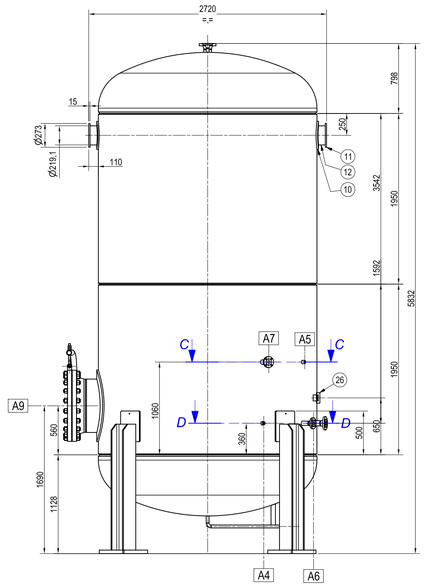
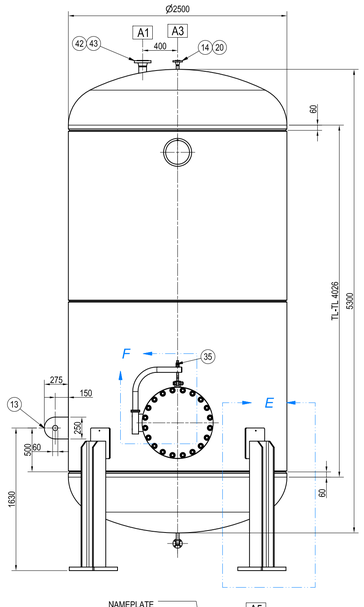
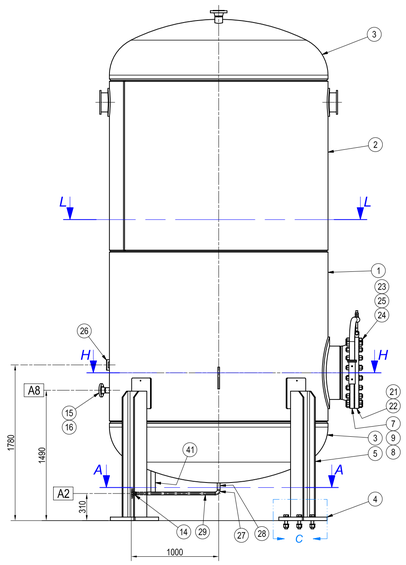
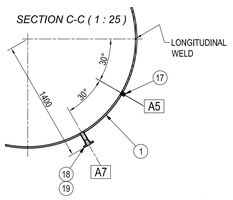
DRAWING NO. 1724000428-MAC-DD-00006 REV. 04

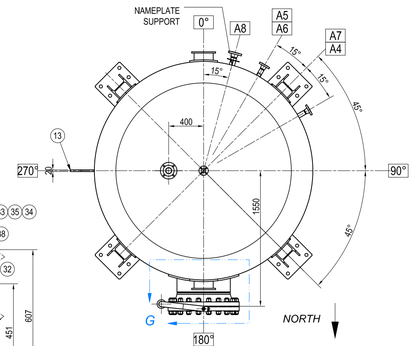




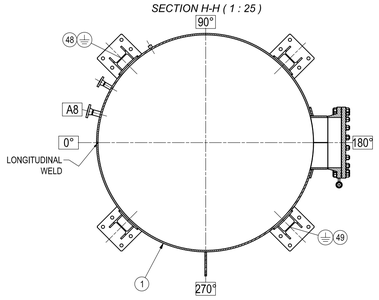


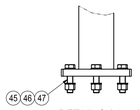
SECTION C-C (1 : 25)





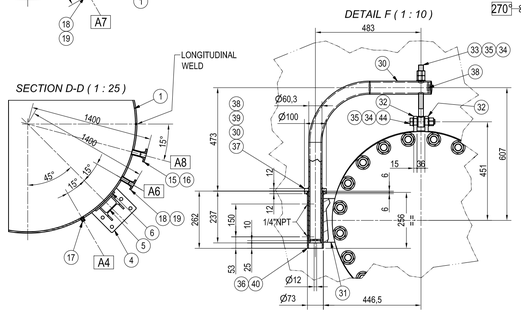
SECTION H-H (1 : 25)

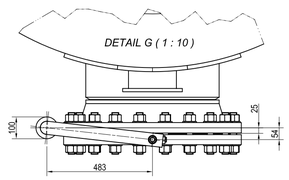


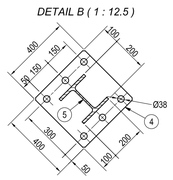


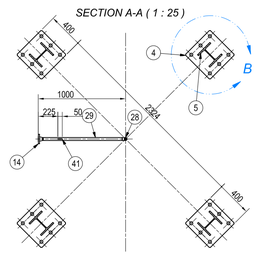
DETAIL C (1 : 10)

