



SinoCleansky

中国华科
SinoCleansky

The CNG & LNG Specialist for You!



北京华科天洁科技有限责任公司
BEIJING SINOCLEANSKY TECHNOLOGIES CORP

Company Profile>>>

Beijing SinoCleansky Technologies Corp is a leading manufacturer of key equipment in Natural Gas industry and an integrated supplier of one-stop-solution for CNG/LNG/NGV with product, technology and service.

Since 2006, SinoCleansky has been focusing on the gas industry, and developing its professional teams, manufacturing facilities and supply chain network. SinoCleansky headquarter is located in Beijing, and factories in Beijing Economic Circle and Yangtze River Delta. Thanks to its mass production and technology, SinoCleansky is committed to becoming your first CNG LNG specialist.

SinoCleansky key product lines:

I.SinoCleansky CNG & LNG Vessel

SinoCleansky enjoys great advantage in CNG and LNG Transportation & Storage equipment, incl cylinder, tank, ISO tank container, and lorry tanker. Particularly the CNG & LNG virtual pipeline solution:

CNG jumbo tube container;

LNG T75 ISO Tank container;

LNG road tanker, microbulk and bulk tanks.

II.SinoCleansky LNG Microbulk Regas Station

A smart and modular design on one skid for small LNG application, which is very convenient for deploy and relocate.

III.SinoCleansky Engineered Solutions

Mini LNG plant, LNG and LCNG Refueling station, LNG regasification satellite station and etc.,

SinoCleansky gas equipment is in accordance with the most stringent international standards, incl ISO, ASME, TPED and etc, approved and certified by international inspection authorities which ensure a long-term safe and good use. You can always turn to SinoCleansky for gas container and solution at the whole CNG/LNG supply chain.

公司简介>>>

北京华科天洁科技有限责任公司是一家专注于气体设备和能源装备的专业技术公司。秉承专业服务，依靠优秀团队，立足中国制造，覆盖国际市场。

华科公司致力为国际市场提供优良的中国产品和技术：

- 工业气体设备：气瓶，储罐，设备和工程；
- CNG /LNG/ NGV：产品，系统，服务；
- 相关专用设备与技术。

自2006年成立以来，华科公司为全球工业气体和天然气行业客户提供了可靠的产品和方案，同时还服务于焊割、医疗、消防、水处理等众多行业客户。

华科公司以“让天空更洁净”为使命，立志成为全球用户的最优中国设备供应商。华科人专业专心，以优秀服务和优良产品，成为客户的终身伙伴。海纳百川，追求卓越。华科天洁愿与国内外广大客户和供应商真诚携手，长期合作！

SinoCleansky , Gas Container & Solution

◆ Mission:

To make our sky cleaner!

◆ Vision:

*To be an excellent partner
in global industrial sectors.*

◆ Value:

*Service foremost;
Pursuit of excellence;
Being deeply grateful in
all relationships.*

使命：

让天空更洁净！

愿景：

立志成为全球
工业领域的卓越合作伙伴。

价值观：

服务至上，
追求卓越，
感恩图报。



Reliability & Efficiency

Professional

Service

2



Popular models for industrial Gas and CNG

Suitable for CNG, He, Ar, N2 and Air, the filling capacity will vary depending on the medium.

Model No.	SCS08-2450-CNG	SCS09-2450-CNG	SCS10-2450-CNG	SCS12-2450-CNG	SCS16-2450-CNG	SCS12-1066-CNG
Cylinder quantity	8	9	10	12	16	12
Filling medium	CNG	CNG	CNG	CNG	CNG	CNG
Steel type	4142	4142	4142	4142	4142	4142
Working Pressure	25Mpa	25Mpa	25Mpa	25Mpa	25Mpa	25Mpa
Cylinder Water Capacity	2450L	2450L	2450L	2450L	2450L	1066L
Cylinder size/mm	φ559*11580	φ559*11580	φ559*11580	φ559*11580	φ559*11580	φ559*5400
Wall thickness/mm	14.8	14.8	14.8	14.8	14.8	14.8
Working temperature	-50℃~65℃	-50℃~65℃	-50℃~65℃	-50℃~65℃	-50℃~65℃	-50℃~65℃
Equipment weight/kg	23,680	27,020	29,600	34,805	45,305	17,580
Total weight/kg	28,088	31,981	35,112	41,417	54,195	20,480
Water volume/M³	19.60	22.05	24.50	29.40	39.20	12.79
Filling gas volume/Nm³	6.174	6.945	7.717	9.261	12.348	4.029
Overall Dimension/(L*W*H)mm	12192*2438*1400 (skid)	12192*2438*1890 (skid)	12192*2438*1890 (skid)	12192*2438*2000 (skid)	12192*2438*2595 (skid)	6058*2438*2000 (skid)

Light models for Hydrogen

Customization available upon your request.

