CAMERON

TECHNICAL SPECIFICATIONS

JISKOOT High Performance LNG Vaporizer

Cameron's JISKOOT™ high performance LNG vaporizer overcomes the problems experienced by traditional vaporizers that are low powered and have single-stage cyclic control. The JISKOOT vaporizer solves the problems of prevaporization (fractionation) and measurement errors caused by these traditional designs.

A high flow rate and heating consistency are achieved using a specially designed, single-piece vaporizer block coupled with a closed-loop, PID-controlled heat source. The single-piece block is CFD designed and profiled to ensure that energy is introduced efficiently and directly to the process flow.

The vaporizer is available in both GRP and stainless steel housing materials, and an optional integrated fast loop bypass ensures the vaporizer is able to maintain the liquid LNG phase up to the vaporization inlet, even in the most demanding of installations.

The JISKOOT vaporizer can even be used in applications with a long vaporizer inlet tubing run or those with sub-optimal probe/tubing insulation that can cause energy gain to the process before the vaporizer.

Low Uncertainty

When the vaporizer is coupled with Cameron's IsoFraction® automatic sampling system, operators report a significant improvement in uncertainty, achieving typically better than ±0.2%.

Unaffected by Pressure and Flow Rate

The JISKOOT vaporizer is designed to be unaffected by changes in line pressure or flow rate.

CAMERON

Fully Automatic

The vaporizer does not need any operator setup or intervention, minimizing the risk of operator-induced errors.

Reliability and Simplicity

Cameron has used its process-solving approach to produce a reliable and robust assembly that has low maintenance and installation costs.

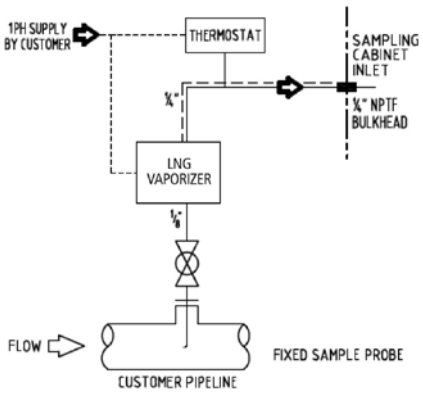
System Overview

The vaporizer has been designed to maintain the vaporization temperature required to re-gasify the LNG. Each assembly comprises of a re-gasification block, a smart-controlled 500 watt heater, and a pressure regulator.

Specifications

Fluids Sampled	Liquid natural gas
Operating Temperature	-324° F to 100° F (-198° C to 38° C)
Maximum Operating Pressure	25 bar
Configuration	Flow through
Operating Range	Up to 28 l/min
Inlet Connection	1/8" OD tube (left)
Outlet / Bypass Connection	1/4" OD tube (right)
Standard Materials	Pressure retaining: 316 stainless steel
Explosion Protection	ATEX II 2 G EEx IIC T3 IP65
Ambient Temperature Range	-58° F to 140° F (-50° C to 60° C)
Mounting Details	Panel mount using 4 x M10 bolts, 380 mm x 280 mm (W x H)
Enclosure Dimensions	GRP – 485 mm x 385 mm x 240 mm (W x H x D) Stainless steel – 460 mm x 360 mm x 150 mm (W x H x D)
Approximate Weight	GRP – 35 lb (16 kg) Stainless steel – 40 lb (18 kg)
Nominal Voltage	220 to 250 VAC
Consumption	500 watts maximum
Electrical Entries	1 x M20

Installation Example



LOCATIONS

North and South America
14450 JFK Blvd.
Houston, TX 77032
USA
Tel 1 281 582 9500
ms-us@c-a-m.com

Europe, Africa, Caspian, and Russia
JISKOOT Technology Centre
Longfield Road
Tunbridge Wells
Kent, TN2 3EY
United Kingdom
Tel 44 1892 518000
ms-jiskootuksales@c-a-m.com

Asia Pacific
Suite 16.02 Menara AmFirst
No. 1 Jalan 19/3
46300 Petaling Jaya
Selangor Darul Ehsan
Malaysia
Tel 603 7954 0145
ms-kl@c-a-m.com

Middle East
Level 9, Al Jazira Club Tower A
PO Box 47280, Muroor Road
Abu Dhabi
United Arab Emirates
Tel 971 2 596 8400
ms-uk@c-a-m.com

ALGERIA • CANADA • CHINA • INDIA • MALAYSIA • RUSSIA • UAE • UK • USA

www.c-a-m.com/measurement