

Umbilical Free-Flooding Rate Testing

Ensuring adequate flow through umbilical interstices

We complete umbilical free-flooding rate testing at our sites in Rosyth, Scotland and Niteroi, Brazil. This ISO-specified test is used to quantify the flow rate longitudinally through the interstices of an umbilical cross-section design. The test provides the installation contractor with information on the rate at which the umbilical will expel air and fully submerge during installation and influences the rate at which a vessel can safely install the umbilical.



FEATURES

Representative test conditions

Variations in test procedures at client's request

ISO 13628-5 / API 17E Compliant

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Technical data

	Rosyth capabilities	Niteroi capabilities
Umbilical OD	Up to 12.6 in / 320 mm	Up to 9.65 in / 254 mm
Flow measurement system	Graduated Reservoir and Chronometer	Graduated Reservoir and Chronometer
Umbilical orientation	Horizontal	Horizontal
Sample length	9.9 ft / 3 m	9.9 ft / 3 m
Applicable industry standards	ISO 13628 - 5 - Petroleum and natural gas industries - Design and operation of subsea production systems - Part 5: Subsea umbilicals API 17E	ISO 13628 - 5 - Petroleum and natural gas industries - Design and operation of subsea production systems - Part 5: Subsea umbilicals API 17E

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