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
	11-11-2024

NOTE:
FINAL ACCEPTANCE IS ACHIEVED WITH CODE 1 ALSO FROM CROSSWIND (CRS CLOSEOUT)

Base Load Power Hub (BLPH)

GENERAL ARRANGEMENT AND DATASHEET- SAND FILTER S-50001

Document Number: 1724000448-MAC-DA-00007

Document Class: 3

Rev.	Date	Description	Prepared	Reviewed	Approved
02	08/11/2024	Issue for Information (IFI)	IT	RM	RM
01	22/07/2024	Issue for Information (IFI)	WR	RM	RM
00	05/06/2024	Issue for Information (IFI)	ED	RM	RM

PSC

Reference: DOC No. PK2885-P-007

This document undergoes an issuance cycle within EDMS "Fusionlive".
File: 1724000448-MAC-DA-00007_Rev.02_GA drawings-sand filter. Distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

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SH.	DESCRIPTION	REVISIONS							
		00	01	02					
1	Cover	X	X	X					
2	Table of Contents	X	X	X					
3	Revision / Change Log	X	X	X					
4	Drawing	X	X	X					
5	Datasheet	X	X	X					

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Revision / Change Log

Rev.	Description
00	ISSUE FOR INFORMATION (IFI)
01	ISSUE FOR INFORMATION (IFI)
02	ISSUE FOR INFORMATION (IFI)

HOLDS LIST

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1.	
2.	
3.	
4.	

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Supplier:NOBEL

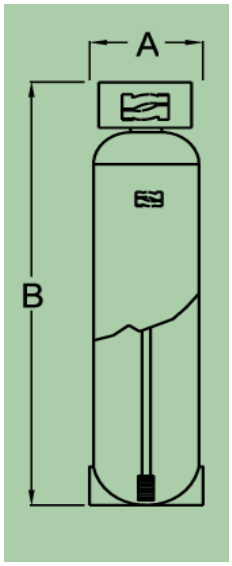
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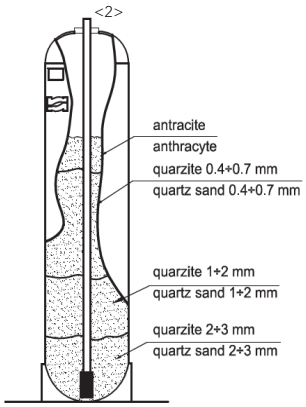
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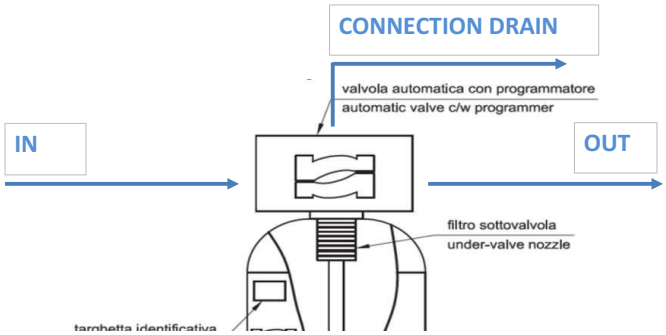
TAG= S-50001

POS	
A	460 mm
B	2000 mm
Connection in-out	1 1/2'' BSP (GAS)
Connection drain	1'' BSP (GAS)

<2>







REFERENCE DOCUMENTS	
1724000448-MAC-DA-00005	GENERAL ARRANGEMENT DRAWINGS AND FOUNDATIONS LOADING CALCULATIONS
1724000448-PR-PID-00013	WATER TREATMENT PACKAGE-PID DIAGRAM

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FILTER DATA SHEET

SPECIFICA PER FILTRO

PLANT: Impianto — Water treatment package	**CUSTOMER:** Cliente — Rosetti Marino S.p.A		Sh. 5 / 5
LOCATION: Località — HOLLANDSE KUST NOORD WIND PARK Project	**JOB:** Commessa — PK2885		**ITEM:** Sigla — S-50001
DEPARTMENT : Reparto	**P&I :** 1724000448-PR-PID-00013	**MFR:** Costruttore — NOBEL, mod. FCT 07/CT-DM	**DOC.Nr.** Doc. Nr. — PK2885-M-001

