



Exploration & Production

GENERAL SPECIFICATION

CORROSION

GS EP COR 104

Material Selection and Corrosion control for Sea Water Lift Pump and Water Discharge Caissons

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1. Scope

This document defines the general technical requirements for the specification of internal and external protection systems against corrosion for the following:

- Sea water lift pump and fire water pump caissons including pump strings
- Discharge (also referred to as “dump”) caissons for offshore use which include raw sea water, de-aerated sea water, produced water, open drain and sewage caissons.

The purpose of the specification is to define:

- The internal corrosion protection requirements for lift pump caissons
- The internal corrosion protection requirements for discharge caissons
- The external coating requirements all types of caissons
- The corrosion protection requirements for internal pump strings including the connection pipework commonly referred to as the “rising main, or “pump risers”.

Specific applications such as “drilling cuttings” caissons which have particular requirements for erosion service are outside the scope of this standard.

Similarly J- tubes are outside the scope of this document.

2. Reference documents

The reference documents listed below form an integral part of this General Specification. Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and supplements, is the latest revision published at the EFFECTIVE DATE of the CONTRACT.

Standards

Reference	Title
Not applicable	

Professional Documents

Reference	Title
DNV-RP-B401	Cathodic protection design

Regulations

Reference	Title
Not applicable	