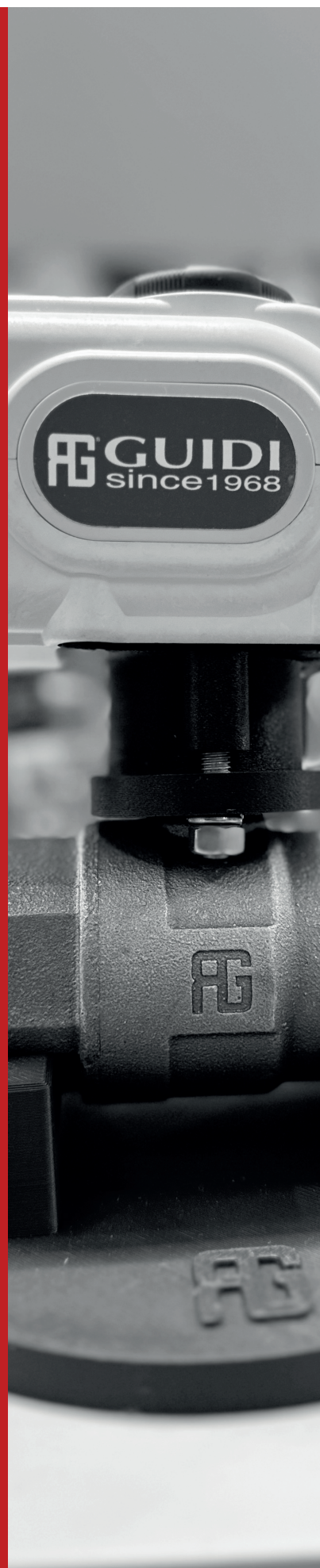


PLUG AND PLAY MOTORIZED BALL VALVE

ITEM 2300AE



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Our motorized ball valve is designed to be easily installed and used in a variety of settings in the marine environment. The plug and play system allows the motor to be mounted onto an existing valve by simply removing the manual operating lever.

The motor is mounted onto the 2300 full flow ball valve.

The 2300 valve has a CC499K bronze body and sleeve, the ball is CW617N brass and is protected by a surface treatment that makes it more resistant to fouling. The 2300 is RINA approved and complies with the UNI EN ISO 9093-1 standard.

Key features of the plug and play system

Easy installation: the valve is easy to install. The motor can be installed after the valve body is assembled. The plug and play system allows the motorization to be added to an existing valve in the system, without having to replace it.

Manual operation: the valve can be manually operated using the 304 stainless steel lever located on the top of the motor, providing continuous control in any situation, even when the motor is not powered.

Versatile power supply: the electric motor supports both 12V and 24V power supplies, adapting to different electrical configurations. The wiring diagram is silkscreened on the motor for easy connections.

Position signaling: the valve is equipped with sensors to indicate “open” and “closed” positions, providing feedback on the status of the valve.

Adjustable opening/closing times: the opening and closing times can be set according to specific needs (by Guidi), keeping in mind that the torque generated by the motor is inversely proportional to the speed.

Interface with on-board logics: the valve can be integrated with boat control systems via 5-20mA signals, allowing programmed opening and closing and providing information on the ball position.

Anti-fouling coating: the valve ball is coated with a special material that reduces friction and prevents the adhesion of marine organisms (fouling), ensuring efficient operation over time.

Advantages

- Easy to install and operate
- Versatility of supply
- Manual control if required
- Integration with on-board systems
- Low maintenance due to anti-fouling coating

Typical applications

- hydrodynamic and exhaust systems on boats
- Fluid control systems in industrial settings
- Automation of processes requiring flow control

Cautions

The choice of optimum **open/close times** depends on the specific requirements of the system and the type of fluid used.

The anti-fouling coating helps reduce maintenance, but the ball may need to be **cleaned periodically** if excessive debris accumulates.

The longer life option - Durabilità & Riciclabilità

Product design aims at an increasingly accurate and sustainable life cycle analysis.

Each product has an extremely long life, with guarantees of quality and operation, maintaining the physical and mechanical characteristics of its constituent materials over time, with very little need for routine maintenance during the period of use and operation.

The easy separation of parts during disassembly makes it possible to extend the life of the materials beyond the life of the components.

In fact, after decommissioning, each product is almost completely recyclable through processes that allow the realization of secondary raw materials.





Don't forget to share your ideas with us!

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