Base Load Power Hub (BLPH)

Technical Data Sheet – Air Release Valve

Document Number: 123A90-DDL-PP-DS-70007

Document Class: 2

02	12/12/2024	Accepted for Construction (AFC)	MMA	CBO	DLO
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Rev.	Date	Description	Prepared	Reviewed	Approved

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Revision / Change Log

Rev.	Description
00	Issue for Review (IFR)
01	Accepted for Construction (AFC)
02	Accepted for Construction (AFC)

HOLDS LIST

No.	Description
1	
2	
3	
4	

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1 REFERENCE OF DOCUMENTS

The VENDOR shall design, manufacture, and test the equipment and auxiliary systems included in the scope of the supply strictly in accordance with the Data Sheet, Project Specifications, codes, and standards listed as follow. The applicable codes and standards include also those referenced inside the following documents.

1.1 PROJECT DOCUMENTS

Designation	Doc. Number	Rev.
Piping Material Classes	123A90-DDL-PP-SP-70000	(1)
Coating and Painting Specification	123A90-DDL-MAT-SP-60006	(1)
Technical Specification for Manual Valves and Strainers	123A90-DDL-PP-SP-70030	(1)
Piping Special Items List	123A90-DDL-PP-LIS-70061	(1)
Material Requisition - Air Release Valve	123A90-DDL-PP-MR-70065	(1)
NOTES: (1) Latest revision		

2 DEFINITIONS AND ABBREVIATIONS

2.1 DEFINITIONS

COMPANY or Client (CPY):	Crosswind
CONTRACTOR (CTR):	ROSETTI MARINO S.p.A.
PROJECT:	HOLLANDSE KUST NOORD WIND PARK Project
SUPPLIER or VENDOR	Means the entity defined as such in the PURCHASE ORDER

2.2 ABBREVIATIONS

PMC	Piping Material Classes
SP	Special part
SS	Stainless Steel
P&ID	Piping and Instrumentatio Diagram

3 ITEM LIST – AIR RELEASE VALVE

SP Number	Qty	Line number	P&ID	Description	PMC
SP-0043	1	1"-SWS-222-01SD-E	80021	Air Release Valve	01SD
SP-0044	1	1"-SWS-221-01SD-E	80021	Air Release Valve	01SD

4 AIR RELEASE VALVE DATA SHEET AND DRAWING

4.1 AIR RELEASE VALVE DATASHEET

ITEM	SP-0043 SP-0044
TYPE	Air Release Valve
Quantity	2
P&ID NUMBER	123A90-DDL-PR-PID-80021
LINE NUMBER	1"-SWS-222-01SD-E 1"-SWS-221-01SD-E
PIPING CLASS	01SD
NOMINAL PIPE SIZE	1" (33 mm thickness 4mm)
RATING	150#
END CONNECTIONS	1" Flanged RF ASME B16.5
CORROSION ALLOWANCE	0.0 mm
DETAILS	
DESIGN CODE	Manufacturer's Standard and ASME B16.5
BODY MATERIALS	ASTM A 182 Gr. F55
FLANGE MATERIALS	According to ASME B16.5/ASTM A182 Gr. F55
PAINTING	According to doc. N° 123A90-DDL-MAT-SP-60006
BOLT MATERIALS	ASTM A193 GRADE B7, A194 GRADE 2H, Hot dip galvanized

GASKET MATERIALS	Gasket Spiral Wound Thk 3.2 mm S32760+Graphite c/w Inner Ring
ADDITIONAL	
DESIGN AND OPERATING CONDITIONS	
DESIGN TEMPERATURE	80 °C
OPERATING TEMPERATURE	From 1.3 to 22 °C
DESIGN PRESSURE	7.6 barg
OPERATING PRESSURE	5.6 barg
TEST PRESSURE	HYDROSTATIC SHALL TESTING VALUES 11.4 barg HYDROSTATIC SEAT TESTING VALUES 8.4 barg
FLUID	Sea Water

Note:

1. Vendor to confirm and provide Air Release Valve suitable for fluid and design conditions
2. Design, Fabrication, Inspection and testing as per Manufacture Standard and ASME B16.5
3. Vendor to provide Name Plate in SS material
4. Vendor to clarify installation
5. Vendor to confirm Air Release Valve model type required for adequate service.

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4.2 AIR RELEASE VALVE DRAWING

