

Buckle Migration Buoyancy Modules

At higher temperatures and pressures a pipeline's natural tendency is to relieve its axial stress by buckling. Left uncontrolled, this buckling can have serious consequences to the integrity of a pipeline.

In the past, the industry has relied upon restraining pipelines by trenching and burying or in-line expansion spools. As a solution, to control the formation of lateral buckles along the pipeline and alleviate stress on buckles, Flotation Technologies designed its Buckle Migration Buoyancy Module, a cost-effective and attractive solution. Buckle Migration Buoyancy Modules decrease lateral friction and reduces severity of buckle bending by using buoyancy to decrease the operational submerged weight of the pipeline.

Buckle Migration Buoyancy Modules are custom designed based on customer specifications and provide integral clamping systems that are able to meet axial and torsion load requirements. Buckle Migration Buoyancy Modules are manufactured with a superior inner core material, prolonging the longevity of the product. Flotation Technologies' Buckle Migration Buoyancy Modules offer designs to meet the requirements of both critical and non-critical time installations no matter the lay method, vessel space or handling restriction.



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A company with depth

Flotation Technologies, Inc. is a world leader in the engineering, design and manufacture of deepwater buoyancy systems using high-strength Flotec™ syntactic foam and polyurethane elastomers.



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