Model No.	SCS08-2450-H2	SCS10-2450-H2	SCS12-2450-H2	SCS08-2210-H2	SCS09-2210-H2	SCS11-2210-H2
Cylinder quantity	8	10	12	8	9	11
Filling medium	H2	H2	H2	H2	H2	H2
Steel type	4130X	4130X	4130X	4130X	4130X	4130X
Working Pressure	20Mpa	20Mpa	20Mpa	25Mpa	25Mpa	25Mpa
Cylinder Water Capacity	2450L	2450L	2450L	2210L	2210L	2210L
Cylinder size/mm	φ559*11580	φ559*11580	φ559*11580	φ559*10975	φ559*10985	φ559*10985
Wall thickness/mm	14.8	14.8	14.8	18.4	18.4	18.4
Working temperature	-50℃~65℃	-50℃~65℃	-50℃~65℃	-50℃~65℃	-50℃~65℃	-50℃~65℃
Equipment weight/kg	23,680	29,600	34,805	27,420	30,417	34,380
Total weight/kg	23,983	29,980	35,265	27,764	30,804	34,923
Water volume/m³	19.60	24.50	29.40	17.68	19.89	24.30
Filling gas volume/Nm³	3.565	4.455	5.345	4.018	4.520	5.523
Overall Dimension/(L*W*H)mm	12192*2438*1400 (skid)	12192*2438*1890 (skid)	12192*2438*2000 (skid)	12192*2438*1400 (skid)	12192*2438*1890 (skid)	12192*2438*2591 (skid)

Pressure Regulating Unit for CNG

Customization available upon your request.

PRU (PRMS)	CNG 200 PRU	CNG 500 PRU	CNG 1000 PRU	CNG 2000 PRU	CNG 3000 PRU	CNG 6500 PRU
Model Name	SCS-CNG200	SCS-CNG500	SCS-CNG1000	SCS-CNG2000	SCS-CNG3000	SCS-CNG6500
Medium	CNG	CNG	CNG	CNG	CNG	CNG
Max. Inlet Pressure	25Mpa	25Mpa	25Mpa	25Mpa	25Mpa	25Mpa
Outlet Pressure	0.2~0.4Mpa	0.2~0.4Mpa	0.2~0.4Mpa	0.2~0.4Mpa	0.2~0.4Mpa	0.1Mpa
Flowrate	200Nm³/h	500Nm³/h	1,000Nm³/h	2,000Nm³/h	3,000Nm³/h	6,500Nm³/h

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www.sinocleansky.com



www.cnglng.com



CNG Virtual Pipeline



SinoCleansky
Gas Container & Solution

Your Best CNG Transport Trailer!



40ft / 20ft – 8 tubes up to 16 tubes, Max. capacity: 12,348Nm³/set
ISO 11120 Standard, with Third-Party Certification.

Product: High Pressure Jumbo Tube Skid Container: Cascade | MEGC | Trailer.

Medium: CNG, Hydrogen, Helium, Nitrogen, Argon, Purified Gas, Compressed Air, Specialty Gases, etc.



Manufacturer: A world-leading manufacturer of high-pressure jumbo tube containers.

Certification: Jumbo cylinder produced as per standard ISO 11120, DOT, or TPED approval. Jumbo tube containers (MEGC) are certified to ADP, IMDG, CSC, and RID, with inspection reports issued by BV, LR, TÜV, or an equivalent third-party.

Technology: Heat-spinning seamless forming, walking-beam continuous Q&T, hydrostatic and ultrasonic NDT, streamlined cabin design — for greater safety and longer service life.

SinoCleansky jumbo tube cylinders, cascades, containers, trailers are widely used for ground stationary storage, intermodal transportation and gas distribution.

6,000+ Annual Capacity **100+** Esteemed Clients **20+** Years of Professional Experience

北京华科天洁科技有限责任公司
BEIJING SINOCLEANSKY TECHNOLOGIES CORP



Africa



Asia



Latin America



Europe



Middle East



Oceania

We supply jumbo tube skids/trailers all over the world!



Trustworthy partner for CNG
You can enjoy our premium CNG jumbo tube skids



We provide all the auxiliary CNG equipment you need:
trailer chassis, PRMS, and more.

Chassis: 20ft & 40ft; 2 axles & 3 axles
Reinforced type for tough roads.

PRMS: Pressure Regulating
& Metering System
Customized solutions from
200Nm³/h to 6,500 Nm³/h





Guide for LNG Solution Model Selection

SinoCleansky provides engineered LNG solutions based on gas consumption volume. Various LNG supply models are optional. Sample scenarios are listed below:

Gas consumption Nm ³ /day	LNG Supply Model Name	Max. Gas Supply Nm ³ /h
Below 200	LNG Cylinders	N-7/ N-11
100~2,000	LNG Cylinder Cascade Skid Station	200Nm ³ /h; Typical models: 100,150,200Nm ³ /h
Around 500~2,000	LNG Microbulk Station	200Nm ³ /h;
500~50,000	LNG Modular Regas Station	2,000Nm ³ /h;

