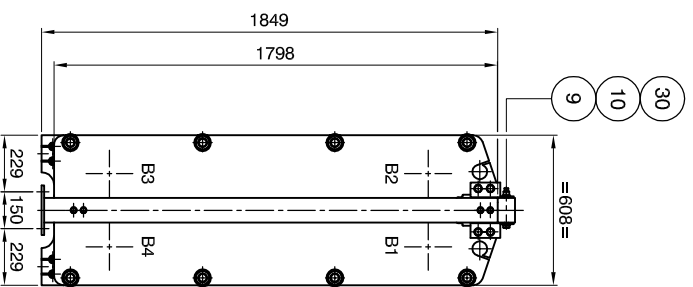
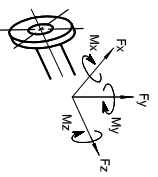


ISO VIEW Δ



VIEW Q Δ
REAR SIDE
SCALE: 1/15



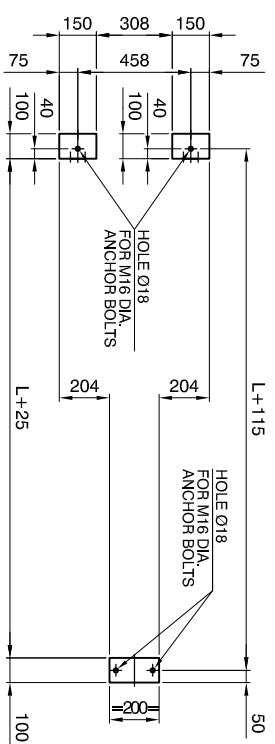
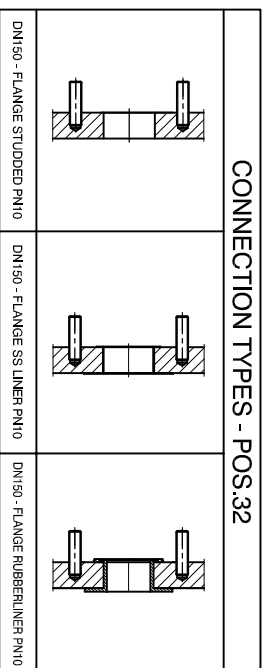
MAX. ALLOWABLE FORCES AND MOMENTS ON NOZZLES

NOZZLE	Forces (N)			Moments (Nm)		
	Longitud.	Circum.	Radial	Longitud.	Torsional	Mz
	F _x	F _y	F _z	M _x	M _y	M _z
F1, F2, F3, F4	694,6	694,6	694,6	719,9	719,9	719,9

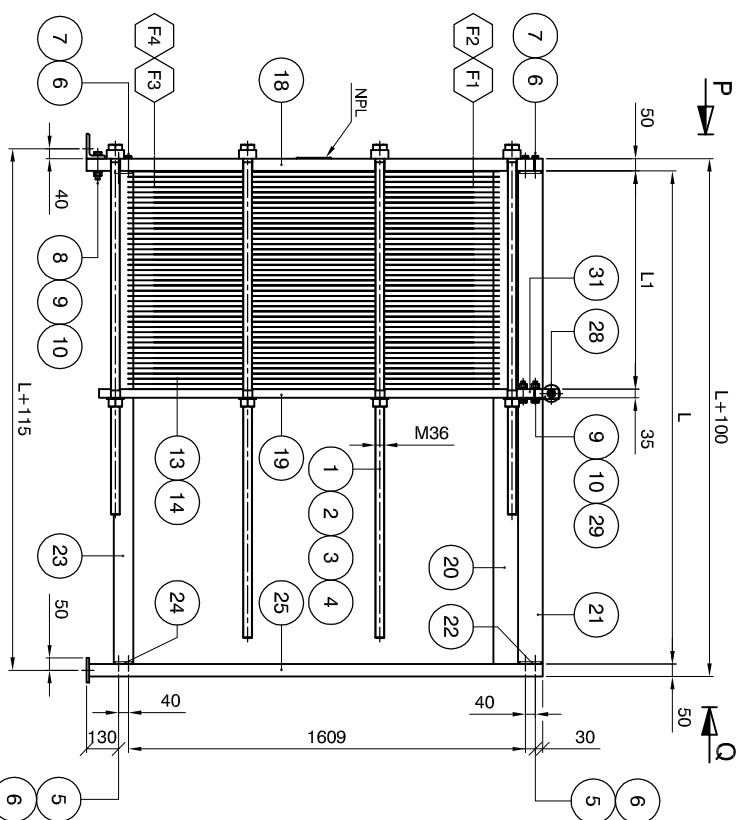
NOZZLE LOADS ACCORDING TO API 682 TABLE 1

FOUNDATION LOADS

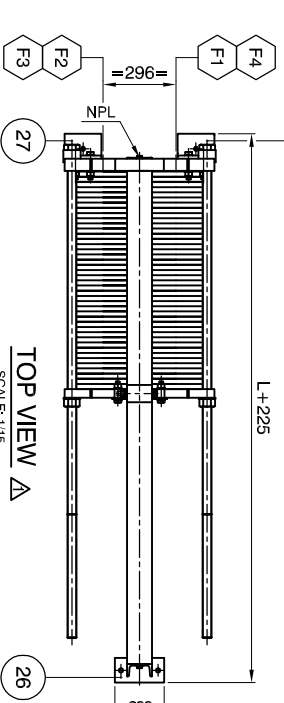
	FRONT SIDE (N)	REAR SIDE (N)
DEAD LOAD (DU)	16245,7	5731,0
OPERATING LOAD (DL + NOZZLE LOAD)	21995,7	8002,4



FOUNDATION PLAN



ELEVATION P Δ
SCALE: 1/15



TOP VIEW Δ
SCALE: 1/15

- GENERAL NOTES**
1. - ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED
 2. - FLANGE BOLTHOLES STRADDLE CENTERLINES
 3. - NOZZLE FLANGE FACES SMOOTH FINISH 3.2-6.4 μm Ra
 4. - ROUGHNESS OF GASKETS SURFACE SHALL BE Ra 3.2...6.3 μm MAX. UNLESS NOTED OTHERWISE

SEE DETAIL A 12

DETAIL A 11

DETAIL A 12

SCALE: 1/1

ares PHE

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. The plate heat exchanger must not be assembled under the stated minimum temperature.
2. Springs must be done without shocks and against closed valves.

