O	39507458 03
59	CLIP10 L	CLIP10 L	B	O	O	U --->-- U	39507457 03
60	3900706310	CLIP10 H	A	U --->-- U		O	39507458 10
61	3900706291	CLIP10 L	B	O		O	39507457 91

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A6 CONNECTION PLATE

Section 7

1	3900706264	CLIP10 L	B		O	U --->--		39507457 64
2	3900706306	CLIP10 H	A		---	U	O	39507458 06
3	CLIP10 L	CLIP10 L	B	O		O	U --->--	39507457 03
4	CLIP10 H	CLIP10 H	A	U	---	U	O	39507458 03
5	CLIP10 L	CLIP10 L	B	O		O	U --->--	39507457 03
6	CLIP10 H	CLIP10 H	A	U	---	U	O	39507458 03
7,	9, ..., 15	CLIP10 L	CLIP10 L	B				
8,	10, ..., 16	CLIP10 H	CLIP10 H	A				
17	CLIP10 L	CLIP10 L	B	O		O	U --->--	39507457 03
18	CLIP10 H	CLIP10 H	A	U	---	U	O	39507458 03
19	CLIP10 L	CLIP10 L	B	O		O	U --->--	39507457 03
20	CLIP10 H	CLIP10 H	A	U	---	U	O	39507458 03
21	3900706211	CLIP10 L	B	O		*	--<---	39507457 11
22	CLIP10 H	CLIP10 H	A	U	--<---	U	O	39507458 03
23	CLIP10 L	CLIP10 L	B	O		O	U --<---	39507457 03
24	CLIP10 H	CLIP10 H	A	U	--<---	U	O	39507458 03
25	CLIP10 L	CLIP10 L	B	O		O	U --<---	39507457 03
26,	28, ..., 34	CLIP10 H	CLIP10 H	A				
27,	29, ..., 35	CLIP10 L	CLIP10 L	B				

36	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
37	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
38	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
39	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
40	3900706305	CLIP10 H	A	U --<---	U	O		39507458 05
41	3900706284	CLIP10 L	B		O	O		39507457 84

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A7 CONNECTION PLATE

Section 8

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1	3900706271	CLIP10 L	B	O		--<---	U	39507457 71
2	3900706309	CLIP10 H	A	U --<---		O	O	39507458 09
3	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
4	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
5	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
6	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
7,	9, ..., 13	CLIP10 L	CLIP10 L	B				
8,	10, ..., 14	CLIP10 H	CLIP10 H	A				
15	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
16	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
17	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
18	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
19	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
20	3900706305	CLIP10 H	A	U --<---	U	O		39507458 05
21	3900706204	CLIP10 L	B		O	U --->--		39507457 04
22	3900706306	CLIP10 H	A		--->--	U	O	39507458 06
23	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
24	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
25	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
26	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
27,	29, ..., 33	CLIP10 L	CLIP10 L	B				
28,	30, ..., 34	CLIP10 H	CLIP10 H	A				
35	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
36	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
37	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
38	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
39	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
40	3900706310	CLIP10 H	A	U --->--	U		O	39507458 10
41	3900706211	CLIP10 L	B	O		--<---	U	39507457 11
42	3900706309	CLIP10 H	A	U --<---		O	O	39507458 09
43	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
44	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
45	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
46	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
47,	49, ..., 53	CLIP10 L	CLIP10 L	B				
48,	50, ..., 54	CLIP10 H	CLIP10 H	A				
55	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
56	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
57	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
58	CLIP10 H	CLIP10 H	A	U --<---	U	O	O	39507458 03
59	CLIP10 L	CLIP10 L	B	O	O	U --<---	U	39507457 03
60	3900706305	CLIP10 H	A	U --<---	U	O		39507458 05
61	3900706204	CLIP10 L	B		O	U --->--		39507457 04
62	3900706306	CLIP10 H	A		--->--	U	O	39507458 06
63	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
64	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
65	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
66	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
67,	69, ..., 73	CLIP10 L	CLIP10 L	B				
68,	70, ..., 74	CLIP10 H	CLIP10 H	A				
75	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03
76	CLIP10 H	CLIP10 H	A	U --->--	U	O	O	39507458 03
77	CLIP10 L	CLIP10 L	B	O	O	U --->--	U	39507457 03

