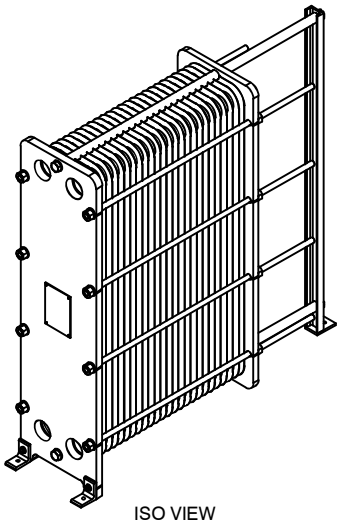
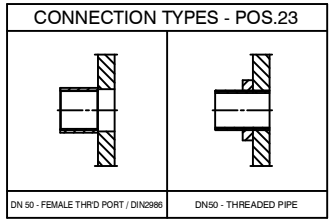
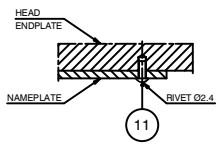


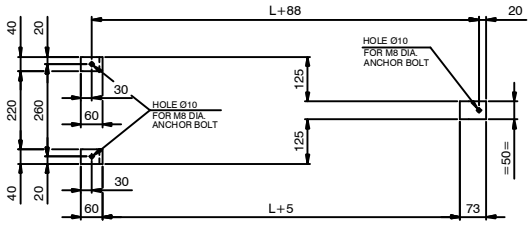
ISO VIEW

CONNECTION TYPES - POS.23

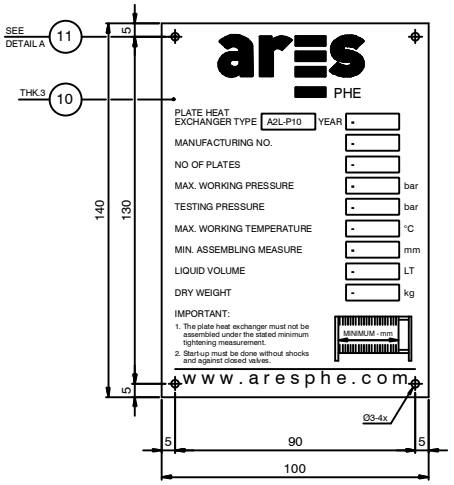




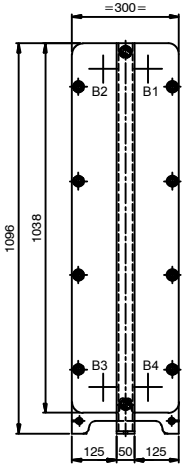
DETAIL A
SCALE: 1/1



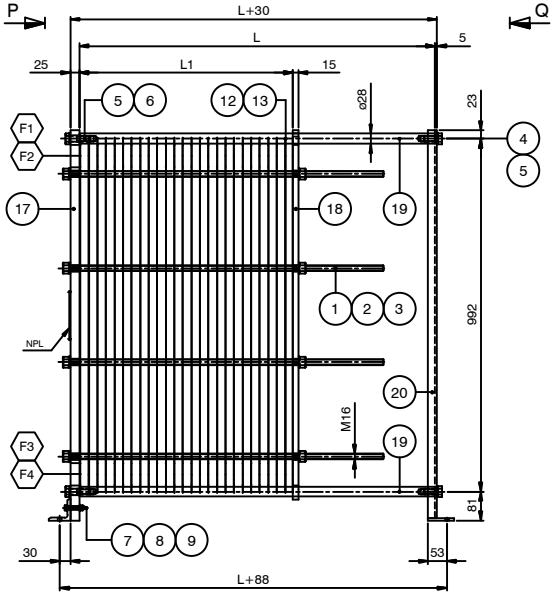
FOUNDATION PLAN



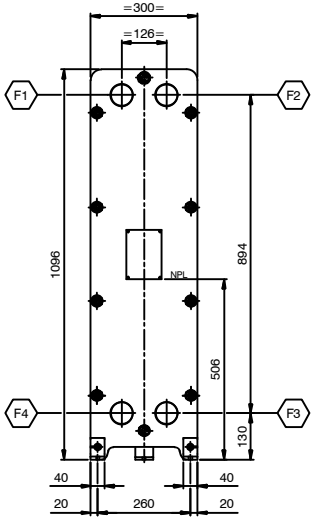
DETAIL NAMEPLATE
SCALE: 1/1



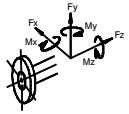
VIEW Q
REAR SIDE
SCALE: 1/7.5



ELEVATION
SCALE: 1/7.5



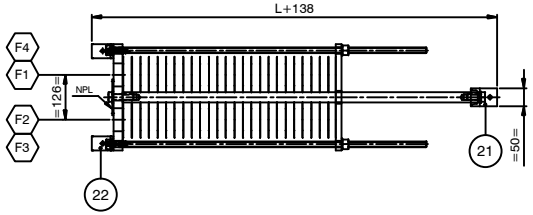
VIEW P
FRONT SIDE
SCALE: 1/7.5



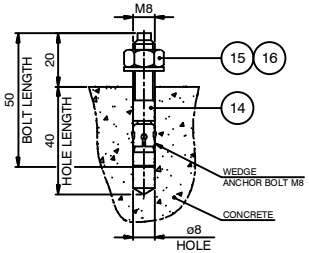
MAX. ALLOWABLE FORCES and MOMENTS ON NOZZLES						
NOZZLE	Forces (N)			Moments (Nm)		
	Longitud. Fy	Circum. Fx	Axial Fz	Longitud. Mx	Circum. My	Torsional Mz
F1,F2,F3,F4	186	186	186	74	74	74

NOZZLE LOADS ACCORDING TO API 662, TABLE 1

FOUNDATION LOADS		
	FRONT SIDE (N)	REAR SIDE (N)
DEAD LOAD (DL)	2726.2	1294.5
OPERATING LOAD (DL+NOZZLE LOAD)	4136.1	1961



TOP VIEW
SCALE: 1/7.5



DETAIL ANCHOR BOLT
SCALE: 1/1

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	°C	-	-
OUTLET TEMPERATURE	°C	-	-

