

CRYOGENIC TRANSPORT WITH PUMP

D. O. T. CRYOGENIC STORAGE TRANSPORT

Ethane, Ethylene & LNG



CRYOGENIC TRANSPORT ETHANE, EHTYLENE & LNG SPECIFICATIONS

CRYOGENIC TRANSPORT SPECIFICATIONS:		
TARE WEIGHT	28,000 Lbs.	
WATER VOLUME	11,455 Gal.	
CODE	MC 338	
TRAILER LENGTH	46.5 FT.	
MAX WORKING PRESSURE	100 PSI.	
ETHANE (WITH 4K OVERWEIGHT ALLOWANCE)	37,628 Lbs.	8,250 Gal.
ETHYLENE (WITH 4K OVERWEIGHT ALLOWANCE)	37,628 Lbs.	7,949 Gal.
LNG (WITH 4K OVERWEIGHT ALLOWANCE)	37,628 Lbs.	10,617 Gal.

ETHANE PUMP PERFORMANCE	
MIN gpm	90 gpm @ 184 psig discharge
OPT gpm	180 gpm @ 175 psig
MAX gpm	220 gpm @160 psig
DISCHARGE PRESSURE MAX 225 psi	

ETHYLENE PUMP PERFORMANCE	
MIN gpm	90 gpm @ 191 psig discharge
OPT gpm	180 gpm @ 181.7 psig
MAX gpm	220 gpm @167 psig
DISCHARGE PRESSURE MAX 262 psi	

LNG PUMP PERFORMANCE	
MIN gpm	90 gpm @ 143 psig discharge
OPT gpm	180 gpm @ 136 psig
MAX gpm	220 gpm @125 psig
DISCHARGE PRESSURE MAX 216 psi	

SEE BACK FOR CONNECTIONS

CRYOGENIC CONNECTIONS

Trailer Fill Port & Hose Connections for Ethane or Ethylene



3 ¼ ACME TRAILER TANK CONNECTION



ETHANE & ETHYLENE TANK CONNECTION WITH PTFE TEFLON GASKETS



3 ¼ACME TRAILER HOSE CONNECTION

Dry Break Cam & Groove Style Dry Disconnect Couplings for Ethane

- Value of QDCs
- No hammering
- No leaking during cool down
- Eliminates purging and cool down losses
- Eliminates venting the hose volume at the conclusion of the loading operation.

Dry Hose Connections for Cryogenic Ethane or Ethylene



Fill Tank Connection

GAS INNOVATIONS®

MEGC (Multiple Element Gas Container) CONTAINER MODULE SERVICE

D. O. T. HIGH PRESSURE STORAGE TUBE SERVICE:

**Air, Argon, CO, Ethane, Ethylene, Helium
Methane & Nitrogen**



MEGC MODULE	
SPECIFICATIONS:	
TARE WEIGHT	(APPROX. 8 TUBES)/UNIT 40,404 + 7,000 LBS. FOR CHASSIS
WATER VOLUME	83.55 / TUBE 668.4 TOTAL
TUBE LENGTH & DIA.	SEAMLESS D.O.T. TUBES 36 FEET LONG X 22" DIA.
TRAILER LENGTH	40 FT.
SERVICE @ 70 F	CU.FT. @ 2900 PSI / 8 TUBES / UNIT MAWP
AIR	129,000 CU.FT.
ARGON	139,000 CU.FT.
CARBON MONOXIDE	91,240 CU.FT.
ETHANE	14,500 LBS. TOTAL
ETHYLENE	15,500 LBS. TOTAL
HELIUM	121,049 CU.FT.
METHANE	168,657 CU.FT.
NITROGEN	125,870 CU.FT.

HYDROCARBON CONTAINER LEASING

PORTABLE CRYOGENIC ISO CONTAINER SERVICE:

Maximum D.O.T. Fill Capacity Various Gases based on 24,900 liter ISO Capacity:

<u>Product/ DOT fill density %</u>	<u>lbs. / gallon</u>	<u>Max. gallons / ISO</u>	<u>Approx. lbs. / ISO</u>
n-Butane (all grades)	51 % 4.865 lbs.	5,753 net gallons	27,990 net lbs.
Butene-1 (all grades)	54 % 5.004 lbs.	5,922 net gallons	29,635 net lbs.
Isobutane (all grades)	49 % 4.686 lbs.	5,739 net gallons	26,891 net lbs.
Isobutylene (all grades)	53 % 4.996 lbs.	5,822 net gallons	29,086 net lbs.
Propane (all grades)	42 % 4.22 lbs.	5,462 net gallons	23,050 net lbs.
Propylene (all grades)	44 % 4.343 lbs.	5,560 net gallons	24,147 net lbs.
n-Pentane (all grades)	56 % 5.255 lbs.	5,848 net gallons	30,737 net lbs.
Isopentane (all grades)	56 % 5.194 lbs.	5,917 net gallons	30,733 net lbs.



