

RATERMANN

MANUFACTURING, INC.

Largest Selection of Cryogenic and Compressed Gas Equipment & Supplies

ARCTIC FOX[®]

Cryogenic Tanks

The **Arctic Fox**[®] Tank is functionally and aesthetically designed and suited to serve almost any cryogenic application, from Semiconductor fabrication to metal fabrication.

The **Arctic Fox** Tank has many advanced features designed in a compact attractive package.

- Designed with quality and longevity in mind
- Plumbed for Optional Telemetry
- Design and manufacturing code ASME SEC. VIII Div. 1
- Tanks are Built to Specification and come with National Board "NB" Stamp.



Rev: 3/27/14

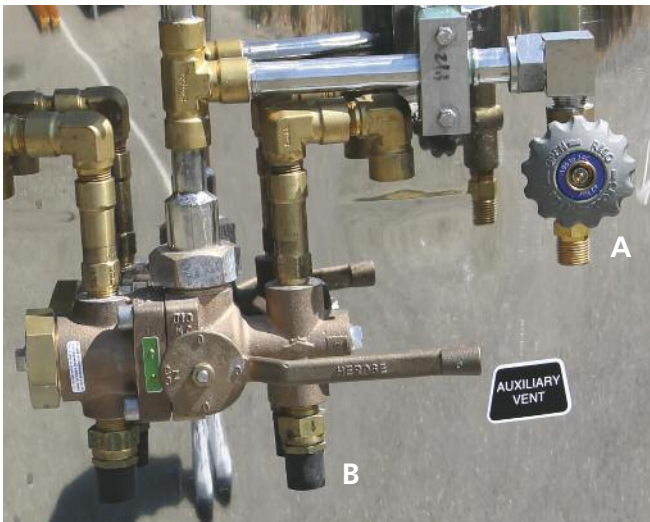
Mini Bulk Tank Safety



Quality control process we use on our mini bulk tanks.

Safety Features

Diverter Valve with Redundant Pressure Reliefs

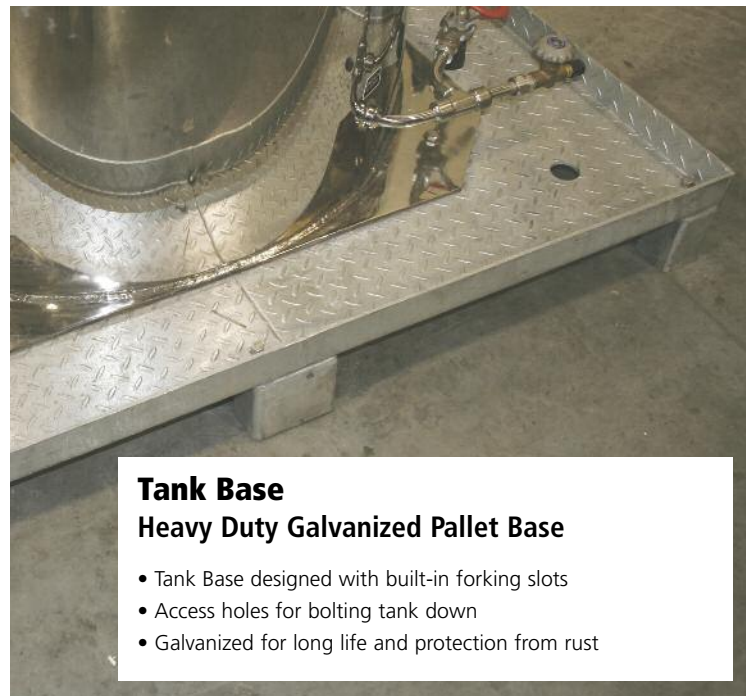


Pressure Reducing Valves see A

Designed with a secondary vent valve to speed up the pressure reduction needed to drop the tank pressure before filling.

Isolation Valve see B

Design allows easy isolation of pressure reliefs for maintenance and repair, allowing repair without needing to empty the tank.



Tank Base Heavy Duty Galvanized Pallet Base

- Tank Base designed with built-in forking slots
- Access holes for bolting tank down
- Galvanized for long life and protection from rust

Mini Bulk Tank Gauges and Valves



Control Valves

Clean Design for Easy Access

Controls for

- Liquid Withdrawal
- Gas Withdrawal
- Vent Blow Down



Filling Tank

Easy Access Fill Valve

Designed with 45 degree access for easy fill hose hook-up.

Allows replacement of check valve without blowing down tank.

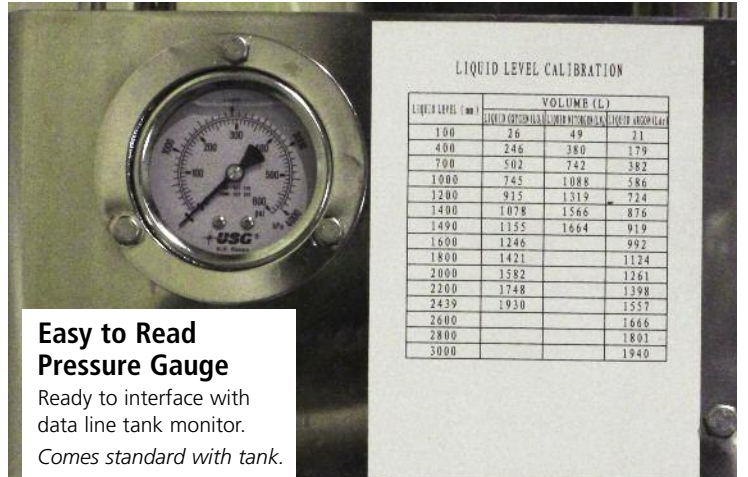


Tank Blow Down

Pressure Reducing Valves *see AA*

Designed with a secondary vent valve to speed up the pressure reduction needed to drop the tank pressure before filling.

