TUBE-CLEANING SYSTEM (CTCS/ZBL™)

DATA SHEET WITH THE MINIMUM DATA REQUIRED FOR QUOTATION

Please fill in one (1) data sheet per size of tube-cleaning system.

1. General

Date:	16-Aug-2023	Data Sheet Revision No.:	01

2. Project Information

Company Name:			
Project Name:			
Type of Project:	Retrofit (**)	Water Source:	Sea

(*): “New” means construction of a new plant.
(**): “Retrofit” means upgrading or revamping of an existing plant.

Note: TBA = To Be Advised by Beaudrey

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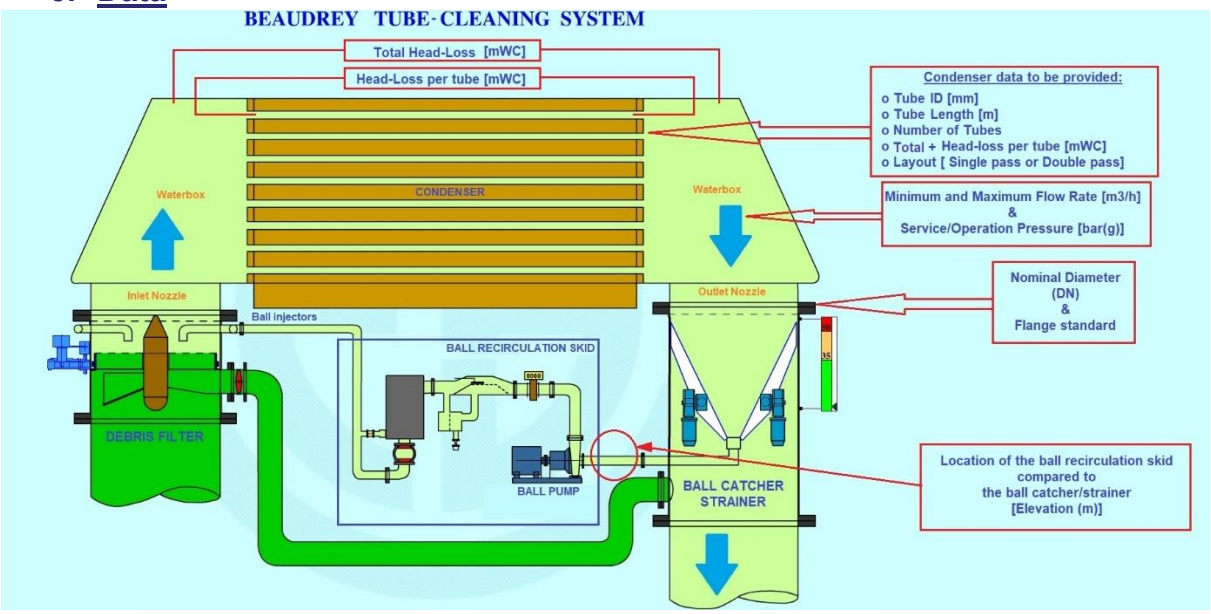
2.1 For a NEW project, the following documents/drawings must be provided together with this data sheet:

General arrangement drawing of the Condenser / Heat Exchanger	☐
Isometric drawing of the piping from the outlet nozzle/waterbox of the condenser / heat exchanger	☐
General arrangement drawing showing the location of the ball recirculation skid (Skid)	☐
Condenser data sheet	☐
Piping & Instrumentation Diagram (PID) of the condenser and inlet/outlet piping	☐

2.2 For a RETROFIT project, the following documents/drawings must be provided together with this data sheet:

General arrangement drawing of the Condenser / Heat Exchanger	☐
Isometric drawing of the piping from the outlet nozzle/waterbox of the condenser / heat exchanger	☐
Condenser data sheet	☐
Piping & Instrumentation Diagram (PID) of the condenser and inlet/outlet piping	☐
Pictures of the location/waterbox concerned by the modification/upgrading	☐
<u>For the retrofit of an existing Tube-cleaning system please provide the following:</u>	
General arrangement drawing of the existing tube-cleaning system	☐
General arrangement drawing of the existing ball recirculation skid (Skid)	☐
Piping & Instrumentation Diagram (PID) of the condenser, the tube-cleaning system and the skid	☐
The Operation and Maintenance Manual (OMM)	☐
The Cross Sections drawings (if available)	☐
The type of sponge balls currently used (OD and density)	☐
Pictures of the existing tube-cleaning system & skid or the location concerned by the modification	☐

3. Data



Quantity of tube-cleaning system(s) required:	1	
Quantity of ball catchers/strainers required:	1	
Type of tube-cleaning system (see ***Note***):	Single system	
Location of the skid compared to the ball catcher (Elevation):		m
Minimum flow rate per Ball Catcher:		m³/h
Maximum flow rate per Ball Catcher:		m³/h
Condenser layout:	Single pass	
Nominal Diameter of the outlet nozzle/waterbox (*):	**DN**	(e.g., DN 1200 or DN 48”)
Flange standard of the outlet nozzle/waterbox:	ISO PN6	
Total Head-Loss/Pressure drop of the Condenser (**):		mWC
Minimum head-Loss/pressure drop per tube (**):		mWC
Service/Operation Pressure (***):		bar(g)
Design Pressure:		bar(g)
Tube ID:		inch
Tube length per pass:		m
Number of tubes per pass:		

(*): If the value is in ***inches*** instead of millimeters, please show the symbol (**”**) after the numerical value.
(**): Please indicate the head-loss values at minimum flow rate.

(***): Pressure at the ***outlet*** of the condenser.

Note:

- ***Single*** means one (1) ball recirculation skid for each ball catcher.
- ***Twin*** means one (1) ball recirculation skid for two (2) ball catchers.
- ***TBA*** = To Be Advised by Beaudrey

4. Materials

Shell with internal lining/coating (if not SS):	CARBON STEEL WITH INTERNAL PAINT COATING
Internal parts:	SS304(L) [EN 1.4301 / 1.4307]

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Comments:

Name of Person in Charge:	
Signature here:	