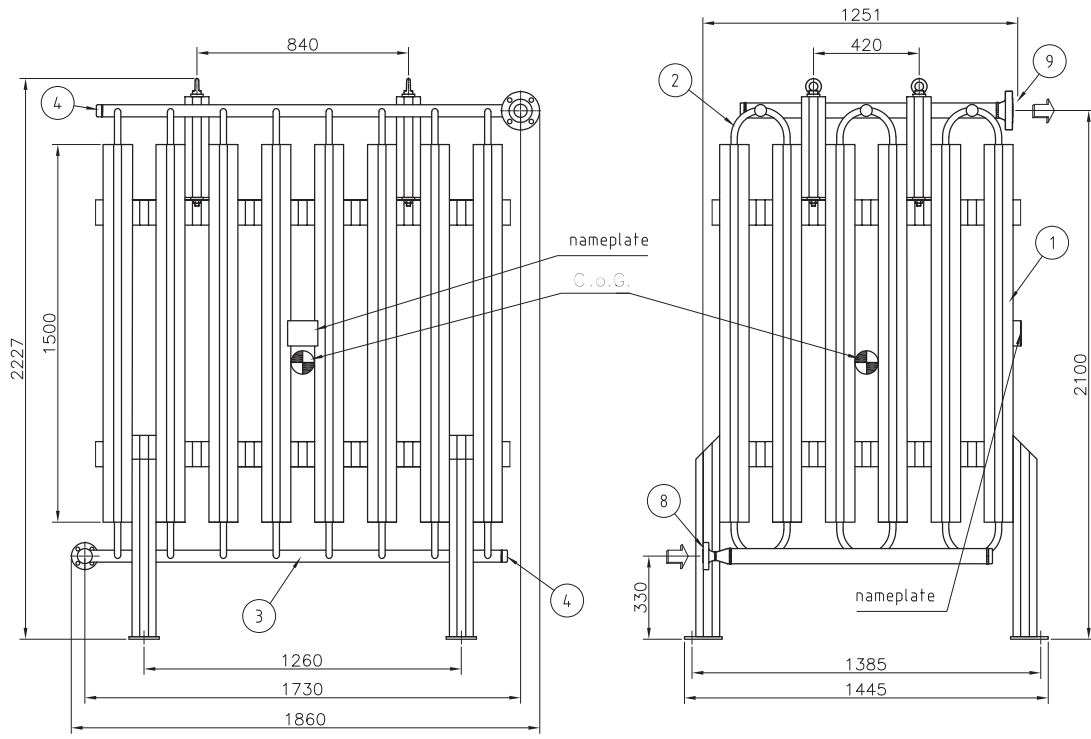


Rev.	Data/Date	Descrizione/Description	Dis/Dwr	Contr/Ckd	Appr/Apr
0	26/06/2023	First emission	Cardia M.	Arseni P.	Roveta M.
2	31/07/2023	Revision following comments	Cardia M.	Arseni P.	Roveta M.
3	26/09/2023	Revision	Cardia M.	Arseni P.	Roveta M.



Criotec Chivasso (TO) - ITALY
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CRYOGENIC AND HIGH VACUUM TECHNOLOGIES

CE TUV 0948

AUSRÜSTUNGSTYP / EQUIPMENT TYPE: E19000 (VMP72BV)

MONAT/JAHR / MONTH/YEAR: MATR. NO. / SERIAL NUM: 23097

FLÜSSIGKEIT / FLUID: LNG PED Gr. 1 SCOPE OUTPUT Nm³/h: 500

AUSLEGUNGSDRUCK (PS) / PRESSURE DESIGN: barg: 16

PRÜFDRUCK (PT) / TEST PRESSURE: barg: 22.9

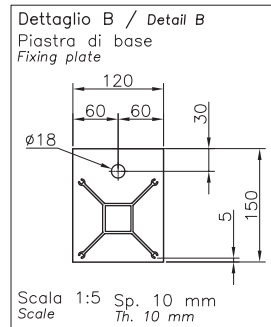
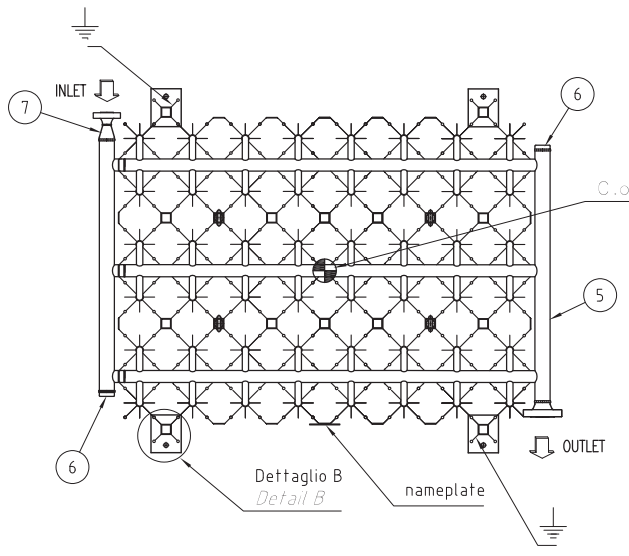
AUSLEGUNGSTEMPERATUR (TS) / TEMPERATURE DESIGN: °C: -196/+65