Gauges Content & Pressure



Easy to Read Pressure Gauge

Ready to interface with data line tank monitor.

Comes standard with tank.



Contents Gauge Assembly

Easily read fill level of tank and allow interface to data on line monitoring units.

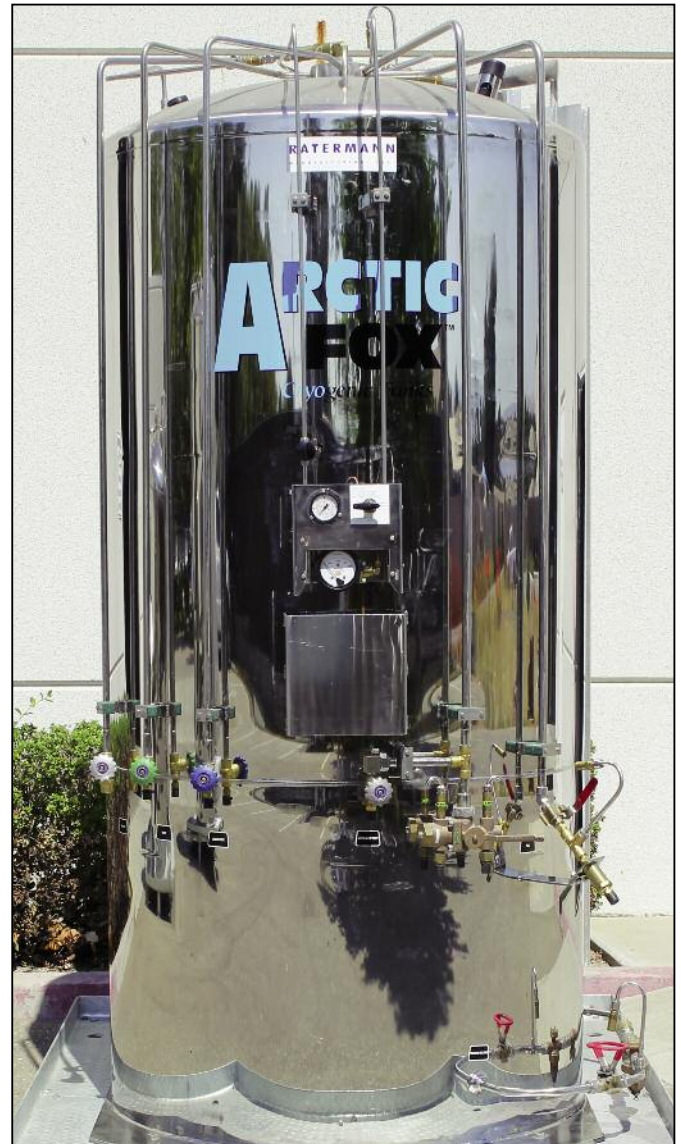
Comes standard with tank.

Optional Telemetry Unit

Designed for easy interface to most brand of telemetry units.



LIKE DATA ONLINE



ARCTIC FOX® 1000 Part # MBK-1000VHPL

BASE INCH	65" x 65"
MAWP	
psig	500
bar	34.5
MAXIMUM PRE-SET OPERATING PRESSURE	
psig	450 psi
bar	31
THERMAL PERFORMANCE (2)(NER%/DAY)	
N2	≤1.2%
GAS DELIVERY RATE (LIN/LAR/LOX)	
SCF/H	up to 972
With External Vaporizer on tank	2,000 SCFH
DIMENSIONS	
<i>Tank Diameter</i>	
inch	45.15
mm	1147
<i>Overall Height</i>	
inch	75.62
mm	1921
<i>Tare Weight</i>	
lbs	2,458
<i>(Exclude Frame)</i>	

ARCTIC FOX® 2000 Part # MBK-2000VHPL

BASE INCH	79 1/2" x 65"
MAWP	
psig	500
bar	34.5
MAXIMUM PRE-SET OPERATING PRESSURE	
psig	450 psi
bar	31
THERMAL PERFORMANCE (2)(NER%/DAY)	
N2	≤1.2%
GAS DELIVERY RATE (LIN/LAR/LOX)	
SCF/H	up to 2000
With External Vaporizer on tank	3,500 SCFH
DIMENSIONS	
<i>Tank Diameter</i>	
inch	79.37
mm	2016
<i>Overall Height</i>	
inch	118
mm	2999
<i>Tare Weight</i>	
lbs	4,328
<i>(Exclude Frame)</i>	

All specifications are subject to change without prior notice.

- 1) Values are based on net capacity at 0 psig (0) bar ASME vessels. CO2 vessels are based on net capacity at 300 psi (20.7bar).
- 2) Values are based on gross capacity.

All dimensions are measured from the floor to the top of the tank.

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