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LNG Virtual Pipeline



Making victory by microbulk



LNG storage

Security monitoring

Regasification

Signal remote transmission

Pressure regulation

Automatic switchover

Measurement

Emergency shut-off

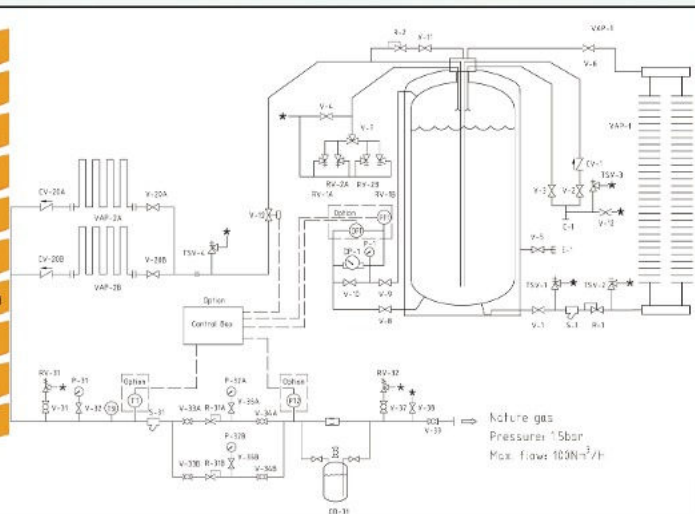
Odorization

All on one skid!

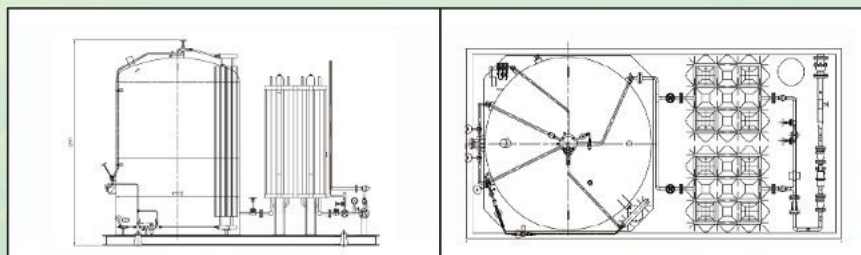
 北京华科天洁科技有限责任公司
 BEIJING SINOCLEANSKY TECHNOLOGIES CORP

LNG Microbulk Regas Station

LNG storage
Regasification
Pressure Regulation
Measurement
Odorization
Security Monitoring
Signal remote transmission
Automatic Switchover
Emergency shut-off...
All on one skid!



One Skid for All !!!

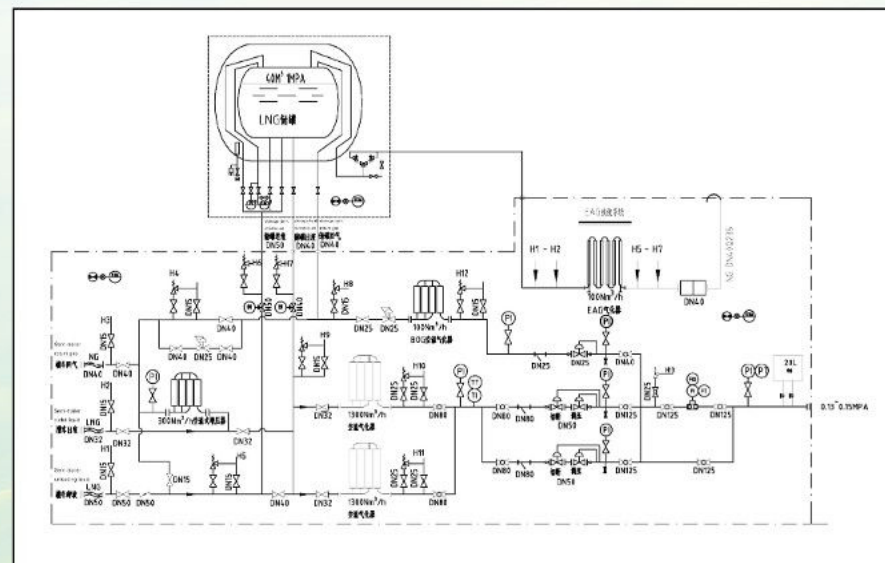


Capacity: 1m³, 2m³, 3m³, 5m³, 7.5m³, 10m³, up to 20m³.

Redesigned P&ID layout, more compact, user-friendly skid for easy operation



LNG Modular Regas Station



SinoCleansky manufactures modular LNG regasification stations for diverse projects.

The complete solution consists of:

1. LNG storage tanks: 20 m³ ~ 200 m³, vertical or horizontal type;
2. LNG regasification & pressure regulating skids: custom-designed and skid-mounted;
3. LNG transportation options: LNG ISO tank containers and LNG lorry tankers.



LNG Cylinders



LNG Modular Station



LNG Lorry Tanker



LNG Bulk Storage Tank



LNG Regas Skid



LNG ISO Tank Container



SinoCleansky
Gas Container & Solution

Cryogenic ISO tank container

"We SinoCleansky specialize in designing and manufacturing cryogenic tank container since year 2006 with rich experience"



Product Features

- Technology: Super-vacuum multi-layer insulation
- Application: LOX, LIN, LAr, LCO₂, LN₂O, LNG storage and transportation
- Standard: ASME, GB150, EN13530 and other international standards
- Lloyd's Register CSC Certificate, BV Certificate and CCS Certificate

Specifications

Capacity: 10ft, 20ft, 40ft, with various capacities.

