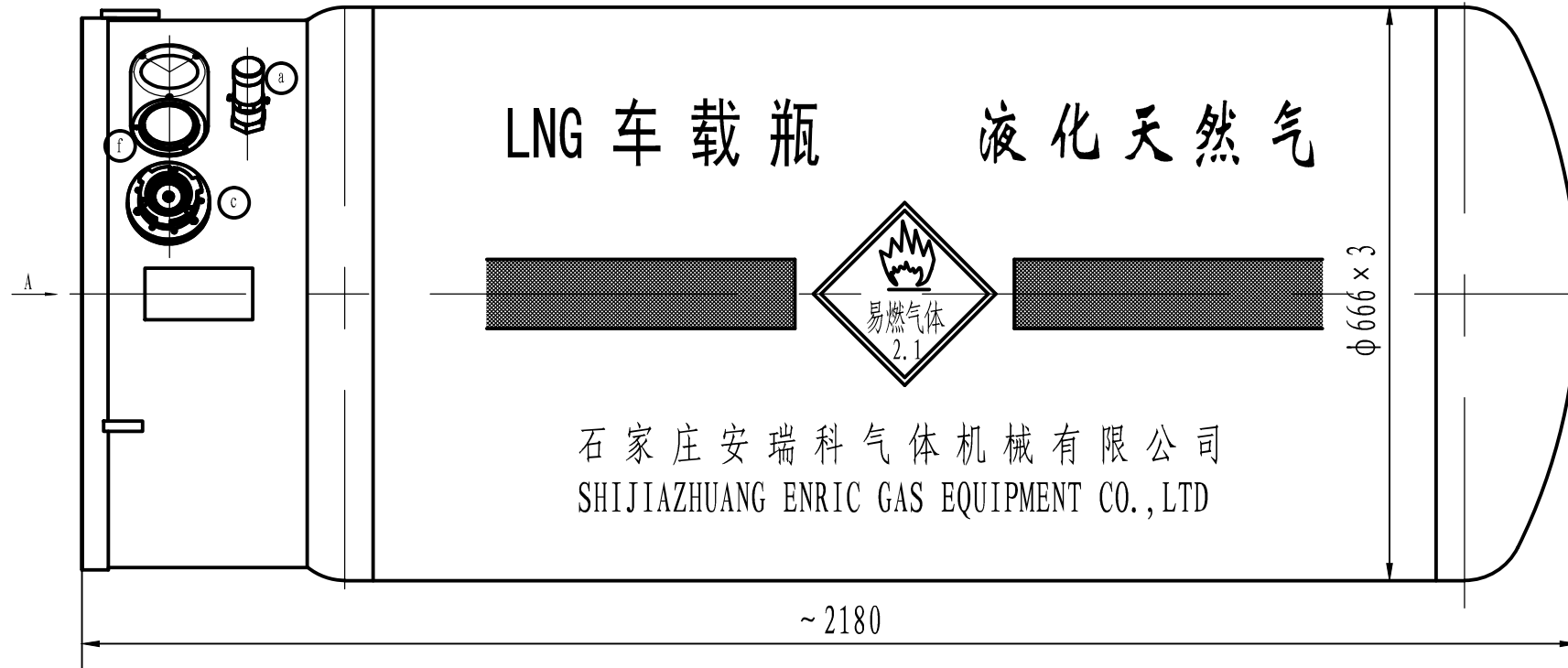


00-60dD

Note: Unit of Length Is mm, Unit of Weight Is kg.



Design parameter	Name	Inner vessel	Outer Vessel
Design code		Q/SH125-2012 (Liquefied natural gas cylinders for vehicles)	
Working Pressure	MPa	1.6	-0.21
Design Temperature	°C	-196	60
Operating Temperature	°C	-162	-40 ~ 60
Main material		S30408	S30408/SUS304
Nominal volume	L	500	132.4
Fluid Contained		LNG	Aluminum foil and Paper
Net volume	L	460	
Maximum Filling Weight	kg	196	
Corrosion Allowance	mm	0	0
Static evaporation rate (LN <sub>2</sub> )	d%		< 2.0
Vacuum interspace leak rate	Pa · m <sup>3</sup> · s <sup>-1</sup>		< 6 × 10 <sup>-8</sup>
Leak and outgassing rate	Pa · m <sup>3</sup> · s <sup>-1</sup>		< 6 × 10 <sup>-7</sup>
Insulation Vacuum Degree	psi Pa		< 2 × 10 <sup>-2</sup>
Air Test Pressure	MPa	3.2	
Leak Test Pressure	MPa	1.6	
Insulation form		High vacuum + Multilayer	

Nozzle Table

Item	Nominal Diameter	Connection dimension and standard	Connection	Function or Name
a	3/8"		quick connector	Gas Nozzle
b	6	φ10 × 1 (φ12 × 1) GB/T14976-2012	Socket	Liquid Outlet
c	1/2"		quick connector	Liquid Inlet
d	1/4"			Technic
e	20			Vacuumizing Nozzle
f	1/4"	NPT1/4 GB/T12716-2002	screw thread	pressure Gauge
h'	8	φ12 × 2 GB/T14976-2012	Socket	Secondry safety valve
h	8			Relief valve

Mark	Number	Doc. No.	Signature	Date	LNG VEHICLE FUEL TANK CDPW600-500-1.6-IV	Drawing Number	DP09-00
Duty	Signature	Date	Assembly			Scale	1:10
Designed By					Page Number	Total 2, Page 1	
Approved By					Weight	298	
Accepted by Ai					Shijiazhuang Enric Gas Equipment Co., Ltd.		