

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)	- / -
MIN. / MAX. ALL. PRESSURE (PS)	- / -
MIN. / MAX. ALL. TEMPERATURE (TS)	- / -
CONTENT (V)	-
HE-SURFACE	m ²
WEIGHT NETTO	kg
INLET TEMPERATURE	°C
OUTLET TEMPERATURE	°C

LENGTH OF PACK	$a_{max}=L1$
LENGTH OF CARRY BAR	$a_{min}=L1$ $b=L$

NOZZLE CONNECTIONS

POS	DIR	MEDIA	TYPE	DN
F1	IN	HOT SIDE	-	32
F2	OUT	COLD SIDE	-	32
F3	IN	COLD SIDE	-	32
F4	OUT	HOT SIDE	-	32

REFERENCE DRAWINGS & DOCUMENTS

DESCRIPTION	ARES PHE DRAWING
DETAILS	A1L-10010-02
CALCULATION	A1L-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	DESCRIPTION	QTY	UNIT	REMARKS
23	4 NOZZLE CONNECTION -	-	-	3.1
22	1 ANGLE	L50x50x6 L=32	S235JR	-
21	1 ANGLE	L50x50x6 L=32	S235JR	-
20	1 BASE PLATE	60x40x5	S235JR	-
19	1 SUPPORT COLUMN	750x88x3	S235JR	-
18	2 CARRY/GUIDE BAR	Ø12	S235JR	-
17	1 FOLLOWER ENDPLATE	739x190x15	S355J2G3	3.1
16	1 HEAD ENDPLATE	755x190x20	S355J2G3	3.1
15	3 FLAT WASHER	M8	CS	-
14	3 NUT	M8	8.8	-
13	3 WEDGE ANCH. BOLT	M8 L=50	8.8	-
12	- GASKET	-	-	-
11	- HE PLATE	-	-	-
10	4 RIVET	Ø2.4 L=8	SS	3.1
9	1 NAMEPLATE ARES	140x100x3	SS	-
8	2 WASHER	M8	CS	-
7	2 HEX NUT	M8	8.8	-
6	2 BOLT	M8x45	8.8	-
5	2 WASHER	M10	CS	-
4	2 HEX NUT	M10	8.8	-
3	16 WASHER	M12	CS	-
2	16 HEX NUT	M12	8.8	-
1	8 DOUBLE-END STUD	M12	8.8	3.1

Part List	Material	Remarks
1	8.8	3.1

Designed by	Date	Approved by	Date	Revision no.	Format	Scale
HITARD	A. YABALI			0	A1	1:5+VAR.

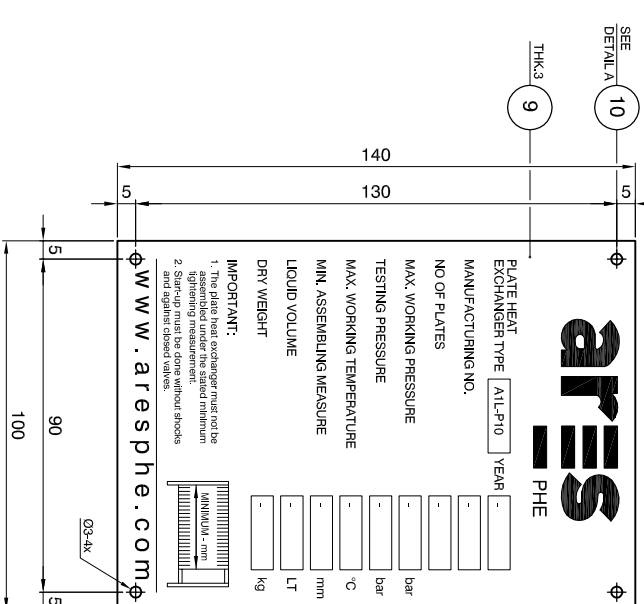
ISO projection



Rev. date: 18-06-14
Rev. by: HE
Drawing no.: A1L-10010-01
Sheet: 1 OF 1

SEE DETAIL A 10

THK-3 9



DETAIL A SCALE: 1/1

PLATE HEAT EXCHANGER TYPE [A1L-PHE] YEAR []