PORTABLE CRYOGENIC ISO CONTAINER SERVICE

LNG, Oxygen, Nitrogen, Argon, Ethylene and Ethane.
6,000 gallon capacity @ 240 working pressure
with liquid and vapor withdrawal.

Short & long term lease or purchase options available other sizes available



LIQUID AND LP GAS ISO CONTAINER SPECIFICATIONS:

LIQUID AND LP GAS ISO CONTAINER SPECIFICATIONS:	
MODEL	CVA-6K-240-ISO
DESIGN CODE	ASME SECTION VIII DIV. 1, US DOT 49CFR 178.274 & 178.277 (UN TANK-T75)
APPROVALS	/ RID 6.7
WATER VOLUME	US Gal 5,983 / 22,650 Liters
MAX WORKING PRESSURE	240 Psig / 16.6 BAR / 1655 Kpa
TARE WEIGHT (APPROX)	21,600 Lbs. 9798 Kg (W/O PUMP MODULE)
MAX GROSS WEIGHT	75,000 Lbs / 34,000 Kg
DIMENSIONS	HEIGHT: 8' - 6" / 2591 mm LENGTH: 19' - 10.50" / 6058 mm, WIDTH: 8'-0" / 2438 mm

GAS INNOVATIONS®

HIGH PURITY LP GAS TRANSPORT

MC 331 LP TRANSPORT

PROPANE, PROPYLENE, ISOBUTANE, BUTANE



TRANSPORT PROPANE, PROPYLENE, ISOBUTANE, BUTANE SPECIFICATIONS

HIGH PURITY LP GAS TRANSPORT		
SPECIFICATIONS:		
TARE WEIGHT	23,400Lbs.	
WATER VOLUME	10,600 Gal.	
DOT SPEC.	MC 331	
TRAILER LENGTH	46.5 FT.	
MAX WORKING PRESSURE	265 PSI.	
PROPANE	38,100 Lbs.	9,000 Gal.
PROPYLENE	38,100 Lbs.	8,700 GAL.
ISOBUTANE	38,100 Lbs.	8,100 GAL.
BUTANE	38,100 Lbs.	7,800 GAL.

