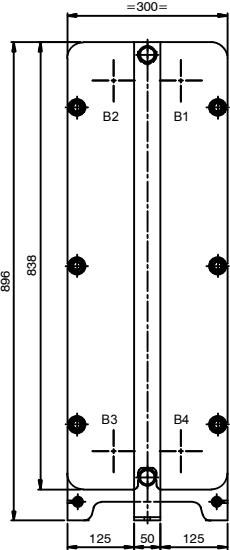
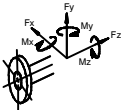


ISO VIEW



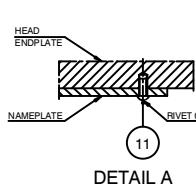
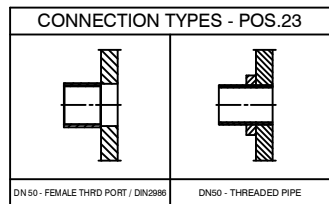
VIEW Q  
SCALE: 1/5



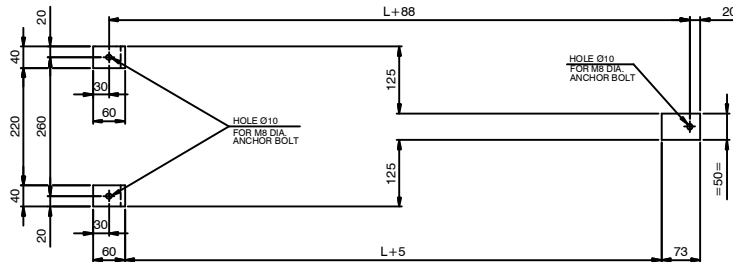
NOZZLE	Forces (N)			Moments (Nm)		
	Longitud. Fy	Circum. Fx	Axial Fz	Longitud. Mx	Circum. My	Torsional Mz
F1, F2, F3, F4	186	186	186	74	74	74

NOZZLE LOADS ACCORDING TO API 662, TABLE 1

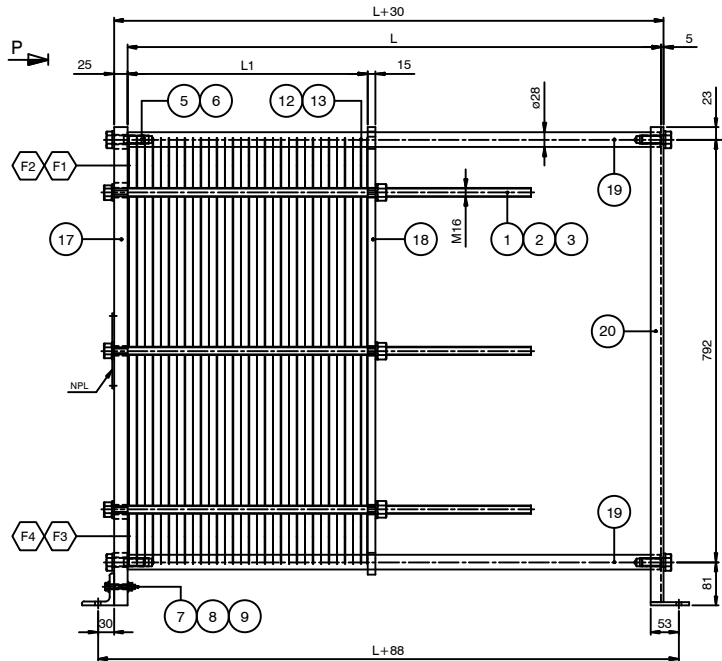
FOUNDATION LOADS	FRONT SIDE (N)	REAR SIDE (N)
	DEAD LOAD (DL)	1971.4
OPERATING LOAD (DL+NOZZLE LOAD)	3313	1294.1