MANUFACTURING NO. []

NO OF PLATES []

MAX. WORKING PRESSURE [] bar

TESTING PRESSURE [] bar

MAX. WORKING TEMPERATURE [] °C

MIN. ASSEMBLING MEASURE [] mm

LIQUID VOLUME [] LT

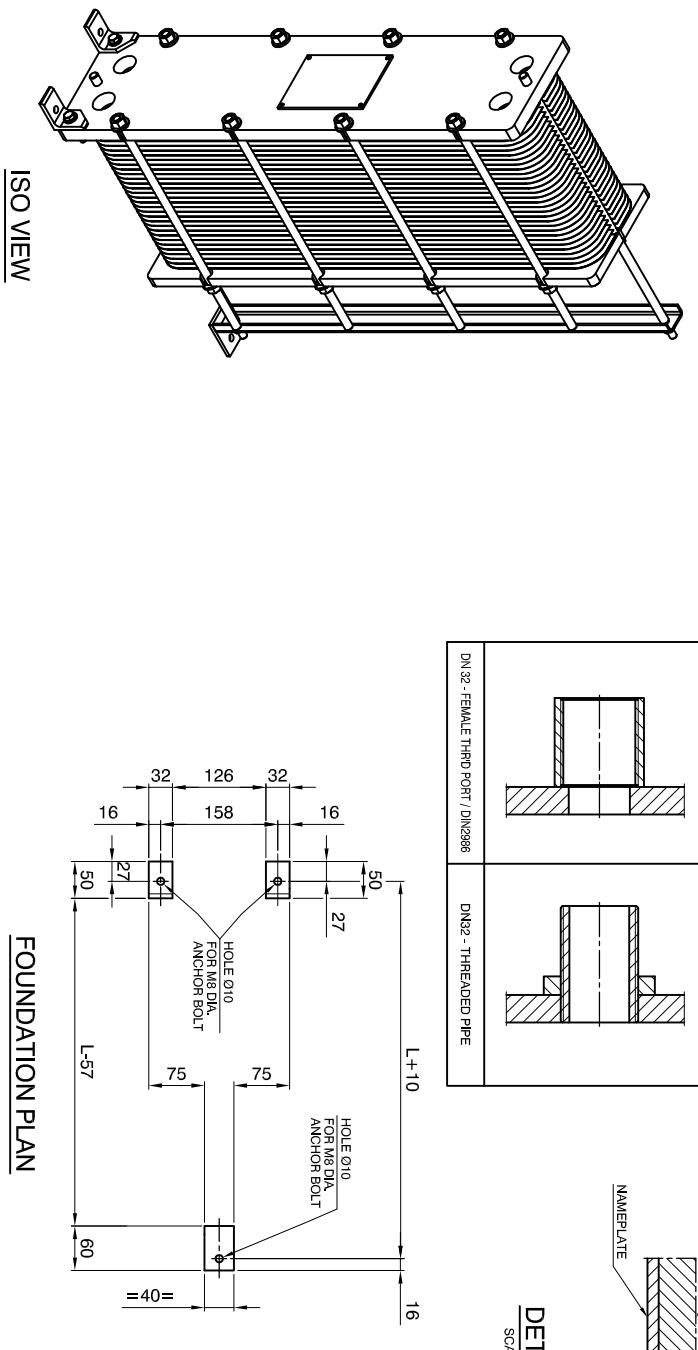
DRY WEIGHT [] kg

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

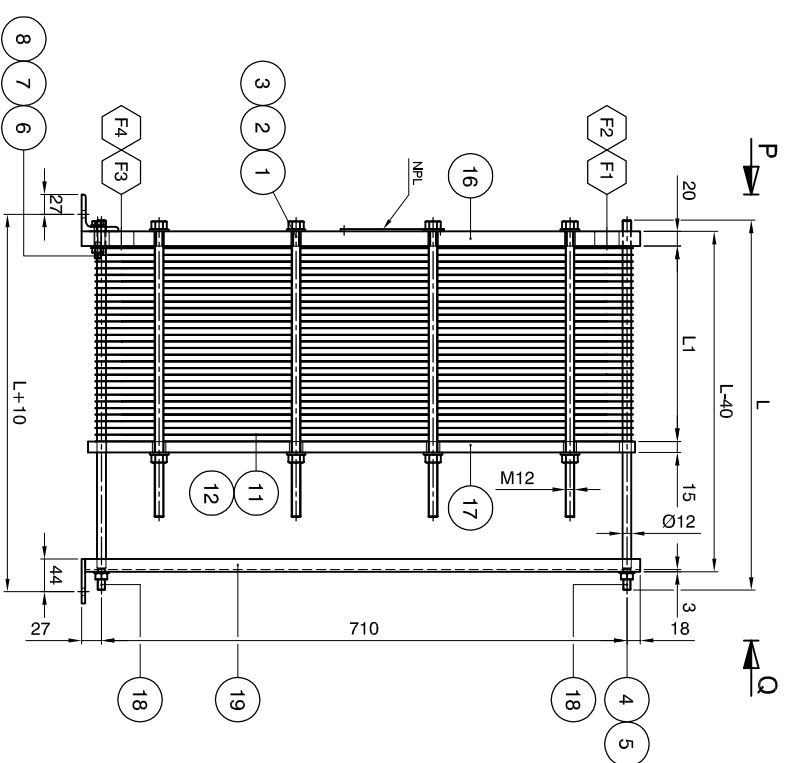
www.aresphe.com

DETAIL NAMEPLATE SCALE: 1/1

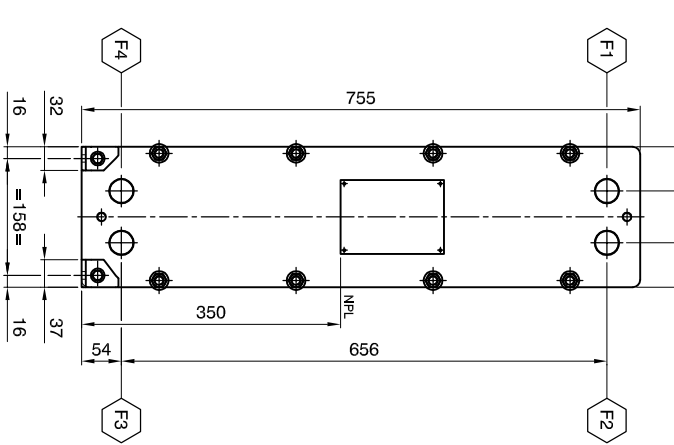
FOUNDATION PLAN



