

Marine Selfunloaders

Full Flow Gate

MacGregor Full Flow Gate delivers greater cargo capacity while minimising material flow disruptions as well as environmental impact

MacGregor basket gates are designed to operate in gravity self-unloading vessels to transfer free-flowing bulk material from the ship's cargo hold onto the hold conveyors. In association with variable speed belt conveyors, basket gates ensure the perfect combination for selecting and varying the discharge capacity to meet local requirements.

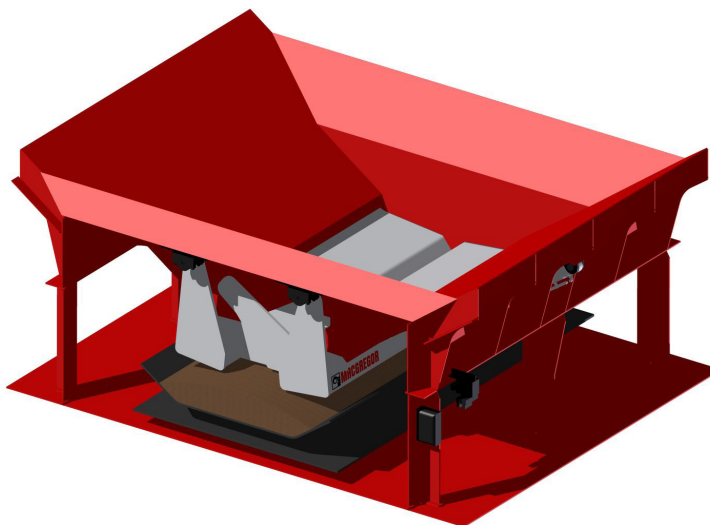
As part of its continuing R&D investment, Cargotec has developed the MacGregor Full Flow Gate. Solid engineering work based on customer input and the different material characteristics of cargoes such as particle size, bulk density and moisture content, has resulted in a new product with a wider gate opening, generating increased capacity and minimising material flow disruptions. The gate can handle for example, coal, iron ore, gypsum rock and aggregates.

Advantages

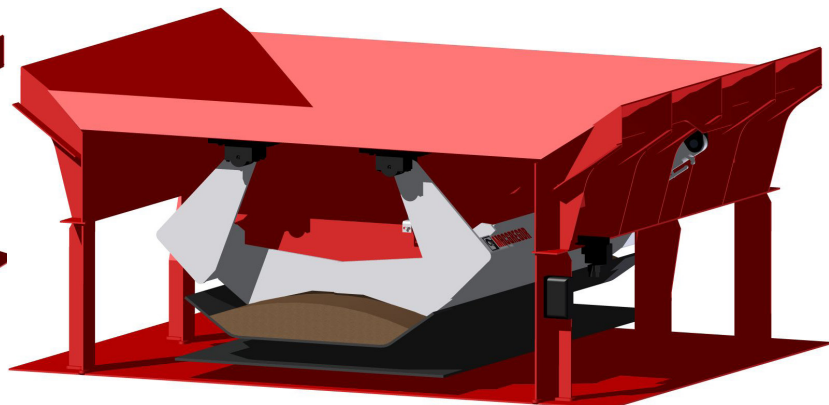
- greater cargo capacity
- increased discharge rate
- minimised material flow disruptions
- less space required

Thanks to the placing of the gate cylinders on the sides, the hog backs can be arranged much more efficiently, thus the MacGregor Full Flow Gates require much less space than traditional gates.

Overflow protection on the long sides and shear plates on the short sides of the gate help to create an optimal material profile. At the same time it enables the conveyor system to be stopped and restarted without changing the flow and the shape of the material.



MacGregor full flow gate in closed position



A MacGregor full flow gate in its open position



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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