Working pressure: 0.8MPa, 1.6MPa, 1.8MPa, 2.2MPa, 2.3MPa, etc

Typical types

Standard	Main Specification	Filling medium	Working pressure	Water capacity	Material Inner / outer vessel
ASME	T75-20FT-8BAR	LOX / LIN / LAr (LNG optional)	0.8MPa	21.7 M ³	SA-240M 304/Q345R
ASME	T75-20FT-16BAR	LOX / LIN / LAr / LNG / LC ₂ H ₄ / LC ₂ H ₆	1.6MPa	21 M ³	SA-240M 304/Q345R
ASME	T75-20FT-22BAR	LOX / LIN / LAr / LCO ₂ / LN ₂ O	2.2MPa	21 M ³	SA-240M 304/Q345R
ASME	T75-20FT-23BAR	LOX / LIN / LAr / LCO ₂ / LN ₂ O	2.3MPa	21.1M ³	SA-240 304/Q345R
EN13530	T75-20FT-18BAR	LOX / LIN / LAr (LNG optional)	1.8MPa	21.7 M ³	1.4315/Q345R
EN13530	T75-20FT-22BAR	LOX / LIN / LAr / LCO ₂ / LNG LN ₂ O / LC ₂ H ₄ / LC ₂ H ₆	2.2MPa	21.4 M ³	1.4315/Q345R
GB	T75-20FT-22BAR	LCO ₂	2.2MPa	21.6 M ³	WH590E/Q345R
ASME	T75-40FT-8BAR	LNG (with emergency shut-off valve)	0.8MPa	45.7 M ³	SA-240M 304/Q345R



LOX
LIN
LAR
LCO
LNG



SinoCleansky
Gas Container & Solution

Customized service

- With or without pump
- Chinese pump or France Cryostar pump, USA Smith pump
- Dedicated or versatile for filling



Operation box with pump



Without pump



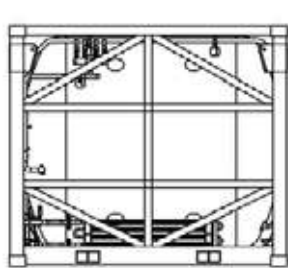
Vaporizer(PBU)



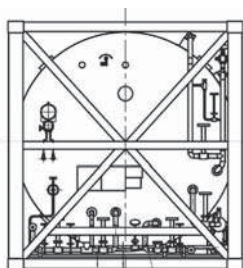
valves

Customized ISO Tank for Nitrogen purging application:

- Off-shore 10ft ISO tank with DNV approval: 2000gallon, DNV2.7-1, fully certified;
- On-land LiN transport tank as per ASME: 2000gallon & 3000gallon, for both transport & storage;
- Customization available.



Off-shore 2000gallon, DNV2.7-1



On-land 2000gallon & 3000gallon



SinoCleansky
Gas Container & Solution

Cryogenic Storage Bulk Tank

“One-stop solution of all sizes of liquid gases tanks”

We SinoCleansky specialize in development and production cryogenic tank since year 2006, with rich experience. The products are widely used in the LNG and other liquid industrial gas stationary storage, including LOX, LIN, LAr, LCO₂, etc.

SinoCleansky cryogenic tanks are equipped with high-vacuum multi-layer insulation or vacuum perlite insulation. To provide high-performance equipment, we make a series of stringent tests, including automatic welding process, X-ray and ultrasonic tests, vacuum production and testing, hydraulic tests, leak test for inner vessel, etc.

Cryogenic tank

Type: vertical, horizontal

Manufacture standard: GB, ASME, EN

Capacity 10M³ – 1000M³

Working pressure: 0.8MPa, 1.6MPa, 2.2MPa, 2.4MPa, etc

Medium: LOX, LIN, LAr, LCO₂, LNG



Production pictures





SinoCleansky
Gas Container & Solution

Typical model

Standard	Volume	Working Pressure	Medium
ASME/GB	10M ³	8bar	LOX/LIN/LAr
ASME/GB	10M ³	16bar	LOX/LIN/LAr
ASME/GB	15M ³	8bar	LOX/LIN/LAr
ASME/GB	15M ³	16bar	LOX/LIN/LAr
ASME/GB	20M ³	8bar	LOX/LIN/LAr
ASME/GB	20M ³	16bar	LOX/LIN/LAr
ASME/GB	30M ³	8bar	LOX/LIN/LAr
ASME/GB	30M ³	16bar	LOX/LIN/LAr
ASME/GB	50M ³	8bar	LOX/LIN/LAr
ASME/GB	50M ³	16bar	LOX/LIN/LAr
ASME/GB	10M ³	22bar	LCO ₂
ASME/GB	15M ³	22bar	LCO ₂
ASME/GB	20M ³	22bar	LCO ₂
ASME/GB	30M ³	22bar	LCO ₂
ASME/GB	50M ³ , 60M ³ , 120M ³ , 150M ³ , 200M ³ , 300M ³ , and more	8bar	LNG

ASME standard with or without U stamp .