SEE BACK FOR CONNECTIONS

GAS INNOVATIONS®

LP GAS CONNECTIONS

Trailer Fill Port & Hose Connections for
PROPANE, PROPYLENE, ISOBUTANE, BUTANE

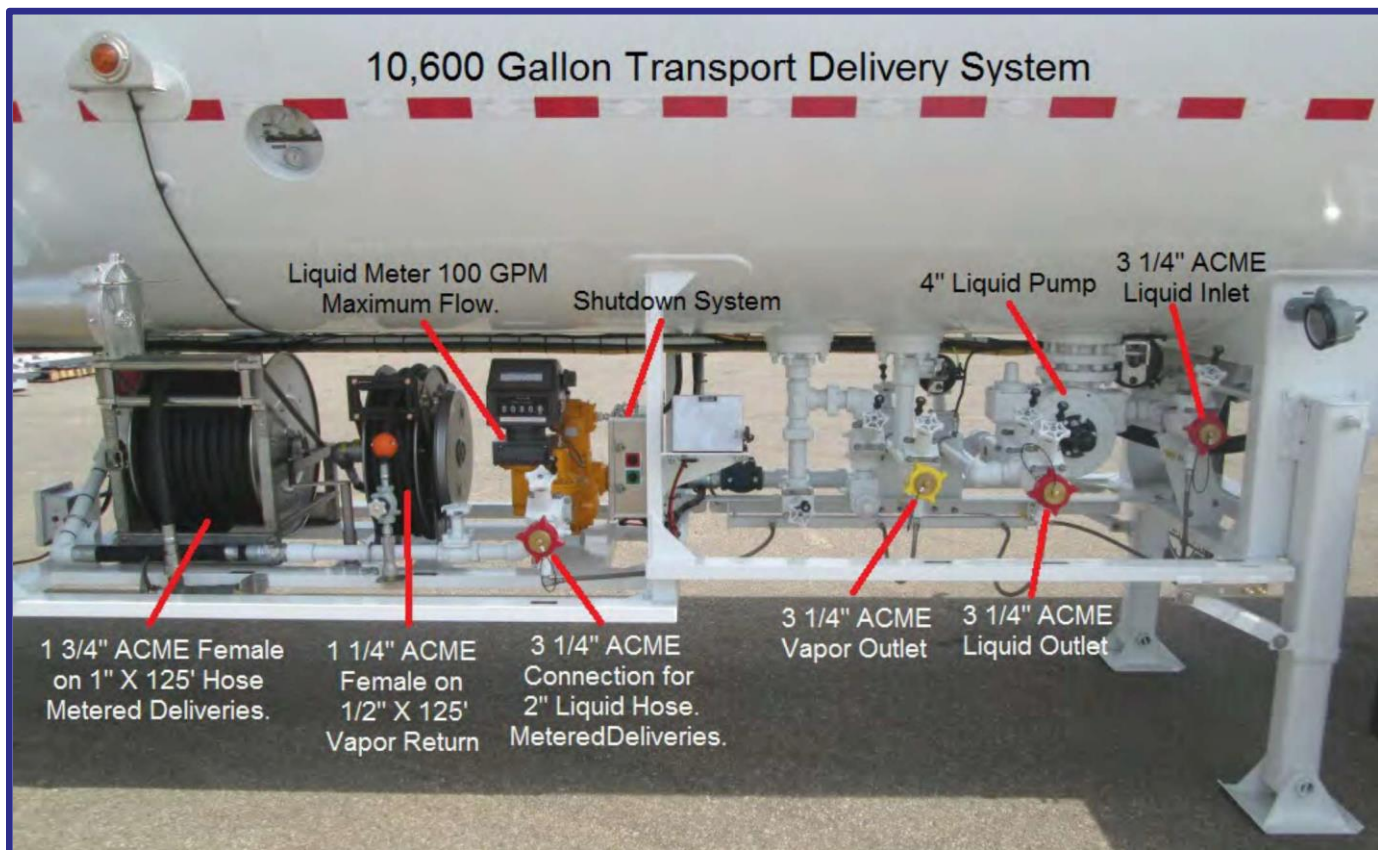


TRAILER HOSE CONNECTION
3 1/4 ACME



TRAILER HOSE CONNECTION
1 3/4 ACME

LP GAS DELIVERY CONNECTIONS



LP TRANSPORT

MC 331 LP TRANSPORT

PROPANE, ISOBUTANE, BUTANE



TRANSPORT PROPANE, ISOBUTANE, BUTANE SPECIFICATIONS

HIGH PURITY LP GAS TRANSPORT PUP		
SPECIFICATIONS:		
TARE WEIGHT	14,440 LBS.	
WATER VOLUME	5,100	
DOT SPEC.	MC 331	
TRAILER LENGTH	28 FT.	
MAX WORKING PRESSURE	250 PSI.	
PROPANE	17,218 Lbs.	4,080 GAL.
ISOBUTANE	19,119 LBS.	4,080 GAL.
BUTANE	19,625 LBS.	4,080 GAL.

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LP GAS CONNECTIONS

Trailer Fill Port & Hose Connections for
PROPANE, ISOBUTANE & BUTANE

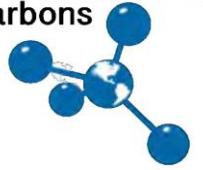


½" X 50" Vapor Hose
W 1 ¼ Acme Female Connector.

2" Liquid Meter. 100 GPM Maximum
Average 50/60 GPM Normal Flow.

Loading Connection, 3 ¼" ACHME Vapor.

1" X 125' Liquid Delivery
Hose W/ 1 ¾" Female
ACHME Nozzle.



Contact Gas Innovations

SPECIALTY GASES: High Purity Hydrocarbons, CO, HCL, Methane, CNG & LNG
Refrigerant Gases, Tube trailers, ISO containers, cylinders

Specialty Gas Inquiries/ Order Desk: sales@gasinnovations.com [281-471-2200](tel:281-471-2200)

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