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BSI Standards Publication

Ships and marine technology — Bunker fuel mass flow meters on receiving vessel — Requirements

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National foreword

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Foreword

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Introduction

Accurate measurement of large quantities of bunker fuels received by ships around the world has historically been difficult, with many ships relying on outdated methods of verification, such as before-and-after manual measurement of fuel tank levels. The potential for inaccuracies is significant and can result in disputes between the fuel supplier and the ship.

This document addresses the need for standardization of meters used to accurately measure the quantity of fuel received. Traditionally, volumetric flow meters have raised accuracy concerns because of the potential for air and other gases to affect the measurement of the fluid. Also, entrained air can cause inaccurate shipboard tank readings during and immediately after bunkering.

Accurate measurement of bunker fuel receipt quantities using mass flow meters will result in greater efficiencies in the ship bunkering process and reduce disputes.

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