



Technical Specifications of Rental Trailer KLE-GO 115

GOFA Cryo-Semitrailer

Inner vessel in stainless steel

Outer vessel in steel

for the transport of nitrogen, oxygen and argon

Type

Semitrailer for cryogenic gases	LIN, LOX, LAR
Semitrailer	European standard 3-axle semitrailer
Coupling height	1200 mm

Information about the tank

	Tankcode R 3,9 BN
Test pressure	3,90 bar
Max. work pressure	2,00 bar
Design temperature	-196 °C

Dimensions & Weights

Dimensions	according to ECE-regulations
Max. gross weight of the semi trailer	37000 kg
5th wheel load	12500 kg
Payload	24640 kg
Tare weight	12360 kg
Axle Load	27000 kg

Inner Vessel

	self supporting pressure vessel
Shape	cylindrical
Approval	ADR / DIN EN 12972
Volume	32790 l
Baffle plates	3
Material	Stainless steel 1.4301

Outer Vessel

Shape	cylindrical
Material	Steel ST37-2
Vacuum Strength	100 %

Isolation & Vacuum connection

Insulation Type	Vacuum multi-layer isolation
Safety Valve for vacuum area	1 piece
Vacuum connection	Flange KF DN 50



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Instrument cabinet

Position	Rear cabinet
Material of cabinet	Aluminium mit GFK-Dach
Operation	1 large flap with top opening
Maintenance	on each side an inspection flap with top opening
Handling	from rear side

Piping

P&ID	See attachment
Material	Stainless steel
	All piping in the vacuum area in seamless design

Filling	Size: DN 65
Discharge	Size: DN 40
Top filling	Size: DN 40

Main Valve	DN 65 Herose / Stainless steel pneumatic
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Other hand valves	System "globe valve" Herose "globe valves"
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Non-return valve	Stainless Steel, Herose
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Safety Valve - Vessel	2 units stainless steel / brass safety relief valves 1" set at MAWP brand: Herose one change over valve for the safety relief valves
Safety Valve - Piping	material: brass brand: REGO

Couplings & Connections

Filling connection	Flange DN 65 PN 40
Filling Coupling	Eiga-Kupplung
Discharge connection	Flange DN 40 PN 40
Discharge coupling	to be delivered by customer
Discharge hose	to be delivered by customer

Vaporizer (PBU)

PBU unit material	aluminium pipes with aluminium fins
capacity	adequate to requirements
connections	flanged connection
position	between landing legs and axles

Liquid level indicator

position	Typ Samson Media 4 in the cabinet Table I in Nm ³ LIN, LOX, LAR
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Liquid level gauges (trycock)

Quantity 2 pieces

Cryo-Pump

electrical driven pump
Cryo-Pump
Type CN132M-2
460V, 48A
with 10 m cable with CEE-Plug 400V/63 A 5-pin

Measuring system

Brand of system Flow Instruments
Type Flowcom 2000
system installed in cabinet
incl. Printer

Konstruktion

Beam section stainless steel
Saddles of aggregate stainless steel
Landing leg saddle stainless steel
5th wheel saddle stainless steel
5th wheel plate screwed coupling plate

5th wheel coupling

2" with EN approval

Landing legs

Material steel
Load facility to carry the lloaded semi trailer
Foot foot for concrete floor
Operation from one side

Axles:

Brand of axles BPW
Type Eco Plus
Offset ET 0
Size of disc 377 mm
Lifting axle without
Steering axle without

Tyres:

6 units
Size 385 / 65 R 22,5
Brand Continenta Hybrid HT 3



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Sparewheel:	without
Brake system:	in accordance with EC regulations
Brand	Haldex
Type	EB+ 4S 2M
pneumatic connection to truck	Standard-Anschluss in rot und gelb
Electronic parking brake	without
Rear underride guard:	according to ECE
Material	Aluminium
Side guards:	according to ECE
Material	Aluminium
Mudguards:	separate polyethylene mudguards with rubber wheel flaps according to ECE.
Spare wheel holder:	without spare wheel holder
Electrical installation:	according to ECE
rear lamps	7-chamber lamps in the rear bumper
system	Halogen
license plate lamp	2 licence plate lights, LED
side lamps	LED side lamps in accordance with EC regulations
cable support	one pipe from the rear to the front
electrical connection to truck	one support with 15 pin AMP plug
Equipment:	
Hose carrier	2 pieces in the rear cabinet ending
discharge hose	Stainless steel ca. 110 x 110 mm for a 4 meter hose at each
Couplings	to be delivered by customer
Tools	tool holder in the cabinet
Toolbox	to the right side indriving direction
drag shoes with bracket	2 units in yellow
working lamp in the rear cabinet	1 unit with switch
ADR equipment:	
fire extinguisher	2 boxes for 6 kg Extinguisher provided
dangerous good signs	3x cl. 2 non-flammable gas (green) 3x cl 5.1 Oxidizing Agent (yellow)
loading	1 label plate