With third party test reports ;
Factory test reports .

With international brand valves or Chinese brand valves.

Custom-made service for labels and name plates.

The warranty period for valves and gauges is one year. The warranty period for storage tank vacuum and painting is three years.

We provide one-stop solution for our clients, and supply customized cryogenic equipment, incl vaporizer and pump.

Shipment



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Beijing SinoCleansky Technologies Corp.



SinoCleansky
Gas Container & Solution

Cryogenic Transport Tanker

We keep devoting ourselves to the development and production of cryogenic liquid transport equipment. The products are widely used in the LNG and other liquid industrial gases storage and transport.

Portable Cryogenic Tank (PCT)

Manufacture standard: ASME
Capacity: 1M³, 2M³, 3M³, 4M³, 5M³, 7M³, etc.
Working pressure: 1.6MPa, 2.5MPa
Medium: LOX, LIN, LAr, LCO₂, LNG
Insulation: High-vacuum multi-layer insulation.



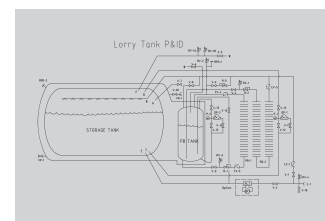
Cryogenic Road Tanker (without chassis, without pump)

Manufacture standard: ASME
Capacity: 3M³ - 20M³.
Working pressure: 1.6MPa, 2.2MPa, 2.4MPa, etc
Medium: LOX, LIN, LAr, LCO₂, LNG
Insulation: High-vacuum multi-layer insulation.



Cryogenic Road Tanker with PB tank (without chassis)

Cryogenic Road Tanker with PB tank (without chassis)
Manufacture standard: ASME
Capacity: 3M³ - 20M³.
Working pressure: 1.8MPa
Medium: LOX, LIN, LAr, LCO₂, LNG
Insulation: High-vacuum multi-layer insulation.



Cryogenic Road Tanker with pump (without chassis)

Manufacture standard: ASME
Capacity: 3M³ - 20M³.
Working pressure: 0.4MPa
Medium: LOX, LIN, LAr, LCO₂, LNG
Insulation: High-vacuum multi-layer insulation.



MicroBulk Delivery Systems (with pump & flowmeter)

Insulation: High-vacuum multi-layer insulation.
Volume: 1057-5283 gal / 4-20M³
Discharging pressure: 0.8-3.5MPa / 0.8-1.6MPa
Medium: LOX, LIN, LAr, LCO₂, LNG
Note: We only provide loading part of lorry tanker, without chassis and head.





SinoCleansky
Gas Container & Solution



Cryogenic Semi-trailer for industrial Gas LOX,LIN,LAr

NO	NAME	LOX Semi-trailer		LIN Semi-trailer		LAr Semi-trailer	
1	Model No	SCS-GB-27.39M ³ -0.3MPA		SCS-GB-37.2M ³ -0.3MAP		SCS-GB-22.8M ³ -0.3MAP	
2	Total Volume	27.39M ³		37.2M ³		22.8M ³	
3	Effective Volume	25.47M ³		34.6M ³		21.2M ³	
4	Working Pressure	0.3MPA		0.3MPA		0.3MPA	
5	Loading Medium	LOX		LIN		LAr	
6	Desdign Code	GB(Chinese Standard)		GB(Chinese Standard)		GB(Chinese Standard)	
7	Main Material	Inner Vessel	S30408	Inner Vessel	S30408	Inner Vessel	S30408
		Outer Vessel	Q345R	Outer Vessel	Q345R	Outer Vessel	Q345R
8	Design Temperature	-196/50℃		-196/50℃		-196/50℃	
9	Isolating Type	High Vacuum Multilayer Insulating		High Vacuum Multilayer Insulating		High Vacuum Multilayer Insulating	
10	Total Net Weight	10940KG		12080KG		10445KG	
11	Dimensions	12065×2520×3455mm		12720×2520×3700mm		11950×2520×3290mm	

Cryogenic Semi-trailer for LCO₂

NO	NAME	PARAMETERS
1	Model No	LCO ₂ Semi-Trailer
2	Design Volume	29.7M ³
3	Working Pressure	2.2Mpa
4	Loading Medium	LCO ₂
5	Design Code	GB (Chinese Standard)
6	Main Material(Inner Vessel)	WH590E
7	Design Temperature	-40/+50℃
8	Isolating Type	Foam
9	Total Weight	40000KG
10	Equipment weight	13270KG
11	Rated loading weight	26730KG
12	Dimensions	12610X2500X3630mm

Cryogenic Semi-trailer for LNG

NO	NAME	PARAMETERS	
1	Model No	SCS-ASME-52.6M ³ -0.7MPA	
2	Total Volume	52.6M ³	
3	Effective Volume	47.34M ³	
4	Working Pressure	0.7Mpa	
5	Loading Medium	LNG	
6	Design Code	ASME	
7	Main Material	Inner Vessel	S30408/S30408III
		Outer Vessel	Q345R/16MnII
8	Design Temperature	-196/50℃	
9	Isolating Type	High Vacuum Multilayer Insulating	
10	Total Net Weight	17440 KG	
11	Dimensions	13000x2500x3800mm	

Remark: 1. All the semi-trailer is with chassis without tractor head.

