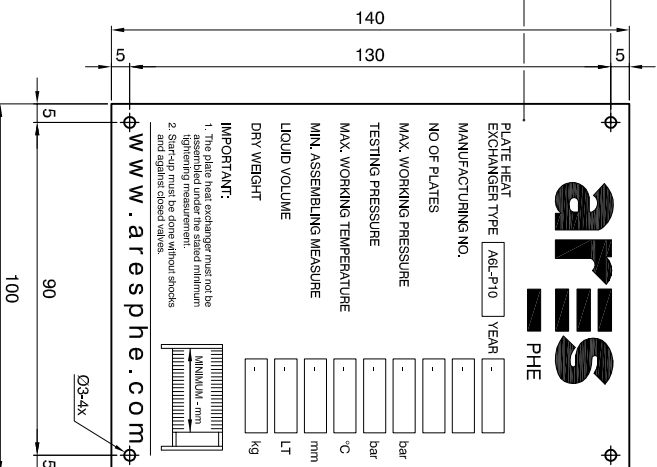
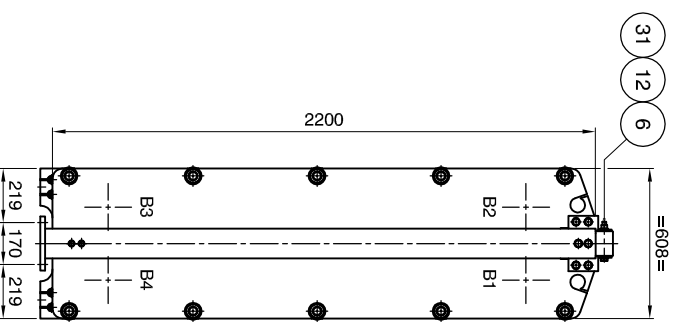


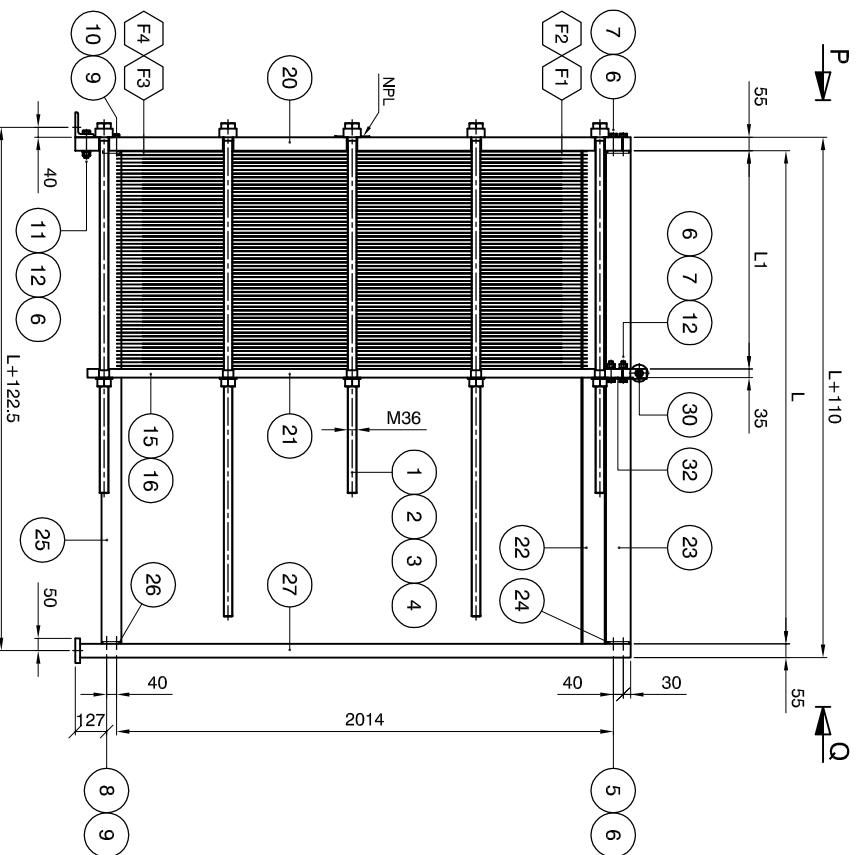
FOUNDATION PLAN



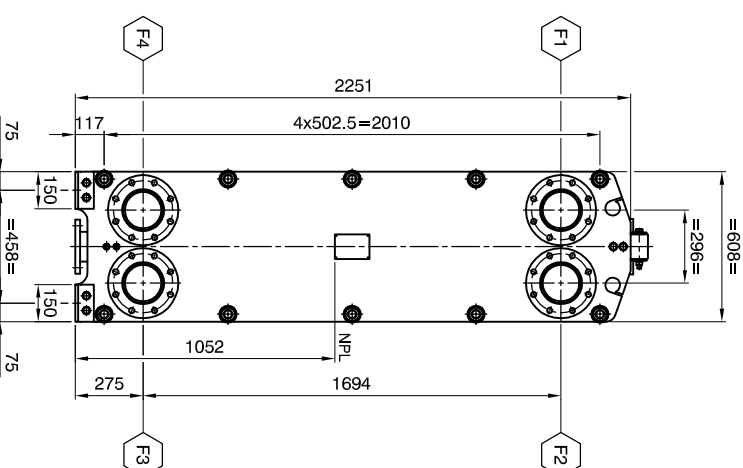
DETAIL NAMEPLATE



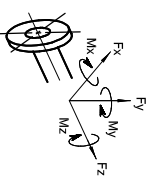
VIEW Q  
REAR SIDE  
SCALE: 1/15



ELEVATION  
SCALE: 1/15



VIEW P  
FRONT SIDE  
SCALE: 1/15



MAX. ALLOWABLE FORCES and MOMENTS ON NOZZLES						
NOZZLE	Forces (N)			Moments (Nm)		
	Longitud. Fy	Circum. Fx	Radial Fz	Longitud. My	Torsional Mz	Flexional Mx
F1, F2, F3, F4	694.6	694.6	694.6	719.9	719.9	719.9

