



## Technical Specifications of Rental Trailer GO 832

### 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	

#### Information about the tank

	Tankcode R 5,2 BN
Test pressure	5,20 bar
Max. work pressure	3,00 bar
Design temperature	-196 °C

#### Dimensions & Weights

Dimensions	according to ECE-regulations
Max. gross weight of the semi trailer	32000 kg
5th wheel load	12500 kg
Payload	LIN: 20955 Kg / LOX: 22500 Kg / LAR: 22500 Kg
Axle Load	24000 kg

#### Inner Vessel

	self supporting pressure vessel
Shape	cylindrical
Approval	ADR / DIN EN 12972
Volume	27520 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 & side opening
Handling	from rear and left 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 50
Main Valve	DN 65 Stainless steel pneumatic
Other hand valves	Herose "globe valves"
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

### Couplings & Connections

Filling connection	Flange DN 65 PN 40
Filling Coupling	Eiga Coupling
Discharge connection	DN 50 without flange
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 Klaus Fischer in the cabinet Table I in Nm <sup>3</sup> LIN, LOX, LAR
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**Liquid level gauges (trycock)**

Quantity 1 pieces

**Cryo-Pump**

hydraulic driven pump  
Sefco C25

**Measuring system**

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

**Konstruktion**

Beam section Steel  
Saddles of aggregate Steel  
Landing leg saddle Steel  
5th wheel saddle Steel  
5th wheel plate welded 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:**

Size 6 units  
385 / 65 R 22,5



## Technical Specifications of Rental Trailer GO 832

<b>Sparewheel:</b>	without
<b>Brake system:</b>	in accordance with EC regulations
Brand	Wabco
Type	EBS-D
pneumatic connection to truck	Standard-connection
Electronic parking brake	without
<b>Rear underride guard:</b>	according to ECE
Material	Aluminium
<b>Side guards:</b>	according to ECE
Material	Aluminium
<b>Mudguards:</b>	separate polyethylene mudguards with rubber wheel flaps according to ECE.
<b>Spare wheel holder:</b>	without spare wheel holder
<b>Electrical installation:</b>	according to ECE
rear lamps	7-chamber lamps in the rear bumper
system	Halogen
license plate lamp	2 licence plate lights, LED
side lamps	Halogen 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
<b>Equipment:</b>	
Hose carrier	1x left side, 1x in the cabinet
discharge hose	stainless steel 160 mm diam. for a 4 meter hose at each (hoses not included)
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	2s units with switch
<b>ADR equipment:</b>	
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