2. The parameter is for reference, the final datasheet based on production drawing.





SinoCleansky
Gas Container & Solution

Cryogenic Cylinder

"SinoCleansky's vast array of models offer everything you need to transport, store and dispense liquefied gases safely and securely"



Product Features

- Technology: high-vacuum multi-layer insulation
- Application: LOX, LIN, LAR, LCO₂, LNG storage and transportation.
- Standard: DOT-4L, EN1251, GB24159, ASME, and other international standards
- High-performance super insulation
- Minimum product vapor loss
- Convenient storage and transportation
- Customized vaporization coils provide constant gas flow rates

Product Introduction

Manufacturing standards: DOT-4L, EN1251, GB (Chinese standard), etc.

Water capacity: 175L - 1000L

Working pressure: 1.37MPa, 1.59MPa, 2.02MPa, 2.3MPa, 2.4MPa, 2.88MPa, 3.45MPa, etc.

Typical types (Vertical)

Standard	Type
GB24159	DPL450-175L/195L/210L-1.37 MPa
GB24159	DPL450-175L/195L/210L-2.3 MPa
GB24159	DPL450-175L/195L/210L-2.88 MPa
GB24159	DPL450-175L/195L/210L-3.45 MPa
GB24159	DPL450-232L-1.37 MPa
GB24159	DPL450-232L-3.45 MPa

Standard	Type
EN1251	EN160HP(175L-2.4 MPa)
EN1251	EN180HP(197L-2.4 MPa)
EN1251	EN200HP(216L-2.4 MPa)
DOT-4L	CT160HP(175L-2.02MPa)
DOT-4L	CT180HP(195L-2.02MPa)
DOT-4L	CT200HP(205L-2.02MPa)
DOT-4L	CT240HP(250L-2.02MPa)





SinoCleansky
Gas Container & Solution

Big capacity popular types (Vertical / Horizontal optional)

Standard	Type
GB24159	DPL700-410L-1.37Mpa Vertical
GB24159	DPL700-500L-1.37Mpa Vertical
GB24159	DPL700-410L-2.3Mpa Vertical
GB24159	DPL710-500L-2.3Mpa Vertical
GB24159	DPW650-410L/500L-1.59Mpa Horizontal
GB24159	DPW650-500L-2.5Mpa Horizontal
GB24159	DPW650-500L-3.45Mpa Horizontal
GB24159	DPL900-1000L-2.5 MPa Vertical



Customized Model Case

Manufacture standard: GB24159

Water capacity: 410L to 500L

Working pressure: 1.37MPa, 1.59MPa, 2.3MPa, 3.45MPa

Filling Medium: LOX / LIN / LAr / LCO₂ / LNG

Vaporization: ≤40Nm³/h



Detail pictures



Vaporizer



Name card



Valves



Pressure gauge

Shipment





SinoCleansky
Gas Container & Solution



CNG Cylinder for Vehicle

SinoCleansky specializes in providing a comprehensive solution of NGV, covering various products and services. Particularly, SinoCleansky has a strong advantage in providing the essential part of NGV, the high pressure cylinder, which is used to store the compressed natural gas on board the vehicle or as back-up storage as cascade cylinders.

- 📦 Type I CNG steel cylinder for vehicle
- 📦 Type II CNG composite cylinder for vehicle (steel liner hoop-wrapped with glass fiber)
- 📦 Type III CNG composite cylinder for vehicle (aluminum liner fully-wrapped with carbon fiber)
- 📦 CNG storage cylinder for cascade, both type I and type II and type III

SinoCleansky CNG cylinders are manufactured as per different international standards, principally ISO11439, ISO11119, NZS5454, ECE R110, NGV2-2000, DOT and etc. Our productions have been certified by the international third-party authorities including LRS, BV, SGS etc.

Type I CNG steel cylinder

Manufacturing standard: ISO11439, NZS5454, ECE R110
 OD: 232mm, 273mm, 279mm, 325mm, 356mm, 406mm, etc
 WC: 20L---225L
 WP: 20MPa

- 📦 Typical types

Standard	Type
ISO11439/ECER110	OD232-20L-20MPa
ISO11439/ECER110	OD232-22L-20MPa
ISO11439/ECER110	OD232-28L-20MPa
ISO11439/ECER110	OD325-55L-20MPa
ISO11439/ECER110	OD325-60L-20MPa
ISO11439/ECER110	OD356-60L-20MPa
ISO11439/ECER110	OD356-75L-20MPa
ISO11439/ECER110	OD406-100L-20MPa
ISO11439/ECER110	OD356-145L-20MPa
ISO11439/ECER110	OD356-150L-20MPa
NZS5454	NZ232-22L-20MPa
NZS5454	NZ273-50L-20MPa
NZS5454	NZ325-55L-20MPa
NZS5454	NZ325-60L-20MPa





