

OFFSHORE GAS FIELD FPSO

Floating Production, Storage and Offloading units (FPSOs) play a critical role in offshore oil and gas production, where reliability, safety, and performance under extreme operating conditions are essential. In this demanding environment, the AJ Series 985 Triple Eccentric Butterfly Valves have proven to be the ideal solution.

Offshore oil and gas fields require equipment capable of perform flawlessly under constant high pressure, very corrosive marine exposure and continuous operation.

Considering these critical service conditions, a valve system capable of withstanding offshore environments is required, while also providing tight shut-off and sealing performance, long service life, and minimal maintenance. Additionally, full compliance with stringent safety and fire-safe standards must be ensured.

Proven offshore performance, material integrity, and operational reliability were key priorities for an Australian offshore operator when selecting the AJ Series 985.

The triple eccentric butterfly valves represent the ideal solution, combining a compact footprint with reduced operating torque, outstanding sealing performance and materials designed to withstand corrosive marine environments.

The installed valves for this FPSO comprise special configurations with nickel aluminium bronze and carbon steel with internal cladding in Inconel 625. The selected materials are fully suitable for seawater service and offshore environments, with additional quality requirements applied in accordance with major reference standards. The sizes range from DN 750 to DN 900. The valves are actuated with pneumatic actuators.

Application

Floating Production, Storage and Offloading units (FPSO)

Challenge

High-pressure gas streams, harsh marine conditions

Solution

- Triple Eccentric Butterfly Valve AJ Series 985, Primary, double flanged short pattern with nickel aluminium bronze body and disc
- Triple Eccentric Butterfly Valves AJ Series 985, Primary, double flanged short pattern with casted carbon steel body and disc