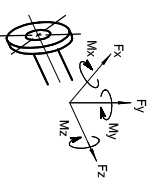
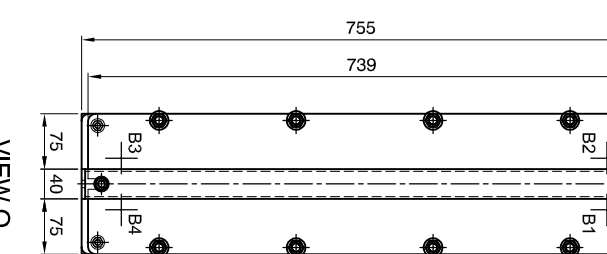
ELEVATION



VIEW P



VIEW Q



MAX. ALLOWABLE FORCES and MOMENTS ON NOZZLES

NOZZLE	Forces (N)			Moments (Nm)		
	Longitud.	Circum.	Axial	Longitud.	Circum.	Torsional
F1, F2, F3, F4	108.8	108.8	108.8	12.7	12.7	12.7

NOZZLE LOADS ACCORDING TO API 662, TABLE 1

FOUNDATION LOADS

	FRONT SIDE (N)	REAR SIDE (N)
DEAD LOAD (DL)	723.7	315.6
OPERATING LOAD (DL + NOZZLE LOAD)	1537.4	694.3