Base Load Power Hub (BLPH)

TDS - UV Water Filter - S-50010

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Document Class: 2

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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)

HOLDS LIST

No.	Description
1.	
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General Notes :

1) UV filter is included in the Water Treatment Package A-50000 (WTP) 1

2) WTP Supplier be aware that the platform is unmanned for six (6) months. Therefore Supplier is responsible to select the UV Filter to ensure 6 months of continuos troublefree operations. Number of lamps/redundancy shall be determined by Supplier according to the above criterion 1

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APPLICABLE TO: ○ PROPOSAL ● PURCHASE ○ AS BUILT PO NO.

FOR: **CROSSWIND** UNIT: **WATER SYSTEM**

SITE: **BLPH - Hollandse Kust Noord (HKN)** SERVICE: **FRESH WATER UV FILTER**

MANUFACTURER: MODEL No.: SERIAL NO.:

NOTE: ○ INDICATES INFORMATION TO BE COMPLETED BY PURCHASER ☐ BY MANUFACTURER ☒ BY MANUFACTURER OR PURCHASER

DESIGN MANUFACTURE & TESTING SHALL CONFORM TO: ○ RTIP SPECIFICATIONS: ○ OTHER:

ITEM NO.: **S-50010** NUMBER IN SERVICE: **1** STANDBY: **N/A** WAREHOUSE SPARE: **N/A**

○ OPERATING CONDITIONS

LIQUID: **Fresh Water**

OPER TEMP: **24.7** (°C) MAX (°C) MIN (°C)

OPER PRESS: **6** (barG) MAX (barG) MIN (barG)

FLOW RATE, NORMAL: **(1)** m^3/h RATED: **(1)** m^3/h

SPECIFIC GRAVITY: VISCOSITY: (cP)

ABSORBTION COEFFICIENT:

CONTAMINANTS:

CHARACTERISTICS:

SUSPENDED SOLIDS: SOLIDS BY WT: %

PARTICLE SIZE: AVG (µm) MAX (µm)

MAXIMUM ALLOWABLE PRESSURE DROP: (barG)

EXPECTED CLEAN PRESSURE DROP: (barG)

☒ NOZZLE SCHEDULE

DESCRIPTION	MARK	SIZE	RATING-FACE
INLET	*	*	*
OUTLET	*	*	*
DRAIN	*	*	*

☒ DESIGN CONDITIONS:

MAXIMUM WORKING PRESSURE: * (barG)

MAXIMUM OPERATING TEMPERATURE: * (°C)

HYDROSTATIC TEST PRESSURE: * (barG)

MDMT: **-29** (°C)

☒ DESIGN

TYPE: * NO. OF ELEMENTS: *

TYPE OF ELEMENTS: *

RTD SERVICE LIFE @ NML FLOW (to 70% of initial dosage) * (m^3)

CONSTRUCTION:

DIAMETER: * (mm) LENGTH * (mm)

POSITION: ● VERTICAL ○ HORIZONTAL

UV RAD DOSAGE (at 70 % of initial dosage) (µw-sec/cm2)

○ CLASS A; 40,000 ● CLASS B; 16,000

Class A devices are intended for use on untreated surface or ground water applications

Class B devices are intended as supplemental treatment of disinfected drinking water systems

☐ MODEL NO. OF UV LAMP

☒ MATERIALS

ELEMENT: **Stainless Steel**

HOUSING: **Stainless Steel**

CORROSION ALLOW: **N/A** (mm)

ELASTOMERS:

☒ CONTROLS / INSTRUMENTATION

	MEASURE	VISUAL ALARM*	AUD. ALARM*	SHUT-IN*
UV IRRAD LOW	☒	☒	☒	☒
TEMPERATURE	☒	☒	☒	☒
LAMP HOURS	☒	☒	☒	☒

* not usually required with class B systems

○ SITE CONDITIONS

LOCATION: ● INDOOR ○ OUTDOOR

○ SHADE ● PARTIAL SHADE ○ UNPROTECTED

RANGE OF AMB. TEMP. MIN (°C) MAX (°C)

ALTITUDE ~~23,1~~ **30.31** (m) 23,31 optional location

ELEC SUPPLY VOLTAGE **400** PHASE **3** HERTZ **50**

ELEC AREA CLASS ZONE GR

TEMP ○ UNCLASSIFIED

○ PAINT AND SHIPMENT PREPARATION

○ MANUFACTURER'S STD PAINT

● OTHER: Suitable for Marine Environment (C3)

SHIPMENT ○ DOMESTIC ○ EXPORT ○ EXPORT BOXED

NUMBER OF MONTHS OF STORAGE ○ Greater than 6 months

☐ WEIGHT: DRY (kg) OPERATING (kg)

REMARKS

*** By Supplier**

(1) ~~Actual capacity is determined by Fresh Water Pump P-50009 A-B, according to need of additional recirculation flow, if needed by the prump~~