LENGTH OF PACK	a_{max}=L1
	a_{min}=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	A2L-10010-02
CALCULATION	A2L-10010-00-CAL

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 um Ra
4. - ROUGHNESS OF GASKETS SURFACE SHALL BE Ra 3.2....6.3 um MAX, UNLESS NOTED OTHERWISE

item	qty	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=1090	S235JR	-	-
19	2	CARRY/GUIDE BAR	Ø28	S235JR	-	-
18	1	FOLLOWER ENDPLATE	1038x300x15	S355J2G3	-	3.1
17	1	HEAD ENDPLATE	1096x300x25	S355J2G3	-	3.1
16	3	FLAT WASHER	M8	CS	-	-
15	3	NUT	M8	.8	-	-
14	3	WEDGE ANCH. BOLT	M8 L=50	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	.8	-	-
7	2	BOLT	M8x50	8.8	-	-
6	2	BOLT	M16x60	8.8	-	-
5	4	WASHER	M16	CS	-	-
4	2	BOLT	M16x40	8.8	-	-
3	16	WASHER	M16	CS	-	-
2	16	HEX NUT	M16	.8	-	-
1	8	DOUBLE-END STUD	M16	8.8	-	3.1

PART LIST

REV	DATE	NAME	DESCRIPTION
0	23-06-'12	HE	FOR APPROVAL

Dimensions without tolerance:	Designed by	Date	Approved by	Date	Rev. no.	Revision Text	Format	Scale
TOL	ARES		ARES		0	FOR APPROVAL	A1	1:7.5+VAR

ISO projektion

ares PHE

Description:
PHE MODEL: A2L PN10 L=100 ÷ 1000 MM
GENERAL ARRANGEMENT

Rev. date	Rev. by	Drawing no.	Sheet
23-06-'12	HE	A2L-10010-01	1 OF 1