NOZZLE LOADS ACCORDING TO API 662, TABLE 1

FOUNDATION LOADS			
	FRONT SIDE (N)	REAR SIDE (N)	
DEAD LOAD (DL)	20768.3	7199.4	
OPERATING LOAD (OL + NOZZLE LOAD)	28073.4	10014.9	

PLATE HEAT EXCHANGER TYPE	ARL-PH10	YEAR	
MANUFACTURING NO.			
NO OF PLATES			
MAX. WORKING PRESSURE		bar	
TESTING PRESSURE		bar	
MAX. WORKING TEMPERATURE		°C	
MIN. ASSEMBLING MEASURE		mm	
LIQUID VOLUME		LT	
DRY WEIGHT		kg	

IMPORTANT:  
 1. This plate heat exchanger must not be installed under the stated minimum ambient temperature.  
 2. Shipping must be done without shocks and slight closed valves.

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DESIGN DATA

DESIGN ACC. TO	AD 2000 - Merkblatt / PED 97/23/EG
MEDIUM	-
CATEGORY	SEP
OPERATING DATA	HOT SIDE COLD SIDE
PRODUCT	-
TEST PRESSURE (AD2000 / PED)	Bar
MIN. / MAX. ALL. PRESSURE (PS)	Bar
MIN. / MAX. ALL. TEMPERATURE (TS)	°C
CONTENT (V)	L
HE-SURFACE	m <sup>2</sup>
WEIGHT NETTO	kg
INLET TEMPERATURE	°C
OUTLET TEMPERATURE	°C
LENGTH OF PACK	a <sub>max</sub> =L1 a <sub>min</sub> =L1
LENGTH OF CARRY BAR	b=L

NOZZLE CONNECTIONS

POS	DIR	MEDIA	TYPE	DN
F1	IN	HOT SIDE	-	150
F2	OUT	COLD SIDE	-	150
F3	IN	COLD SIDE	-	150
F4	OUT	HOT SIDE	-	150

REFERENCE DRAWINGS & DOCUMENTS

DESCRIPTION	ARES PHE DRAWING
DETAILS	ARL-10010-0-2
CALCULATION	ARL-10010-0-0-CAL

REV	DATE	NAME	DESCRIPTION
0	29-01-15	HE	FOR APPROVAL
1	07-07-14	HE	FOR APPROVAL

Item	qty	description	dimensions	material	remarks	cert
33	4	NOZZLE CONNECTION	-	-	-	-
32	2	ANGLE	L60x40x5 L=175	S235JR	-	-
31	1	BOLT	M16x150	8.8	-	-
30	1	ROLLER	Ø70 L=100	HARD BLACK PLASTIC	-	-
29	2	ANGLE	L100x75x12 L=150	S235JR	-	-
28	1	BASE PLATE	220x100x20	S235JR	-	-
27	1	SUPPORT COLUMN	UPN120 L=2231	S235JR	-	-
26	1	PLATE	72x22x10	S235JR	-	-
25	1	GUIDE BAR (SQUARE TUBE)	80x30x3	S235JR	-	-
24	2	PLATE	90x90x10	S235JR	-	-
23	1	SQUARE TUBE	100x100x4	S235JR	-	-
22	1	CARRY BAR	IPN 100	S235JR	-	-
21	1	FOLLOWER ENDPLATE	2200x608x35	S355 J2G3	3.1	-
20	4	HEAD ENDPLATE	2251x608x55	S355 J2G3	3.1	-
19	4	FLAT WASHER	M16	CS	-	-
18	4	NUT	M16	8.8	-	-
17	4	WEDGE ANCH. BOLT	M16 L=120	8.8	-	-
16	-	GASKET	-	-	-	-
15	-	HE PLATE	-	-	-	3.1
14	4	RIVET	Ø2.4 L=8	SS	-	-
13	1	NAMEPLATE ARES	140x100x3	SS	-	-
12	9	HEX. NUT	M16	8.8	-	-
11	4	BOLT	M16x100	8.8	-	-
10	2	BOLT	M12x75	8.8	-	-
9	4	WASHER	M12	CS	-	-
8	2	BOLT	M12x35	8.8	-	-
7	6	BOLT	M16x75	8.8	-	-
6	22	WASHER	M16	CS	-	-
5	2	BUSHING	M16x30	S235JR	-	-
4	10	LOCK WASHER	Ø68x35	S235JR	-	-
3	20	HEX. NUT	Ø70x50	S235JR	-	-
2	10	DOUBLE-END STUD	M36	8.8	-	-
1	1	DOUBLE-END STUD	M36	8.8	-	3.1

PART LIST

Designed by	Date/Approved by	Date/Rev. no.	Revision Text	Format	Scale
HITARD	A. YABAU	1	FOR APPROVAL	A1	1:1.5+VAR.

Rev. date	Rev. by	Drawing no.	Sheet
29-01-15	HE	ARL-10010-01	1 OF 1



GENERAL ARRANGEMENT