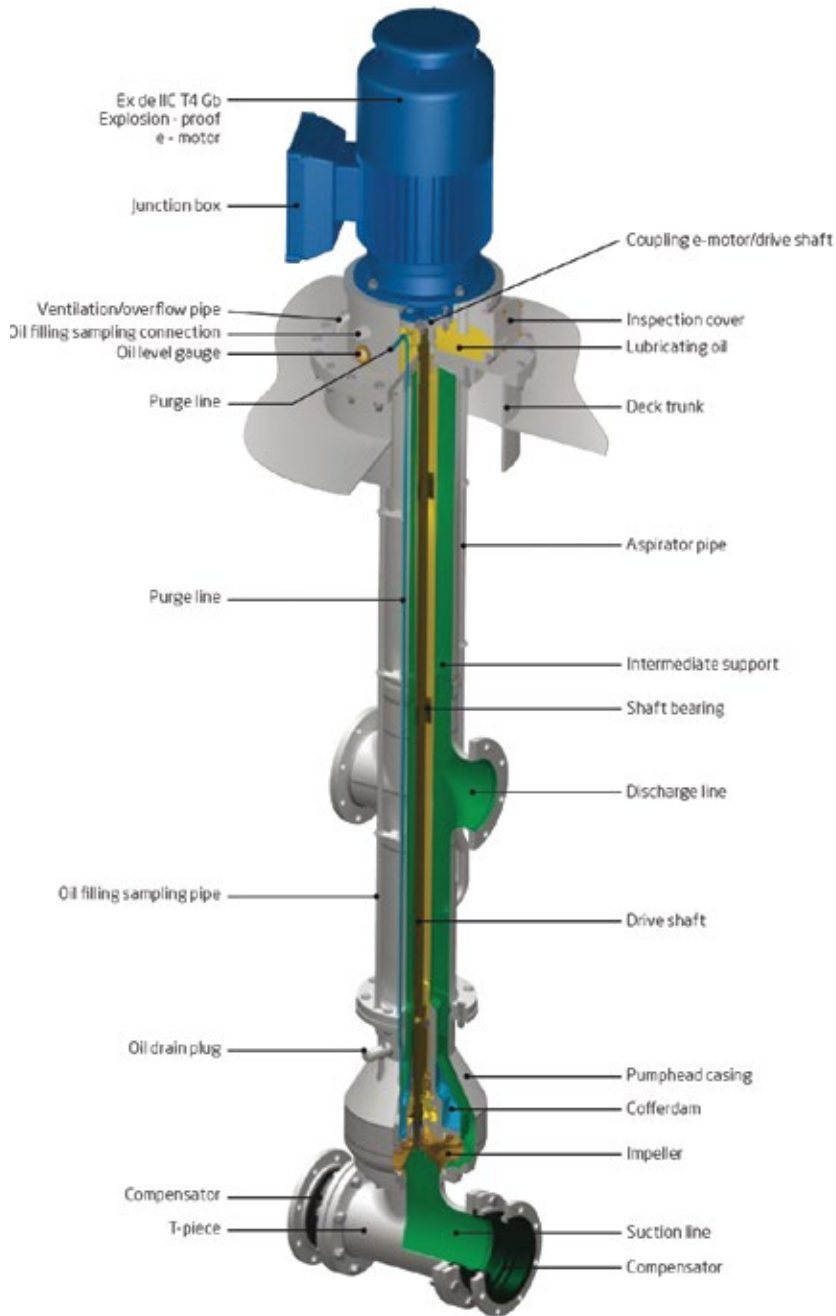


# MarFlex Ballast Deepwell Pump Concentric (MBDPC)





# MarFlex Ballast Deepwell Pump Concentric (MBDPC)

Ballast equipment is crucial for the operation of tankers. The MarFlex Ballast Deepwell Pump Concentric pump discharges water from the ballast water tanks to trim the vessel during loading or off-loading. The pumps, including E-motors, are ATEX (ATMosphères EXplosibles) certified.

## The deepwell pump has four main sections:

- The electric motor (located on deck)
- Deck arrangement (including top cover and deck trunk)
- Pipe stack (located in the tank)
- Pump head (located in the tank)

## Materials Used

All ballast pumps are standard-made in stainless steel A316L. We can also supply other materials such as Duplex steel and Super Duplex steel. These materials make the pump cost-efficient while still offering high resistance to corrosive seawater.

## The benefits of the MarFlex Deepwell pump:

- Total system efficiency is approximately 20% higher compared to a hydraulic-driven system
- Low noise levels
- Easy and quick installation and commissioning thanks to the electrical drive
- Robust and straightforward AC motor
- Clean system (no potential leaking of oil on deck)
- Less maintenance
- The pump bearings will never run dry because of the oil-lubricated shaft
- The pump can run at relatively high speeds because of the oil-lubricated shaft and bearings
- No shaft alignment problems
- Fixed coupling between the shaft of the drive motor and the driveshaft
- Usage of MarFlex electrical drive (VSDS) gives the opportunity of gathering process information and reporting functionality

## Contact for more information

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