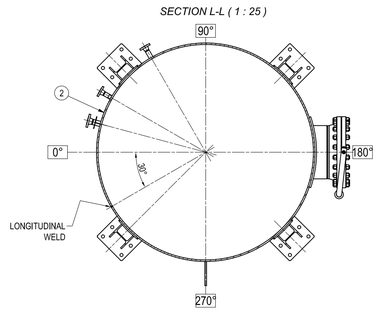
DETAIL F (1 : 10)











NAMEPLATE DETAIL

MANUFACTURER	COES SRL - STEZZANO (BG)
EQUIPMENT	AIR RECEIVER V-63001
SERIAL NUMBER	S240119 YEAR 2024
DESIGN CODE	ASME VIII Div. 1 Ed. 2021 / PED 2014/68/UE
CONFORMITY	Category IV
FLUID	AIR
DESIGN PRESSURE	12 barg
DESIGN TEMPERATURE	-29 / + 90°C
TEST PRESSURE	17.2 barg
CORROSION ALLOWANCE	1.5 mm
WEIGHT	7450 kg
VOLUME	23100 l

CE 0425

ELENCO PARTI / BILL OF MATERIAL

POS	QTY	DESCRIPTION	MATERIAL	WGT	TEST	COD. COES
1	1	SHELL øe2500 Thk. 18 L=1950 (Manhole 24" side)	SA 516 Gr.70	2096,5	B	L3714
2	1	SHELL øe2500 Thk. 18 L=1950	SA 516 Gr.70	2138,5	B	L3715
3	2	ELL. HEAD ø/2464 Thk. 18mm (Thk. 15.3mm min.)	SA 516 Gr.70	2053,1	B	L3728
4	4	PLATE 400x400 thk=40 - N° 6 holes Ø38	SA 516 Gr.70	192,7	C	L3998
5	5760,000 mm	PROFILE HEB 200 L=1440	S 355 J2	351,6	C	F7552
6	4	PAD 350x300 thk=15	SA 516 Gr.70	49,9	B	L3999
7	1	FLANGE W.N.24" Sch. 40 150# RF	SA 350 Gr. LF2 Cl.1	135,9	B	H5869
8	1	PAD thk=18 for Man Hole 24"	SA 516 Gr.70	32,2	B	L3729
9	1	SHELL øe610 Thk. 18 L=200	SA 516 Gr.70	45,6	B	L3730
10	2	PAD Øe=320 Øi=222 thk=18 for Trunnion	SA 516 Gr.70	11,8	B	L4000
11	2	DISK Ø273 thk=15	SA 516 Gr.70	13,8	C	D2222
12	200,000 mm	PIPE SMLSS 8 Sch.80	SA 333 Gr. 6	12,6	C	D9560
13	1	LIFTING LUG A=250 E=150 HOLE Ø60 THK=20	SA 516 Gr.70	9,3	B	L3717
14	2	FLANGE W.N.1" Sch. XXS 150# RF	SA 350 Gr. LF2 Cl.1	2,6	B	L3726
15	1	FLANGE W.N.2" Sch. 160 150# RF	SA 350 Gr. LF2 Cl.1	3,1	B	F7664
16	100,000 mm	PIPE SMLSS 2 Sch.160	SA 333 Gr. 6	1,1	B	C1399
17	2	COUPLING 1/2" NPT-F 6000#	SA 350 Gr. LF2 Cl.1	0,7	B	K1337
18	2	FLANGE W.N.1 1/2" Sch. 160 150# RF	SA 350 Gr. LF2 Cl.1	4,1	B	K1808
19	200,000 mm	PIPE SMLSS 1 1/2 Sch.160	SA 333 Gr. 6	1,4	B	H0405
20	65,000 mm	PIPE SMLSS 1 Sch.XXS	SA 333 Gr. 6	0,4	B	D9604
21	1	GKT SPIRAL WOUND 24" 150# Thk. 4.5mm	316L+GRAPHITE	4,7	C	C3128
22	1	FLANGE BLIND B16.5 24" 150# RF	SA 350 Gr. LF2 Cl.1	184,8	B	F1221
23	40	WASHER 1 1/4	C.S.	2,9	C	C6198
24	20	STUD-BOLT 1.1/4" UN x 190	SA 320 Gr.L7	23,7	B	L4002
25	40	NUT 1 1/4 UN	SA 194 Gr.7	13,2	B	J2834
26	1	SUPPORT NAMEPLATE 140x120 Thk.4mm	SA 516 Gr.70	0,5	B	E4247
27	1	ELBOW L.R. 90° 1" Sch. XXS	SA 420 WPL6	0,3	B	D9605
28	98,675 mm	PIPE SMLSS 1 Sch.XXS	SA 333 Gr. 6	0,5	B	D9604
29	902,528 mm	PIPE SMLSS 1 Sch.XXS	SA 333 Gr. 6	4,9	B	D9604
30	1	BENDING PIPE SMLSS 2" SCH. 40 L=1130 (DAVIT 24" 150#)	SA 333 Gr. 6	8,5	C	L4020
31	1	PLATE 200x52.5 thk=18 (DAVIT 24" 150#)	SA 516 Gr.70	1,3	B	L4001
32	2	PLATE 50x70 Thk. 15 mm FOR DAVIT 24"	SA 516 Gr.70	0,7	B	L4230
33	1	LIFTING EYE M22x260	SA 350 Gr. LF2 Cl.1	1	C	L4375
34	3	WASHER A 22	C 40	0,1	C	3393
35	3	NUT M22 UNI 5587	SA 194 Gr.7	0,3	C	L1368
36	1	ROD Øe=100 Øi=74 Thk=12	SA 516 Gr.70	0,3	C	L4016
37	1	ROD Øe=100 Øi=61 Thk=12	SA 516 Gr.70	0,5	C	L4376
38	1	DISK Øe=48 thk=6	SA 516 Gr.70	0,1	C	L4377
39	1	DISK Øe=48 Øi=12 thk=6	SA 516 Gr.70	0,1	C	L4378
40	256,000 mm	PIPE SMLSS 2 1/2 Sch.40 L=256	SA 333 Gr. 6	2,2	C	G6831
41	242,500 mm	PLATE 50x6 L=242,5	SA 516 Gr.70	0,6	B	L4380
42	90,000 mm	PIPE SMLSS 3 Sch.160	SA 333 Gr. 6	1,9	B	F8721
43	1	FLANGE W.N.3" Sch. 160 150# RF	SA 350 Gr. LF2 Cl.1	5,8	B	F7680
44	1	SCREW - M22 x 100 - UNI 5739	SA 320 Gr.L7	0,4	C	L0436
45	24	SCREW - M33 x 140 - UNI 5739	Cl. 8.8	1,9	C	L6140
46	48	WASHER A 33	C 40	5,8	C	F2511
47	24	NUT M33 UNI 5587	Cl. 8	0,4	C	L6139
48	1	EARTHING POINT HILTI STUD	SS	-	C	
49	1	EARTHING POINT WELDED PLATE	SS316	-	C	