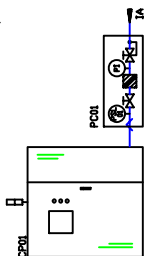
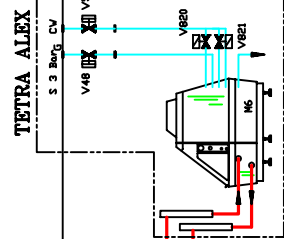
78	CLIP10 H	CLIP10 H	A	U	--->--	U	O	O	39507458 03		
79	CLIP10 L	CLIP10 L	B	O		O	U	--->--	U	39507457 03	
80	3900706310	CLIP10 H	A	U	--->--	U		O	39507458 10		
81	3900706291	CLIP10 L	B	O				O	39507457 91		
				=>=						=>=	
A8	CONNECTION PLATE										
Section 9				=<=						=<=	
1	3900706271	CLIP10 L	B	O			--<---	U	39507457 71		
2	3900706209	CLIP10 L	A	U	--<---		O	O	39507457 09		
3	CLIP10 L	CLIP10 L	B	O		O	U	--<---	U	39507457 03	
4	3900706205	CLIP10 L	A	U	--<---	U	O		39507457 05		
5	3900706209	CLIP10 L	B	O		O	U	--->--	39507457 09		
6	CLIP10 L	CLIP10 L	A	U	--<---	U	O	O	39507457 03		
7	CLIP10 L	CLIP10 L	B	O		O	U	--->--	U	39507457 03	
8	3900706210	CLIP10 L	A	U	--<---	U		O	39507457 10		
9	3900706206	CLIP10 L	B	O		O	--<---	U	39507457 06		
10	CLIP10 L	CLIP10 L	A	U	--<---	U	O	O	39507457 03		
11	CLIP10 L	CLIP10 L	B	O		O	U	--<---	U	39507457 03	
12	3900706205	CLIP10 L	A	U	--<---	U	O		39507457 05		
13	3900706284	CLIP10 L	B			O	O		39507457 84		
PRESSURE PLATE					=>=						=>=
				T1	T2	T3	T4				

* = Port with drilled hole for drainage or ventilation, 8 mm.

Article No:	Quantity:
39507457 71	6
39507458 09	10
39507457 03	212
39507458 03	186
39507458 05	11
39507457 04	9
39507458 06	12
39507458 10	11
39507457 91	6
39507457 11	6
39507457 84	3
39507457 64	3
39507457 09	2
39507457 05	2
39507457 10	1
39507457 06	1

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FLOW DIAGRAM SYMBOLS														
1	2	3	4	5	6	7	8	9	10	11				
A	PIPING SYMBOLS			INSTRUMENTS			HYGIENIC VALVES			NON-HYGIENIC VALVES				
	PROCESS MEDIA, RED			COMMON INSTRUMENT LOCALLY MOUNTED			ASEPTIC VALVE GENERAL SYMBOL			NORMALLY OPEN VALVE WAY				
	CLEANING MEDIA, MAGENTA			COMMON INSTRUMENT PANEL MOUNTED OR SOFT-WARE FUNCTION			MANUAL PLUG COCK 2-WAY			NORMALLY CLOSED VALVE WAY				
	SERVICE MEDIA, CYAN			DUMMY			MANUAL PLUG COCK 3-WAY			MANUAL SHUT-OFF VALVE				
	ELECTRICAL CONTROL, GREEN			FIRST LETTER	Measured or initiation variable	Density	MANUAL SANITARY CONTROL VALVE			MANUAL CHANGE-OVER VALVE				
	AIR CONTROL, BLUE						FLOW CONTROL VALVE			MANUAL CONTROL VALVE				
	LIQUID CONTROL, ORANGE						SANITARY MODULATING VALVE			AIR RELEASE VALVE				
	FLEXIBLE HOSE						SANITARY NON-RETURN VALVE			VACUUM RELEASE VALVE				
	PIPE WITH HEATING OR COOLING JACKET						SANITARY MANUAL VALVE			PRESSURE RELEASE VALVE				
	PIPE WITH HEATING OR COOLING COIL						SANITARY AUTOMATIC VALVE			CONSTANT FLOW/PRESSURE VALVE				
	CAP ON PIPE END						SANITARY MANUAL BUTTERFLY VALVE			NON-RETURN VALVE				
	UNION						SANITARY AUTOMATIC BUTTERFLY VALVE NORMALLY CLOSED, NC			AUTOMATIC SHUT-OFF VALVE				
	INSULATED PIPE						SANITARY AUTOMATIC BUTTERFLY VALVE NORMALLY OPEN, NO			AUTOMATIC CHANGE- OVER VALVE				
	LIMIT OF DELIVERY						SANITARY MIXPROOF VALVE CLEANING OF SPINDLE AND CHAMBER			AUTOMATIC MODULATING VALVE 2-WAY				
B	ORIFICE			SECOND LETTER	Display of output function	CONTROLLING	SANITARY MIXPROOF VALVE TANK OUTLET			AUTOMATIC MODULATING VALVE 3-WAY				
							ASEPTIC SAMPLING VALVE			SOLENOID VALVE				
							SANITARY SAMPLING VALVE			DRAIN/FUNNEL Atmospheric pressure				
							AIR BLOW VALVE			EXPANSION VESSEL				
										SILENCER				
										PLATE HEAT EXCHANGER				
										TUBULAR HEAT EXCHANGER				
C				*TYPE OF QUALITY	Qualifying letter	HIGH								
D				Brix		TURBIDITY								
E														
F														
G														
H														
PSD Flow Diagram Symbols														
Machine No				Designer		Appr. By		Date		File Name				
				MBN		MBN		2004-04-28						
Company				Tetra Pak Dairy & Beverage Systems AB		Format		A1		Template				



Pressure of PC51A 3.2 bar	Pressure of PC53B 3.2 bar	Pressure of PC76 5 bar
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LIMIT OF DELIVERY
TETRA PAK TPD&B
~~XX~~ — —
CUSTOMER

Tetra Therm ® Aseptic Flex				
Flow Diagram				
Component		Material	Part No.	Rev
TB584151091		NBR	BCCGO	100614
				30245-09006.dwg
Tetra Pak Sweden				
A0				
				Flow Diagram HSG Pak CMRTPS_Rev26.dwg
				30245-09006
				