Base Load Power Hub (BLPH)

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
	26-11-2024

GENERAL ARRANGEMENT AND DATA SHEET- SEA WATER COARSE FILTER A-50003

Document Number: 1724000448-MAC-DA-00006

Document Class: 3

Rev.	Date	Description	Prepared	Reviewed	Approved
02	21/11/2024	Issue for Information (IFI)	WR	RM	RM
01	19/07/2024	Issue for Information (IFI)	WR	RM	RM
00	05/06/2024	Issue for Information (IFI)	ED	RM	RM

PSC

Reference: DOC No. PK2885-P-003

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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

No.	Description
1.	
2.	
3.	
4.	

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Supplier: ELFI

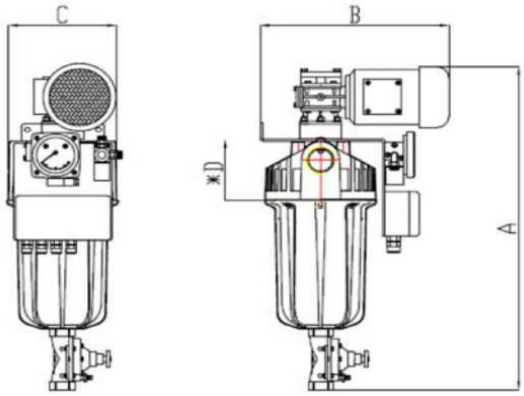
Models: MSCR_PP 1''1/2-7

TAG=A-50003

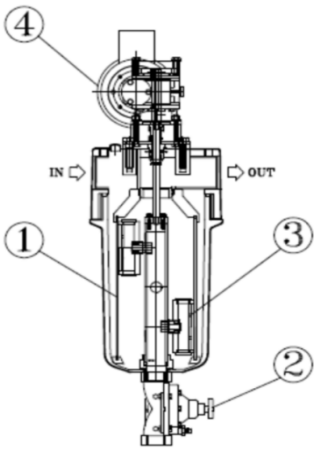
WEIGHT= 7 kg

DIMENSIONS

	Description	Dimens. mm
A		610
B		320
C		190
D	Cartridge extraction	250
	Connection IN/OUT	Threaded 1.1/2" Gas Female
	Discharge	Threaded 1'' Gas Female



Material	
Body	PP
Cover	PP
Mesh support strainer	PVC
Filtering mesh	PES
Protection mesh	PP
Suction nozzle	PE
Nozzle support	PVC
Nozzle pipe	PVC
Internal seals	EPDM



1 FILTER ELEMENT
2 DISCHARGE VALVE
3 SUNCTION NOZZLE
4 ELECTRIC MOTOR

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

Sh. 5 / 5

PLANT: Impianto: Water treatment package	**CUSTOMER:** Cliente: Rosetti Marino S.p.A		
LOCATION: Località: HOLLANDSE KUST NOORD	**JOB:** Commessa: PK2885	**ITEM:** Sigla: A-50003	
DEPARTMENT : Reparto	**P&I :** 1724000448-PR-PID-00013	**MFR:** Costruttore: ELFI	**DOC.Nr.** Doc. Nr.: PK2885-M-001

1	SERVICE OF UNIT / Servizio: Coarse 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:	OPERATING INLET	m^3/h	2.5
5	OPERATING / DESIGN PRESSURE / Pressione di esercizio		barg	4 / 6
6	OPERATING TEMPERATURE / Temperatura di esercizio:		°C	1.3 / 20.2
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 WASHING PHASE FLOW RATE		m^3/h	2
13	MAX WASHING PHASE DURATION TIME		sec	15
14	DESIGN PRESSURE / Pressione di progetto:		barg	6
15	TEST PRESSURE / Pressione di prova :		barg	15
16	DESIGN TEMPERATURE / Temperatura di progetto:		°C	50
17	FILTER TYPE (Tipo di filtro)			Pressure and vertical, self cleaning, filter basket type element
18	FILTRATION AREA		cm^2	700
19	FILTER DIMENSIONS		mm	Diameter 190 mm, height 610 mm
20	FILTER EMPTY AND OPERATING WEIGHT		kg	7 / 25
21	FILTER MATERIAL / Materiale filtrante:			PVC
22	SUCTION NOOZLE MATERIAL / Materiale aspirazione ugello :			PP
23	FILTER HOLES DIAMETER / Diametro fori del filtro:		µm	125
24	FILTER REMOVAL EFFICIENCY / Efficienza di filtrazione		%	95
25	BODY MATERIAL / Materiale corpo:			PP
26	CORROSION ALLOWANCE / Sovraspessore di corrosione:		mm	N.A.
27	CODE REQUIREMENTS / Norme richieste:			PED 2014/68 2006/42/CE 2014/35/UE 2014/30/UE
28	CONNECTIONS / Connessioni	FLUID / Fluido:	IN /OUT	Threaded 1.1/2" GAS F
29		DRAIN / Scarico:		Threaded 1" GAS F
30		VENT / Sfiato:		NONE
31	BY-PASS FOR MAINTENANCE / By-pass per manutenzione:			NO
32	FILTER TWIN OR SINGLE / Filtro doppio o singolo:			Single
33	TYPE OF SUPPORT (IF APPLICABLE) / Tipo di supporto:			N.A.
34	GASKETS / Guarnizioni:			N.A.
35	ELASTOMERS / Elastomeri:			N.A.
36	POWER SUPPLY		V, Hz	220V, 50Hz
37	INSTALLED POWER		W	90
38	THERMAL INSULATION TYPE / Tipo isolamento: N.A.	THICKNESS / Spessore:	mm	N.A.
39	**REMARKS**			
40				
41				
42				

REV. Rev.	DATE Data	DESCRIPTION Descrizione	PREPARED Compilato da	CHECKED Controllato da	APPR. BY Approvato da
02	21/11/2024	Issued for Information	IT	WR	RM
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00	24/06/2024	Issued for Information	IT	WR	RM