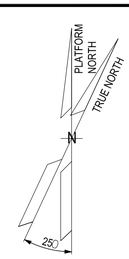
MATERIAL TEST SYMB. (according to EN 10204)

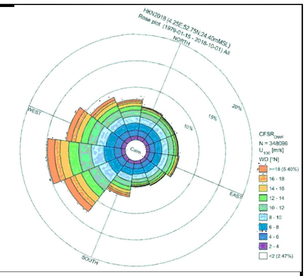
A	Tested material (3.2)
B	Material with certificate of manufacturer (3.1)
C	Material without certificate
D	Material with certificate of manufacturer (2.2)

POS	DESCRIPTION	PIPE CONN.
A1	PSV	WN 3" 150# RF SCH. 160
A2	DRAIN	WN 1" 150# RF SCH. XXS
A3	VENT	WN 1" 150# RF SCH. XXS
A4	PRESSURE GAUGE PG	COUPLING 1/2" NPTF 6000#
A5	PRESSURE TRANSMITTER PT	COUPLING 1/2" NPTF 6000#
A6	TEMPERATURE GAUGE TG	WN 1.1/2" 150# RF SCH. 160
A7	TEMPERATURE TRANSMITTER TT	WN 1.1/2" 150# RF SCH. 160
A8	IN/OUT	WN 2" 150# RF SCH. 160
A9	MAN HOLE	WN 24" 150# RF SCH. 40