1	SERVICE OF UNIT / Servizio: Sand filter			No. OF UNITS / No. di unità: 1
2	FLUID HANDLED / Fluido trattato:			Sea water
3	CORROSIVE COMPOUNDS / Composti corrosivi		ppm	TDS = 37000 and Chloride = 20300 (@ pH = 8.2)
4	FLOW RATE / Portata:		m^3/h	2
5	OPERATING / DESIGN PRESSURE / Pressione di esercizio /progetto:		bar	4 / 8
6	OPERATING TEMPERATURE / Temperatura di esercizio:		°C	10 / 23
7	FLUID DENSITY/ Densità:		kg/m^3	1020/1029
8	FLUID VISCOSITY / Viscosità:		mPa sec	1.67/ 0.89
9	TOTAL SUSPENDED SOLIDS / Solidi Sospesi Totali:		mg/l	10
10	MINIMUM SIZE OF PARTICLES TO BE REMOVED / Dim. minima delle particelle da filtrare:		µm	< 125
11	PRESSURE DROP / Perdite di carico:	CLEAN / DIRTY / MAX	bar	0.2 / 0.7 / 1.0
12	MAX BACKWASH FLOW RATE		m^3/h	5
13	MAX FLOW / PORTATA MASSIMA		m^3/h	6.4
14	MAX BACKWASH DURATION TIME		min	20
15	DESIGN PRESSURE / Pressione di progetto:		barg	8
16	TEST PRESSURE / Pressione di prova :		barg	11
17	DESIGN TEMPERATURE / Temperatura di progetto:		°C	50
18	FILTER TYPE (Tipo di filtro)			Pressure and vertical, automatic backwash with filtered water
19	FILTRATION AREA		m^2	0.17 <2>
20	FILTRATION RATE		m/h	12 <2>
21	FILTER DIMENSIONS		mm	Diameter =460 <2>, H=2000 mm
22	FILTER EMPTY AND OPERATING WEIGHT		kg	250 / 430 <2>
23	FINE FILTERING MEDIA, TYPE AND QUANTITY		kg	SAND 0.4-0.7 mm 100 kg , SAND 1-2 mm 50 kg, SAND 2-3 mm 25 kg, ANTRACITE 35 kg <2>
25	BODY MATERIAL / Materiale corpo:			GRP
26	CORROSION ALLOWANCE / Sovraspessore di corrosione:		mm	N.A.
27	CODE REQUIREMENTS / Norme richieste:			2006/42/CE - 2006/95/CE - 2004/108/CE UNI EN ISO 12100:2010 - UNI EN 60204-1 (CEI 44-5)
28	CONNECTIONS / Connessioni	FLUID / Fluido: IN /OUT		1.1/2"Threaded BSP-F (GAS-F)
29		DRAIN / Scarico:		1"Threaded BSP-F (GAS-F)
30		VENT / Sfiato:		NONE
31	BY-PASS FOR MAINTENANCE / By-pass per manutenzione:			NO
32	TYPE OF SUPPORT (IF APPLICABLE) / Tipo di supporto:			N.A.
33	GASKETS / Guarnizioni:			N.A.
34	ELASTOMERS / Elastomeri:			N.A.
35	POWER SUPPLY		V, Hz	220 V, 50Hz
36	INSTALLED POWER		W	10
37	THERMAL INSULATION TYPE / Tipo isolamento: N.A.	THICKNESS / Spessore:	mm	N.A.
38	**REMARKS**			
39				
40	**(2) Items included:** **- Local panel with communication port to PSC's PLC** **- Automatic multiport filtered valves for filtration and backwash** **- Internal flow distributor and bottom filter strainer in PP** **- Nameplate**			
41				
42				
43				
44				

REV. Rev.	DATE Data	DESCRIPTION Descrizione	PREPARED Compilato da	CHECKED Controllato da	APPR. BY Approvato da
2	08/11/2024	Issued for Information	IT	RM	RM
1	22/07/2024	Issued for Information	WR	RM	RM
0	05/06/2024	Issued for Information	ED	RM	RM