

Marine Selfunloaders

# Cement handling system



**TECHNICAL INFORMATION**

*UBC Canada  
UBC Cyprus  
UBC Chile*

# MacGregor cement handling system

Three shipsets of MacGregor cement handling gear are installed on the 15,000 dwt bulk carriers, *UBC Canada*, *UBC Cyprus* and *UBC Chile*

In 2008, Intership Navigation Co Ltd, Cyprus, signed a contract for MacGregor selfloading and unloading cement handling systems for a series of three 15,000 dwt bulk carriers, *UBC Canada*, *UBC Cyprus* and *UBC Chile*. The vessels were built at Shandong Huanghai Shipbuilding in China, and the first to be delivered, *UBC Canada*, entered operation in 2010. The final two vessels, *UBC Cyprus* and *UBC Chile*, were completed in 2011.

The systems are designed for mechanical and pneumatic loading and unloading. They are also primed for future mechanical bulk unloader installations, which will be able to unload cement directly into tank trucks at a rate of 300t/h.

*UBC Canada* trades along the East Coast of Australia and to and from Tasmania, while *UBC Cyprus* and *UBC Chile* supply

cement between Karachi and Colombo in the Indian Ocean.

## System description

The installed cement handling systems are designed for maximum performance and flexibility for a variety of different port loading and unloading arrangements.

Horizontal screw conveyors are used for cement distribution on deck during both loading and unloading operations. For reclaiming cement, aeration panels are used to fluidise material in the holds and vertical screw conveyors elevate the cargo from the holds to deck level.

Two duplex blow pump systems convey the cement to shore in pipelines at an optimised rate.

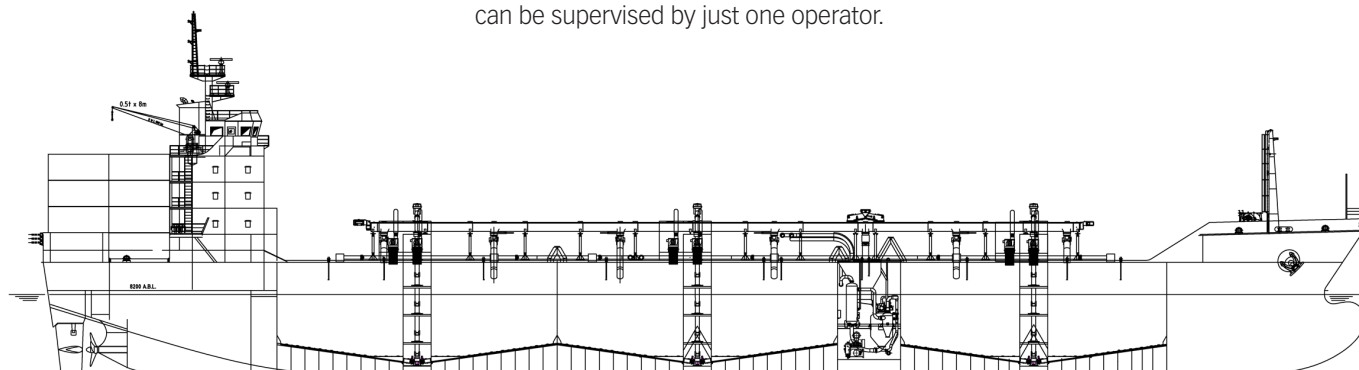
The systems also comprise MacGregor electrical control systems for automatic loading and unloading operations that can be supervised by just one operator.

## Vessels dimensions

Length o.a.	132m
Breadth max.	22,5m
Depth to main deck	11m
Draft	7.8m
Deadweight	15,000 dwt

## System data

Rated loading capacity:	
Mechanical	1,000t/h
Pneumatic	2 x 300t/h
Rated discharge capacity:	
Mechanical	300t/h
Pneumatic	2 x 300t/h



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Lloyd's Register Quality Assurance certifies that the Quality Management System for Cargotec Marine is ISO 9001:2008 compliant.

Cargotec improves the efficiency of cargo flows on land and at sea – wherever cargo is on the move. Cargotec's daughter brands Hiab, Kalmar and MacGregor are recognised leaders in cargo and load handling solutions around the world.

MacGregor is the global market-leading brand in marine cargo handling and offshore load-handling solutions. Customer-driven MacGregor engineering and service solutions for the maritime transportation industry and the offshore load-handling and naval logistics markets are used onboard merchant ships, offshore support vessels, and in ports and terminals.

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