DESIGN DATA

Code	Applicable codes and standards		ASME VIII Div.1 Ed. 2021 / PED 2014/68/EU		
	Third party		ICIM GROUP		
	STAMP		No		
	NATIONAL BOARD		No		
	CRN REGISTRATION		N.A.		
Pressure	Design pressure internal		12	barg	
	Working pressure		9	barg	
	Hydrotest pressure vertical		17,2	barg	
	Hydrotest pressure horizontal		N.A.	barg	
	Static head in design		0,6	barg	
	MAWP		14,14	barg	at temperature of 90 °C
Temperat.	Design temperature		90	°C	
	Working temperature		35	°C	
	M.D.M.T. @ MAWP		-29	°C	
	Test temperature min.		10	°C	
Miscellaneous	Corrosion allowance		1,5	mm	
	Out of roundness		1%		
	Insulation		-	mm	
	Capacity		23100,0	ℓ	
	Tollerance on thickness	Plates	0.25 (>4); 6% (<=4)	mm	
		Pipes	-12.5	%	
		Forgings	=0/1	mm	
Fluid	Nature		AIR		
	Physical state		GAS		Group 2
	Specific weight		1,29	kg/Nm³	
Weldings	Joint efficiency (E)		0.85		
	Rad. Cat/class		RT 3		
	Test Coupons		NO		
	Radiographic Examination		SPOT	note:	
Heat treatement and testing	Head assembly in 1 piece		N.A.		
	Heat treatment		NO	note:	
	Liquid penetrant Examination (PT)		YES	note:	
	Ultrasonic Examination (UT)		NO	note:	
	Impact test		NO	note:	Exempt Para. UCS-66 / YES PED 2014/68/EU Annex 1
	External Finishing		According to Coating Specification no. 1724000428-MAT-PRO-00022		
	Internal Finishing		According to Coating Specification no. 1724000428-MAT-PRO-00022		
Ext. Loads	Wind		YES	note:	Project Spec. 123A90-DDL-ST-SP-90017
	Seismic		YES	note:	Project Spec. 123A90-DDL-ST-SP-90017
Weight	Empty		7450,0	kg	
	Hydrotest condition		30550,0	kg	





NOTES

NOTE:

1. QUANTITIES IN MATERIAL LIST FOR No. 1 VESSEL.
2. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
3. ALL THICKNESSES SHOWN ARE MINIMUM AFTER FORMING.
4. TOLERANCE OF VESSELS: ACCORDING TO COES PROCEDURE CTP03684 Rev.2
5. FLANGES DRILLED HOLES SHALL STRADDLE MAIN CENTER AXIS OF VESSEL.
6. FLANGES FACE FINISHING: 125-250 AARH.
   FLANGES AND BLIND FLANGES <= 24" ACC TO ASME B16.5 (2020).
7. VENT HOLES ON REINF. PAD: 1/4" NPT/F EACH PAD OR SEGMENT
   PERFORM TEST AT 1 bar(g) WITH AIR AND SOAPY SOLUTION.
8. ALL NOZZLES WITHOUT INTERNAL PROJECTION, TO BE FLUSHED WITH INSIDE SURFACE OF THE VESSEL. THE INSIDE EDGE OF ALL NOZZLES TO BE ROUNDED.
9. FOR WELDING DETAILS REFER TO THE RELATED WELDING BOOK, DOCUMENT NO. 1724000428-WEL-LIS-00021.
10. BUTTWELDING FITTINGS ACCORDING TO ASME B16.9 (2018)
11. THREADED FITTINGS ACCORDING TO ASME B16.11 (2021)
12. QUANTITY 1: SEE ORIENTATION PLAN.

LEGEND

HOLDS

ROSETTI MARINO

1	NO COMMENTS - APPROVED - WORK MAY PROCEED
2	MINOR COMMENTS - REVISE AND RESUBMIT - WORK MAY PROCEED
3	MAJOR COMMENTS – REJECTED – DO NOT PROCEED
4	APPROVAL NOT REQUIRED

NOTE: Approval doesn't relieve the supplier from mandatory compliance with contractual documents and specifications. Comments made do not imply acceptance of any cost or delivery impact.

Sign | Date

Giuseppe Cavallo 12/02/25

COES

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	07/02/25	GT	GT	TM	ISSUE FOR INFORMATION (IFI)
03	02/01/25	STC	GT	TM	ISSUE FOR INFORMATION (IFI)
02	07/10/24	STC	GT	TM	ISSUE FOR INFORMATION (IFI)
01	05/07/24	STC	GT	TM	ISSUE FOR INFORMATION (IFI)
00	29/05/24	STC	GT	TM	ISSUE FOR INFORMATION (IFI)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
EQUIPMENT SECTIONAL DRAWING WITH BILL OF MATERIAL
INSTRUMENT AIR RECEIVER V-63000

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1:35	
DRAWN STC	CHECKED GT	APPROVED TM	DATE 07/02/2025
A1	DRAWING NO. 1724000428-MAC-DD-00006	SHEET 001	REV. 04

File Name : 1724000428-MAC-DD-00006