

LNG Bunkering Barge

- ✧ LNG bunkering barges are a type of barge that arranges the LNG bunkering system on unpowered barges, which are used in inland water areas to refuel other ships with LNG fuel.
- ✧ The barge bunkering system's composition includes cryogenic storage tanks, cold boxes, cryogenic liquid pumps, pressurized vaporizers, buffer tanks, metering devices, bunkering devices (bunkering arms or flexible connection equipment), and electrical control systems.
- ✧ The design and production shall comply with the CCS "Specification for Liquefied Natural Gas Fuel Refueling Barges."
- ✧ The main specifications of pontoons include 2*60m³, 2*100m³ and 2*250m³.

● Technical Specification

1	Geometric Volume	100m ³	150m ³	200m ³	250m ³
2	Effective Volume	90m ³	135m ³	180m ³	225m ³
3	Adiabatic System	High vacuum multi-layer winding insulation			
4	Design Pressure(MPa)	1.0/0.1			
5	Working pressure(Mpa)	0.70/Vacuum			
6	Design Temperature(°C)	-165			
7	Working Temperature(°C)	162/50			
8	Sealed-off Vacuum Degree(Pa)	0.03	0.05	0.05	0.05
9	Static Evaporation Rate(%/d)	0.105	0.085	0.40	0.32
10	Main Vessel Material	S30408			
11	Empty Weight(Kgs)	48000	64200	80800	93300
12	Total Weight(Kgs)	88500	124900	161800	194550
13	Design Code	GB/150-2011, GB/T18842-2019			