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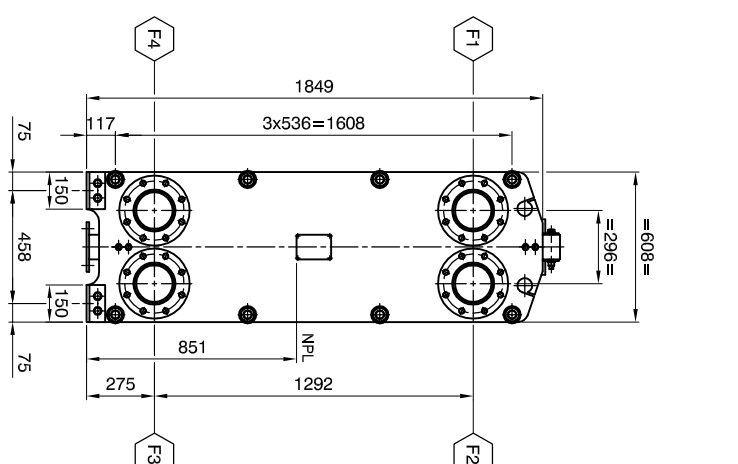
MANUFACTURER: _____

DESIGN ACC. TO AD 2000 - Merkblatt / PED 97/23/EG

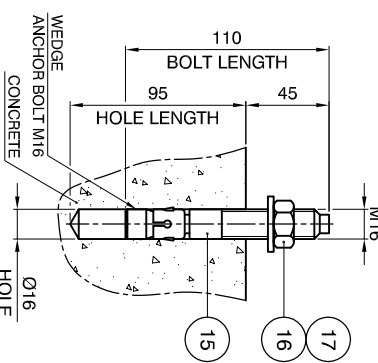
DESIGN DATA

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 ²
WEIGHT NETTO	kg
INLET TEMPERATURE	°C
OUTLET TEMPERATURE	°C
LENGTH OF PACK	8 _{max} = L1 8 _{min} = L1
LENGTH OF CARRY BAR	b = L

DETAIL NAMEPLATE
SCALE: 1/1



VIEW P Δ
FRONT SIDE
SCALE: 1/15



DETAIL ANCHOR BOLT
SCALE: 1/2

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

Dimensions without tolerance:

REFERENCE DRAWINGS & DOCUMENTS

DESCRIPTION	ARES PHE DRAWING
DETAILS	A6M-10010-02
CALCULATION	A6M-10010-00-CAL

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

Item	qty	description	dimensions	material	remarks
32	4	NOZZLE CONNECTION	-	-	3.1
31	2	ANGLE	L60x40x5 L=175	S235JR	-
30	1	BOLT	M16x150	8.8	-
29	4	BOLT	M16x75	8.8	-
28	1	ROLLER	Ø70 L=100	HARD BLACK PLASTIC	-
27	2	ANGLE	L100x75x12 L=150	S235JR	-
26	1	BASE PLATE	200x100x10	S235JR	-
25	1	SUPPORT COLUMN	UPN100 L=1839	S235JR	-
24	2	PLATE	72x22x10	S235JR	-
23	1	GUIDE BAR (SQUARE TUBE)	80x30x3	S235JR	-
22	2	PLATE	90x90x10	S235JR	-
21	1	CARRY BAR SUPPORT	100x100x4	S235JR	-
20	1	CARRY BAR	IPN 100	S235JR	-
19	1	FOLLOWER ENDPLATE	1798x608x35	S355J2G3	3.1
18	1	HEAD ENDPLATE	1849x608x30	S355J2G3	3.1
17	4	FLAT WASHER	M16	CS	-
16	4	NUT	M16	8	-
15	4	WEDGE ANCH. BOLT	M16 L=110	8.8	-
14	-	GASKET	-	-	-
13	-	HE PLATE	-	-	3.1
12	4	RIVET	Ø2.4 L=8	SS	-
11	1	NAMEPLATE ARES	140x100x3	SS	-
10	18	WASHER	M16	CS	-
9	9	HEX NUT	M16	8	-
8	4	BOLT	M16x100	8.8	-
7	4	BOLT	M12x70	8.8	-
6	8	WASHER	M12	CS	-
5	4	BOLT	M12x30	8.8	-
4	8	BUSHING	Ø68x35	S235JR	-
3	8	LOCK WASHER	Ø70x50	S235JR	-
2	16	HEX NUT	M36	8	-
1	8	DOUBLE-END STUD	M36	8.8	3.1

PART LIST

Designed by: A. YABAU
Date Approved by: _____
Date Approved by: _____
Date Approved by: _____
Date Approved by: _____

Revision Text: FOR APPROVAL
Format: A1
Scale: 1:15+-VAR.

Description: PHE MODEL: A6M PN101 = 600 ÷ 2000 MM
GENERAL ARRANGEMENT

ares PHE

Rev. date: 29-01-15
Rev. by: HE
Drawing no.: A6M-10010-01
Sheet: 1 OF 1