

Press Release

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Marex OS II-3D: The Whole Ship in One Hand

Rexroth now extends its proven remote control Marex OS II by an intuitive Joystick control.



A surplus for every vessel: Marex OS II-3D.

The open control system Marex OS II from Rexroth now offers even more cruising comfort: In addition to the traditional control head, the remote control can now be extended on request by joysticks. The use of the joystick allows the captain to control the entire ship with only one hand. Thus, he can concentrate on maneuvering.

The basic idea of this innovative maneuvering is to control the vessel only by movement of intuitive joystick without having to coordinate drive components individually. The Marex OS II-3D, thus facilitates a steering of a ship by the integration of all propulsion components in a 3-axis joystick. The joystick has two modes: it can be used as control unit for the bow or stern thrusters or as vector control unit for all propulsors (3D-mode). Thus, the captain depending on the situation can decide at any time whether he wants to use the traditional control levers together with the lever for the bow and stern thruster or to use the comfortable maneuvering assistant. In 3D-mode, the directions of movement of the joystick are directly translated into signals for each propulsor based on vector control.

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Therefore, both sideways and rotational movements can be accurately implemented. A combination of commands is possible.

The integration of the joystick control system into the proven system architecture of the Marex OS II guarantees the highest flexibility. Due to the modular set-up, the system is extremely adaptable. Whether waterjets, rudder propellers, controllable or fixed pitch propeller applications – there is a solution for all type of propulsion line. All the components of the Marex OS II-3D can be configured to your individual needs and application requirements. All can be tuned up to each other, from the joystick control unit to the 3D-controller up to the thruster interfaces with preconfigured CAN-cables. The system is also suitable to retrofit or extend existing systems.

Rexroth on BOOT: hall 11 / B22

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