Plug Cryo Stock Equipment – October 2026

Stock LH2 Transport Trailers - AVAILABLE QUANTITY: 11 (HOUSTON, TX)

Applied Cryo Technologies **Megalodon LH2 Transport,** Model **LH2-182-155-P-T-TD** is an 18,234 Gallon 155 psi MAWP vacuum-insulated, cryogenic tandem semi-trailer designed and optimized specifically for transporting Liquid Hydrogen over US highways (80,000 LB MGVW).

Product Highlights:

- **Best in class payload: 9,923 LBS (1,905,000 SCF) (17 PSI Fill Density, 17,800 LB sleeper)**
- **ACT's Super Insulation (SI) techniques, support designs, vacuum processes, and getter materials provide superior thermal performance and vacuum integrity.**
- **Compliant with CA 40' KPRA (Kingpin to Rear Axle) requirement.**



General Equipment Specification

MAWP:	**155 PSIG (10.69 BAR)**
WARM WATER CAPACITY:	**18,234 USG (69,023 L)**
COLD WATER CAPACITY @ VENT INLET	**18,053 USG (68,338 L)**
MAXIMUM PERMISSIBLE WEIGHT OF LIQUID: (17 PSIG FILL DENSITY)	**9,923 LBS (4,501 KG)**
TARE WEIGHT:	**46,123 LBS (20,921 KG) (+/- 3%)**
DESIGN CODES:	**ASME SEC VIII, DIV 1, 49CFR 178.338 (MC-338)**
NORMAL EVAPORATION RATE (NER):	**0.5% / DAY**

Plug Cryo Stock Equipment – October 2026

Stock 10K Gallon LH2 Vertical Bulk Tanks – AVAILABLE QUANTITY: 2 (Houston, TX)

Applied Cryo Technologies **Vertical Bulk LH2 Tank** Model **LH2-100-175-P-V** is a 10,019-gallon 175 psi MAWP vacuum-insulated, liquid hydrogen vertical cryogenic storage tank engineered for the highest level of performance, safety, thermal efficiency, and product longevity.

Product Highlights:

- **ACT's Super Insulation (SI) techniques, support designs, vacuum processes, and getter materials provide superior thermal performance and vacuum integrity.**
- **Process discharge connection for liquid supply.**
- **Provides GH2 supply to compressors.**
- **Automated pressure building/relieving.**





General Equipment Specification

MAWP:	**175 PSIG (12.07 BAR)**
GROSS VOLUME (COLD):	**10,019 USG (37,926 L)**
NET VOLUME (COLD):	**10,014 USG (37,907 L)**
MAXIMUM LADING WEIGHT: (90% COLD AT VENT AT 0 PSIG)	**5,351 LBS (2,427 KG)**
TARE WEIGHT:	**49,200 LBS (22,317 KG) (+/- 3%)**
LENGTH (External piping included):	**14′ 5-7/8″ (4.4 M)**
WIDTH:	**11' 11-1/8" (3.6 M)**
HEIGHT:	**28' 9″ (336 M)**
DESIGN CODES:	**ASME SEC VIII, DIV 1, CGA 341, CGA H-3 2019, IBC 2012**
STRUCTURAL RATINGS:	**SEISMIC ZONE 4, SOILD CLASS D, IMPORTANCE FACTOR 1.25**
NORMAL EVAPORATION RATE (NER):	**1% / DAY**

Plug Cryo Stock Equipment – October 2026

Stock 19K Gallon LH2 Vertical Bulk Tanks – AVAILABLE QUANTITY: 1 (Houston, TX)

Applied Cryo Technologies **Vertical Bulk LH2 Tank** Model **LH2-190-175-P-V** is a 18,504-gallon 175 psi MAWP vacuum-insulated, liquid hydrogen vertical cryogenic storage tank engineered for the highest level of performance, safety, thermal efficiency, and product longevity.