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Type II CNG composite cylinder

Manufacturing standard: ISO11439, ECE R110

OD: 325mm, 356mm, 406mm, etc

WC: 50L-200L

WP: 20MPa

Typical types

Standard	Type
ISO11439/ECER110	CRP325-55L-20MPa
ISO11439/ECER110	CRP325-60L-20MPa
ISO11439/ECER110	CRP356-65L-20MPa
ISO11439/ECER110	CRP356-75L-20MPa
ISO11439/ECER110	CRP406-100L-20MPa
ISO11439/ECER110	CRP356-145L-20MPa



Type III CNG composite cylinder

Manufacturing standard: NGV2, ISO11119

OD: 373mm, 383mm etc

WC: 80L-207L

WP: 25MPa

Typical types

Standard	Type
NGV2	CRP373-80L-3600Psi
NGV2	CRP383-200L-3600Psi



CNG storage cylinder for cascade

OD: 229mm, 356mm, 406mm, etc

WC: 50L-200L

WP: 25MPa or 20MPa

Shipment





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LNG Engineered Solution

Beijing SinoCleansky Technologies Corp specializes in natural gas industry and supplies a one-stop-solution for LNG and CNG with product, technology and service.

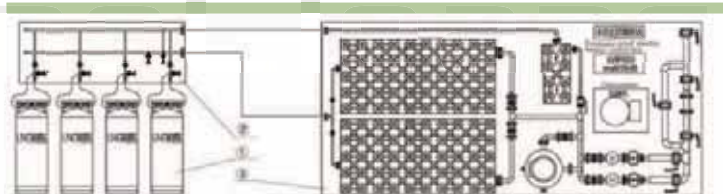
For professional clients of Mini LNG, LCNG satellite station, LNG regasification and etc., SinoCleansky takes its industrial experience and technology expertise to provide the excellent customized technical solutions.

Guide for LNG Solution Model Selection

Gas Consumption Capacity Nm ³ /day	Gas Supply Model	Max. Gas Supply NM ³ /H
Below 200	Cylinders	N·7/N·11
100~2,000	Gas Cylinder Group Skid Station	200 Typical models: 100, 150, 200NM ³ /H
Around 1000	Microbulk Regas Station	200
500~1000	Modular Bulk Regas Station	2000
For NGV	LNG Refueling Station L-CNG Refueling Station	Customized

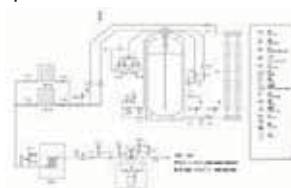
LNG Cylinder or Cylinder Group Regas Station

- LNG cylinder or cylinder group: for LNG transfer, storage, and supply solution.
- LNG periportal skid: for LNG and BOG gas assemble and transported to LNG gasification output pry.
- LNG regasification output skid: for LNG gasification, complex heat, pressure regulator, metering, odorizer, so that post-gasification of nature gas in accordance with the requirements of the user constant temperature, constant pressure to the output.



Skid-mounted LNG Microbulk Regas Station (Small LNG satellite Station)

- LNG Microbulk Regas station is a smart and modular design for small LNG applications. The whole LNG station is built on skid, with LNG storage, regasification, pressure regulation, measurement, odorization, etc. which is very convenient for installation and operation. Typical models are 1M³, 2M³, 3M³, 5M³, 7.2M³ till 15M³. Customization is available upon your specific requirements.





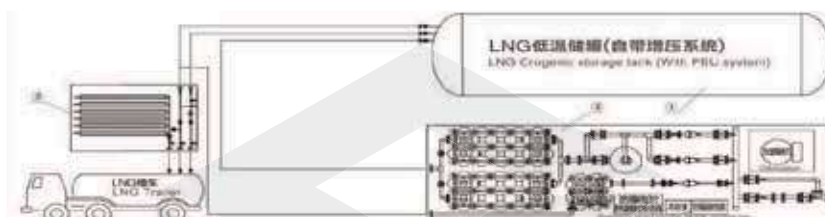
LOX
LIN
LAR
LCO
LNG



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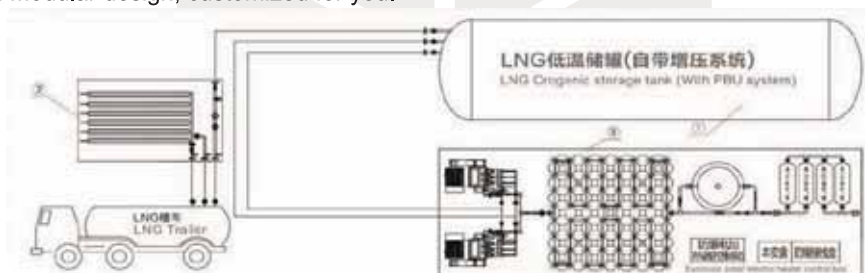
LNG Bulk Modular Regas Station

- LNG storage tank skid: for LNG storage and the fluid supply, generally purchased or provided directly by the user.
- Unloading PBU skid: for boosting and the constant pressure when the LNG tanker unloading fluid, then the LNG storage tanks can reach the normal fluid pressure difference, so the LNG tankers can irrigation charging.
- When the flow rate $\geq 1000 \text{ Nm}^3/\text{h}$, it is recommended LNG vaporizer prized separately or foundational separately on-site.



