

TECHNICAL SPECIFICATIONS

GENERAL

1. Type : *Vacuum insulated storage tank, Vertical*
2. Design Code : *EN 13530-1 TPED +ADR*
3. Product : *LOX-LIN*
4. Inner Tank : *304L*
5. Outer Tank : *S235 JR*
6. Directive : *97/23/EC Europe*
7. Approval : *CE Mark*

INNER TANK

1. Capacity : *30 m³*
2. Net Capacity : *-*
3. Filling Rate : *%95 @ mawp*
4. MAWP : *6 barg (Maximum Working Pressure)*
5. Design Pressure : *7 barg*
6. Test Pressure : *8,5 barg*
7. Design Temperature : *-196 °C / +50 °C*
8. Material : *EN 10028-7 / 1.4301 veya 1.4307*
9. Radiographic Control : *%100*

OUTER TANK

1. Design Pressure : *1 barg*
2. Design Temperature : *-196 °C / +50 °C*
3. Material : *Carbon Steel EN 10025-2 / S235 JR or equivalent*

INSULATION

1. Type : *Super Insulation & Vacuum Insulated*
2. Boil-Off Ratio : *%0,4 lt/h (at 1 bar, 15 °C)*

CONTROL

1. *The control and certification process will be provided by TUV-AVUSTURYA /DEKRA*

VAPORIZER

1. Design Code : *AD 2000 CODE*
2. Capacity : *150 Nm³/h (max. 8h)*
3. Design Pressure : *40 bar*
4. Design Temperature : *-196 °C / +50 °C*
5. Material : *Aluminum AW -6060 (EN 573 -3) Directive : 97/23/EC Europa*

PIPING, ACCESSORIES AND PAINTING

1. Piping Material : *Seamless Pipe SA106 min. sch40 or stainless pipe*
2. Piping Test : *Welding and Pressure Test*
3. Valve : *Herose(imported) or equivalent (native)*
4. Safety Valve : *Herose(imported) or equivalent (native)*
5. Tank Regulator : *Samson (imported) or equivalent (native)*
6. Three way valve : *Herose (imported) or equivalent (native)*
7. Level Indicator : *Samson Media 5(Analog type)*
8. Manometer : *Pakkens*
9. Vaporizer: *Aluminum Winged Type.*
10. Logo: *Will be provided by the customer.*
11. Painting : *Primer epoxy penguard Express gray (100 µ)*
12. *Polyurethane topcoat hartop, xp base, white (100 µ)*

TANK DOCUMENTATION

1. *Hydrostatic test certificate*
2. *Final check report*
3. *Manufacturer name plate*
4. *Tank approval certificate*
5. *Third party report of approval organization*
6. *Welding procedures and applications*
7. *Radiographic check reports*
8. *Liquid penetrant test report*
9. *Material certificates*

PUMP

1. Liquid Lox Pump : *Made in CRYOSTAR / Made in SANJING (Chine)*
2. Capacity : *24-30 m3 /h*
3. Pres. Capacity : *90-150 m (9-15 bar)*
4. Cont. Cabinet : *IP-55-Ex-Proff with Frequency Converter*
5. Electrical motor : *18.5 KW -2950rpm-50 Hz*

TRAILER

1. *Axle set: Sertel & Akkar Axle*
2. *Tires: Goodyear*
3. *Rim : 8 22.5*
4. *Kong pin capacity: 60 ton*
5. *Mechanical foot type and capacity: Double type and having of 50 tons capacity*
6. *Brake system : Wabco or Knorr ABS brake*

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