Product Highlights:

- **ACT's Super Insulation (SI) techniques, support designs, vacuum processes, and getter materials provide superior thermal performance and vacuum integrity.**
- **Process discharge connection for liquid supply.**
- **Dual sets of pump lines.**
- **Provides GH2 supply to compressors.**
- **Automated pressure building/relieving.**





General Equipment Specification

MAWP:	**175 PSIG (12.07 BAR)**
GROSS VOLUME (COLD):	**18,504 USG (70,045 L)**
NET VOLUME (COLD):	**16,649 USG (63,023 L)**
MAXIMUM LADING WEIGHT: (90% COLD AT VENT AT 0 PSIG)	**9,841 LBS (4,464 KG)**
TARE WEIGHT:	**75,872 LBS (34,415 KG) (+/- 3%)**
LENGTH (External piping included):	**14′ 5-1/2″ (4.4 M)**
WIDTH:	**14′ 5-1/8" (3.6 M)**
HEIGHT:	**44' 6″ (336 M)**
DESIGN CODES:	**ASME SEC VIII, DIV 1, CGA 341, CGA H-3 2019, IBC 2012**
STRUCTURAL RATINGS:	**SEISMIC ZONE 4, SOILD CLASS D, IMPORTANCE FACTOR 1.25**
NORMAL EVAPORATION RATE (NER):	**1% / DAY**

Plug Cryo Stock Equipment – October 2026

Stock 10K Gallon LH2 Horizontal Bulk Tanks – AVAILABLE QUANTITY: 3 (Houston, TX)

Applied Cryo Technologies **Horizontal Bulk LH2 Tank** Model **LH2-100-175-P-H** is a 10,900-gallon 175 psi MAWP vacuum-insulated, liquid hydrogen vertical cryogenic storage tank engineered for the highest level of performance, safety, thermal efficiency, and product longevity.

Product Highlights:

- **ACT's Super Insulation (SI) techniques, support designs, vacuum processes, and getter materials provide superior thermal performance and vacuum integrity.**
- **Vacuum Jacketed (VJ) Liquid discharge and dual sets of pump ports.**
- **Provides GH2 supply to compressors.**
- **Automated pressure building/relieving.**





General Equipment Specification

MAWP:	**175 PSIG (12.07 BAR)**
GROSS VOLUME (COLD):	**10,900 USG (41,261 L)**
NET VOLUME (COLD):	**9,773 USG (36,994 L)**
MAXIMUM LADING WEIGHT: (90% COLD AT VENT AT 0 PSIG)	**5,777 LBS (2,617 KG)**
TARE WEIGHT:	**41,500 LBS (18,824 KG) (+/- 3%)**
LENGTH (External piping included):	**26' 6-5/8" (8.1 M)**
WIDTH:	**11' 2" (3.4 M)**
HEIGHT:	**12' 3" (3.7 M)**
DESIGN CODES:	**ASME SEC VIII, DIV 1, CGA 341, CGA H-3 2019, IBC 2012**
STRUCTURAL RATINGS:	**SEISMIC ZONE 4, SOILD CLASS D, IMPORTANCE FACTOR 1.25**
NORMAL EVAPORATION RATE (NER):	**1% / DAY**

Plug Cryo Stock Equipment – October 2026

Stock 6.5K Gallon Portable LH2 Horizontal Tanks – AVAILABLE QUANTITY: 13 (Houston, TX)

Applied Cryo Technologies **Portable LH2 Tank** Model **LH2-065-110-P-TM** is a 6,459-gallon 110 psi MAWP vacuum-insulated, liquid hydrogen horizontal cryogenic storage tank for trailer mounting, engineered for the highest level of performance, safety, thermal efficiency, and product longevity.

Product Highlights:

- **ACT's Super Insulation (SI) techniques, support designs, vacuum processes, and getter materials provide superior thermal performance and vacuum integrity.**
- **Flexible for various piping configurations including pump feed lines.**
- **Vapor recovery line to provide GH2 supply to compressors.**
- **Automated pressure building/relieving capability.**
- **Tanks are stubbed – Confirm piping configuration desired, or available as is.**





General Equipment Specification

MAWP:	**110 PSIG (7.6 BAR)**
GROSS VOLUME (COLD):	**6,459 USG (24,450 L)**
NET VOLUME (COLD):	**6,367 USG (24,102 L)**
MAXIMUM LADING WEIGHT: (90% COLD AT VENT AT 0 PSIG)	**3,500 LBS (1,588 KG)**
TARE WEIGHT:	**16,000 LBS (7,257 KG) (+/- 3%)**
LENGTH (External piping included):	**20′ 1/2″ (6.1 M)**
WIDTH:	**8′ 6" (3.4 M)**
HEIGHT:	**9' 11-1/2″ (3.0 M)**
DESIGN CODES:	**ASME SEC VIII, DIV 1, MC-338**
NORMAL EVAPORATION RATE (NER):	**1% / DAY**

***AVAILABLE WITH TANDEM AXLE 38 FT STEP DECK TRAILER OR LARGER TRAILER FOR PACKAGED UNITS. CONSULT FOR BUILD OUT OPTIONS.**