VOLUME / VOLUME it.: 40 TARA / TARE MASS: 300 PSV Satz / PSV SET: /

TOLLERANZE / Tolerances
DOVE NON DIVERSAMENTE INDICATO / Unless otherwise specified
- LA TOLLERANZA SULLE DIMENSIONI ANGOLARI E' ± 2° (RILEVABILI TRAMITE MISURA DELLE COORDINATE LINEARI)
- The angular tolerance is ± 2° (measurable by means linear coordinates)
- LA TOLLERANZA SULLE DIMENSIONI LINEARI E' ± 3mm PER METRO CON MASSIMO DI ± 25mm
- The linear tolerance is ± 3mm per meter up to ± 25mm maximum

DATI DI PROGETTO - DESIGN DATA	
CORPO PRINCIPALE / Main body	
Pressione di progetto Ps / Design pressure	[barg] 16
Pressione di esercizio / Operating pressure	[barg] 0.5
Pressione di prova idraulica / Hydraulic test pressure	[barg] 22.9
Temperatura di progetto / Design temperature	[°C] -196/+65
Temperatura di esercizio / Operating temperature	[°C] -166.5
Fluido - fluid	NG
Stato fisico - physic state	gas
Perdite di carico / Pressure drop	[mbar] <50
Capacità massima / Volume	[dm³] 40
Peso a vuoto / Empty weight	[kg] 300
NORME / CODE	EN13445 + PED 2014/68/EU
CATEGORIA GIUNTI SALDATI / WELDING JOINT EFFICIENCY	3
ENTE ISPETTORE / NOTIFIED BODY	TÜV0948
CLASSE APPARECCHIO / CLASS OF EQUIPMENT	III
SPECIFICA DI SALDATURA / WELDING SPECIFICATION	N°MATICOLA / SERIAL NUMBER: 23097
CE MARKING ACCORDING TO PED: Required.	

- Notes:
- Flange holes straddling axes;
 - Foundation bolts not included in scope of supply;
 - Commissioning spare parts included in scope of supply;
 - No. 2 grounding for each item;
 - All dimensions in millimeters, unless otherwise indicated.



Nozzles list

Item	ND	Rating	Service
INLET	1"	#150 RF (*)	LIQUID FLUID INLET
OUTLET	2"	#150 RF (*)	GAS FLUID OUTLET

(*) FLANGE COMPATIBLE WITH STANDARD ANSI 16.5

Ref.	Description	Q.ty	Material
9	Flange 2" #150 WN RF	1	EN AW 6082/6061 T6
8	Flange 1" #150 WN RF	1	EN AW 6082/6061 T6
7	Concentric reduction Ø60-1"	1	EN AW 6082 T6
6	Cap Ø60	2	EN AW 6082 T6
5	Tube Ø60x5 - 3 holes	2	EN AW 6060/6063 T4/T6
4	Cap Ø48	6	EN AW 6082 T6
3	Tube Ø48x3.5 - 8 holes on 2 axes	6	EN AW 6060/6063 T4/T6
2	Elbow	48	EN AW 5754 H111
1	Extruded finned pipe L=1500 mm	48	EN AW 6060/6063 T4

Bill of materials

Projektnummer OGE	Maßnahmenzeichnung OGE
-	-

SIAD MI Tag No.	E19000	SIAD MACCHINE IMPIANTI S.P.A.					
SIAD MI Project No.	L43374						
SIAD MI Project Name	LNG 140 TPD	SIAD MI Dwg No.					
TITOLO / Title: E19000 - VMP72BV							
IMPIANTO o ASSEMBLY / Plant or Assembly: LNG tank build-up vaporizer: VMP72BV	MATERIALE / Material: EN AW 6060/6063	QTA' / Qty: 1					
PESO / Weight: 300kg		COMMESSA / Job: 5619					
CLIENTE / Client: SIAD MI	DISegnATO / Drawn: Cardia M.	CONTRoLLATO / Checked: Arseni P.					
APPROVATO / Approved: Roveta M.	DESIGNO N° / No drawing: M.5619-0001	REV: 3					
DATA / Date: 28/09/2023	SCALA / Scale: 1:15	FOLIO / Sheet: 1 of 1					
FORMATO / Format: A2							
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Rev. Nr.	Datum	Beschreibung	erstellt	geprüft	freigegeben	Datum	freigegeben
Projekt-Nr.: DG-001115		Standort / Projectname: LNG LIQUEFACTION PLANT		OGE			
Datum: 31.07.2023		Name: Cardia M.		Zeichnungsbenennung: LNG (TANK) BUILD UP VAPORIZER E19000 - ASSEMBLY DRAWING			
Gez.: 31.07.2023		Arseni P.		LNG (TANK) AUFBAUVERDAMPFER E19000 - MONTAGEZEICHNUNG			
Freigez.: 31.07.2023		Roveta M.		F-Tech: 520			
Schutzvermerk: ISO 15016 beschriftet		Blattnr.: A2		Maßst.: 1:15		Standortbezeichnung: REZH	
Urspr.: EST106181 Rev. 0B		Ers.f.:		Ers.d.:		520RE2H64801037ZEN001-01-0B.gwg	