



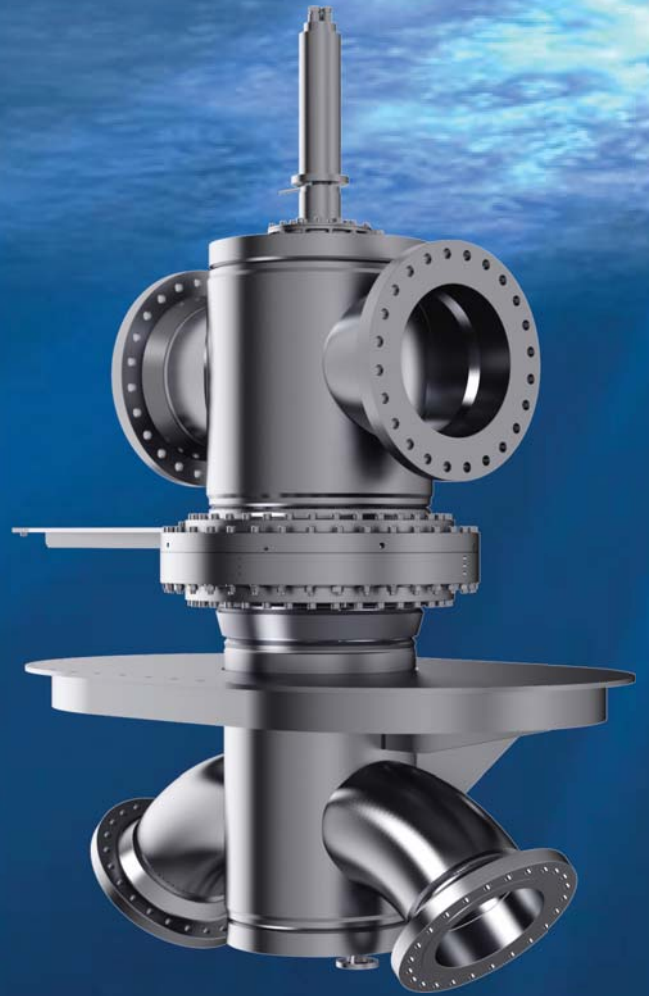
Flexible Engineered Solutions

# FES International CALM Buoy Swivel

The FES International CALM Buoy Swivel combines practical experience and precision design to ensure efficient performance to suit all client requirements.

Bespoke project design allows FES to accommodate a wide range of pipe configurations, with single, dual and triple fluid path swivel assemblies.

Using state of the art sealing and bearing systems, the CALM buoy swivel allows for full rotation while maintaining fluid transfer of a wide range of products including Oil, LPG, water and other fluids, and can also incorporate electrical and hydraulic system lines.



- 25 year design life – based on continuous service
- Leak Detection system incorporated into sealing design
- Swivel design allows vessels to weathervane freely
- Single, double and triple product designs available
- Experienced design team allows for bespoke designs to meet any and all project requirements
- In-House test facilities for complete Factory Acceptance, Pressure and Rotational testing
- 3rd party accreditation available if required (DNV, ABS, BV, Lloyds etc.)
- Carbon Steel as standard, other materials available to suit the product (e.g. Duplex)

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# *Leaders in Fluid Transfer Solutions*

**Disconnectable Turret Systems  
Turret Swivels  
Hydraulic - Electric Stab Plates  
Diverless Bend Stiffener Connectors  
In-Line Swivels  
CALM Buoy Swivels  
Pressure Balanced Weak Link Couplings**



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