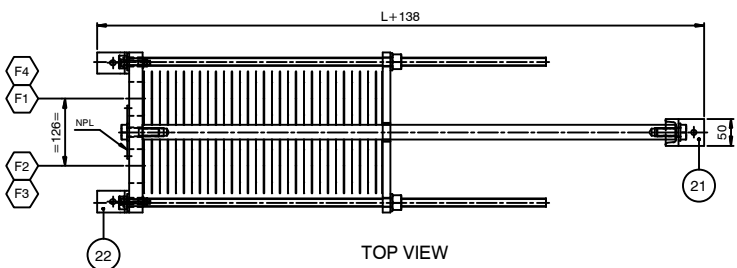
DETAIL A  
SCALE: 1/1



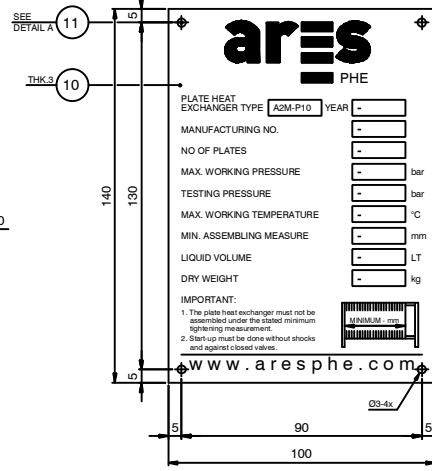
FOUNDATION PLAN



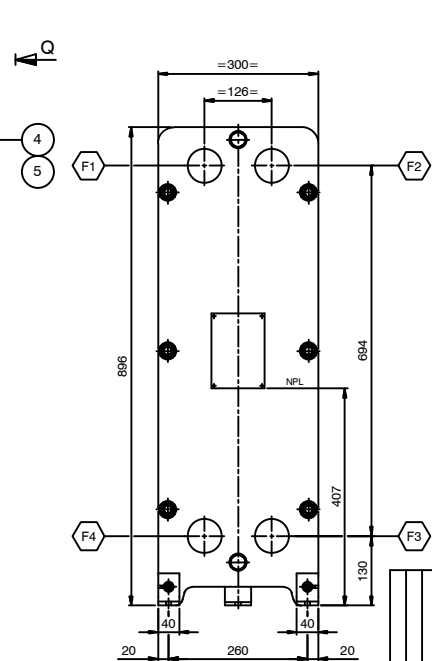
ELEVATION  
SCALE: 1/5



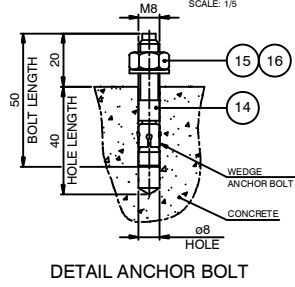
TOP VIEW  
SCALE: 1/5



DETAIL NAMEPLATE  
SCALE: 1/1



VIEW P  
SCALE: 1/5



DETAIL ANCHOR BOLT  
SCALE: 1/1

ares PHE

PLATE HEAT EXCHANGER TYPE: A2M-P10 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. The plate heat exchanger must not be assembled under the stated minimum lightning measurement.  
2. Start up must be done without shocks and against 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)	Barg	- / -
MIN. / MAX. ALL. PRESSURE (PS)	Barg	- / -
MIN. / MAX. ALL. TEMPERATURE (TS)	°C	- / -
CONTENT (V)	L	-
HE-SURFACE	m²	-
WEIGHT NETTO	kg	-
INLET TEMPERATURE		
OUTLET TEMPERATURE		

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	-	50
F2	OUT	COLD SIDE	-	50
F3	IN	COLD SIDE	-	50
F4	OUT	HOT SIDE	-	50

REFERENCE DRAWINGS & DOCUMENTS

DESCRIPTION	ARES PHE DRAWING
DETAILS	A2M-10010-02
CALCULATION	A2M-10010-00-CAL

GENERAL NOTES

- ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED
- FLANGE BOLTHOLES STRADDLE CENTERLINES
- NOZZLE FLANGE FACES SMOOTH FINISH 3.2-6.4 um Ra
- ROUGHNESS OF GASKETS SURFACE SHALL BE Ra 3.2...6.3 um MAX, UNLESS NOTED OTHERWISE

NO	REV	DATE	HE	FOR APPROVAL	DESCRIPTION	dimensions	material	remarks	cert
23	4				NOZZLE CONNECTION	-	-	-	3.1
22	2				ANGLE	L60x60x8 L=40	S235JR	-	-
21	1				BASE PLATE	73x50x6	S235JR	-	-
20	1				SUPPORT COLUMN	UNP50 L=890	S235JR	-	-
19	2				CARRY/GUIDE BAR	Ø28	S235JR	-	-
18	1				FOLLOWER ENDPLATE	838x300x15	S355J2G3	-	3.1
17	1				HEAD ENDPLATE	896x300x25	S355J2G3	-	3.1
16	3				FLAT WASHER	M8	CS	-	-
15	3				NUT	M8	.B	-	-
14	3				WEDGE ANCH. BOLT	M8 L=50	.B	8.8	-
13	-				GASKET	-	-	-	-
12	-				HE PLATE	-	-	-	3.1
11	4				RIVET	Ø2.4 L=8	SS	-	-
10	1				NAMEPLATE ARES	140x100x3	SS	-	-
9	4				WASHER	M8	CS	-	-
8	2				HEX NUT	M8	.B	-	-
7	2				BOLT	M8x50	.B	8.8	-
6	2				BOLT	M16x60	.B	8.8	-
5	4				WASHER	M16	CS	-	-
4	2				BOLT	M16x45	.B	8.8	-
3	12				WASHER	M16	CS	-	-
2	12				HEX NUT	M16	.B	-	-
1	6				DOUBLE-END STUD	M16	.B	8.8	3.1

PART LIST

Designed by	Date	Approved by	Date	Rev. no.	Revision Text	Format	Scale
ARES		ARES		0	FOR APPROVAL	A1	1:5+VAR.

TOL	ISO projection		Description: PHE MODEL: A2M PN10 L=100 ÷ 1000 MM GENERAL ARRANGEMENT	
Rev. date	Rev. by	Drawing no.	Sheet	
25-06-12	HE	A2M-10010-01	1 OF 1	