L-CNG Vehicle Refueling Station

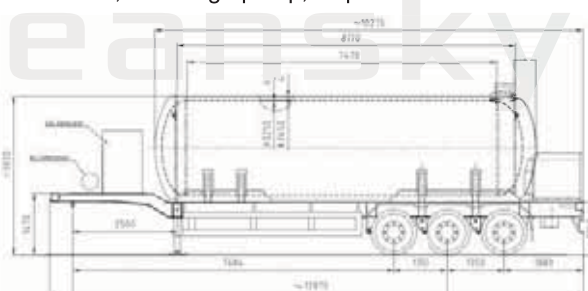
- Skid-mounted and Modular design, customized for you.



LNG Mobile Refueling station

- A whole station combined into one LNG semi-trailer, incl LNG tanker, submerge pump, dispenser and all accessories.

项 目	Description	Inner Vessel	Outer Jacket
最大允许工作压力 MAWP	MPa (psi)	1.2 (175)	0.1 (14.5)
设计压力	Design Pressure MPa (psi)	1.32 (191)	0.1 (14.5)
设计温度	Design Temperature: °C (°F)	-161.4 (-258.5)	50 (122)
材料	Material	SA240 304	Q345R
建造标准	Code	ASME VIII Sec.I	CGA341-2007
贮存介质	Medium	LNG	
本容积	Gross volume: L	33,000	
装载量	Payload: kg	12,850	
加液方式	Dispense method	Submerged Pump	
	泵	TC-34	
最小加气速率	Min. Dispensing Rate: (gpm/Lpm)	10/38	
最大加气速率	Max. Dispensing Rate: (gpm/Lpm)	100/378	
最大加气压力	Max. Dispensing Pressure: (psig/barg)	210/14.4	
接受罐最大压力	Max Receiving Tank Pressure: (psig/barg)	143/10	



Cases on site





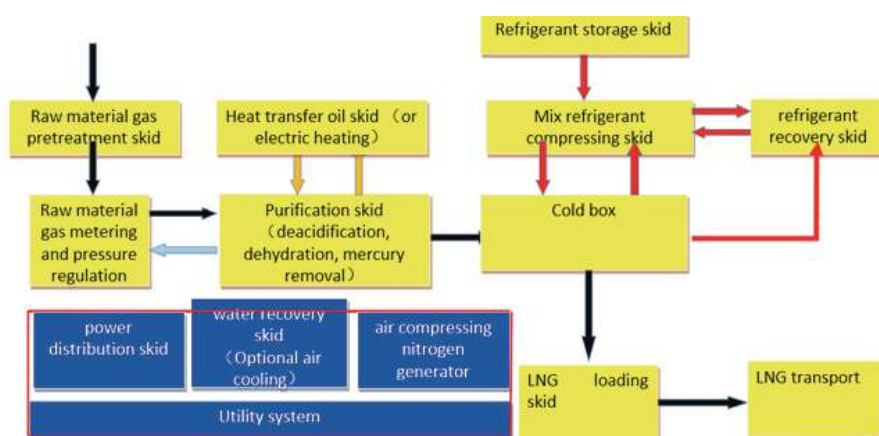
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Mini LNG Liquefaction Plant (Bio-LNG Plant)



- 🏠 The proven solution for producing LNG on Mini-scale, more efficient and effective than ever;
- 🏠 Core technology and own complete process package of MRC for Mini LNG;
- 🏠 The whole plant is skid-mounted, easy to deploy and relocate;
- 🏠 We have the first and only test platform for Mini LNG, caters for all your demands on Mini LNG with dynamic tests.

Flow chart of Mini-LNG plant





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Specs of Gasooo demo Mini-LNG plant

Daily capacity : 50000Nm³/day

Raw material gas pressure regulate, and metering.

Design flow rate 2291.3Nm³/h ; Actual operation 2083Nm³/h ;

Inlet pressure 0.4MPa , outlet 4.1MPa .

Purification unit

Design flow rate 2083Nm³/h ; Actual operation 2046Nm³/h ;

Inlet pressure 4.03MPa , outlet 3.92MPa .

Cold box

Flow rate 2046Nm³/h ; Actual operation 2046Nm³/h ;

Inlet pressure 3.89 MPa , outlet 0.3MPa .

Output : Standard LNG -157°C

Technology : MRC



Raw material gas filtration, metering, pressure regulation Unit



Dehydration and mercury removal Unit



Mixed refrigerant compressor Unit

Major Unit of Mini-LNG plant (Skid-mounted, Modular design)



Cold box unit



Desulfurization Unit



Dust filter Unit



Recycling and reuse of refrigerant Unit



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CNGLNG



Victank Microbulk

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