

# Liquefied Natural Gas (LNG)

## Floating Ball Valves



Liquefied natural gas (LNG) is a cryogenic fluid mainly composed by methane (CH<sub>4</sub>) in liquid state. It is obtained by cooling the natural gas to  $-162^{\circ}\text{C}$  reducing its volume approximately by 600 times. This operation is extremely important to enhance the storage and transportation efficiency.

LNG service comes with some challenges as flammability and extremely low temperatures.

Vinco ball valves are designed to operate in cryogenic service up to  $-196^{\circ}\text{C}$  with high levels of tightness and fire safe design incorporated.

BILL OF MATERIALS					
ENCLOSURE	BALL	STEM	SEATS	SEALS	PACKING
STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	TFM 1600	PTFE GRAPHITE	TFM 1600 GRAPHITE

FEATURES		
Self-adjust live loaded packing ISO 5211 adapter Double encapsulated body seals	Expansion chamber Upstream relief hole Unidirectional	Firesafe certified Fugitive emissions design Anti-static ATEX design

CRYOGENIC RANGE	
CXF	CCF
	