

RATERMANN

MANUFACTURING, INC.

ARCTIC FOX™

Tank Product Line



You'll Never
Look at a
Tank the
Same Way!

**ARCTIC
FOX™**

Cryogenic Tanks

Mini Bulk Advanced Features 1,000 & 2,000 Liter Tank

The *Arctic Fox* Tank is functionally and aesthetically designed and suited to serve almost any cryogenic application, from Semi-conductor 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.

Call
1-800-264-7793
for more information

Control Valves

CLEAN DESIGN FOR EASY ACCESS

Controls for

- Liquid Withdrawal
- Gas Withdrawal
- Vent Blow Down

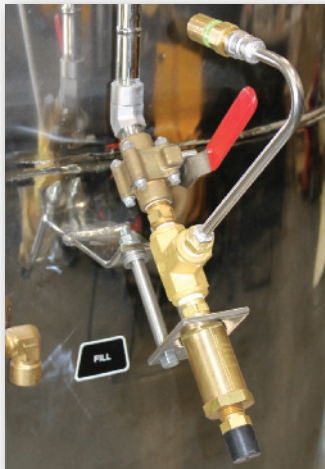


Filling Tank

EASY ACCESS FILL VALVE

Designed with 45 degree access for easy fill hole hook up.

Allows replacement of check valve without blowing down tank.



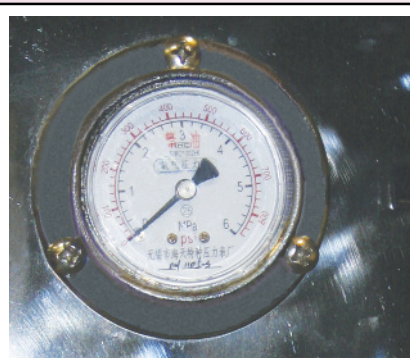
Tank Blow Down

Pressure Reducing Valves **AA**

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



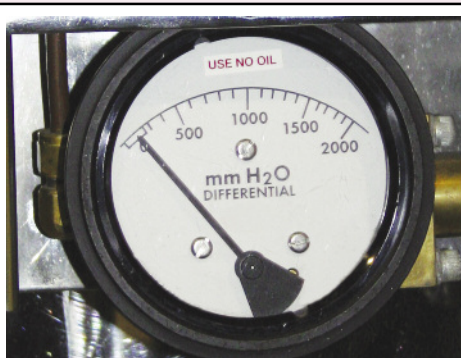
Gauges Content & Pressure



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**

Safety Features

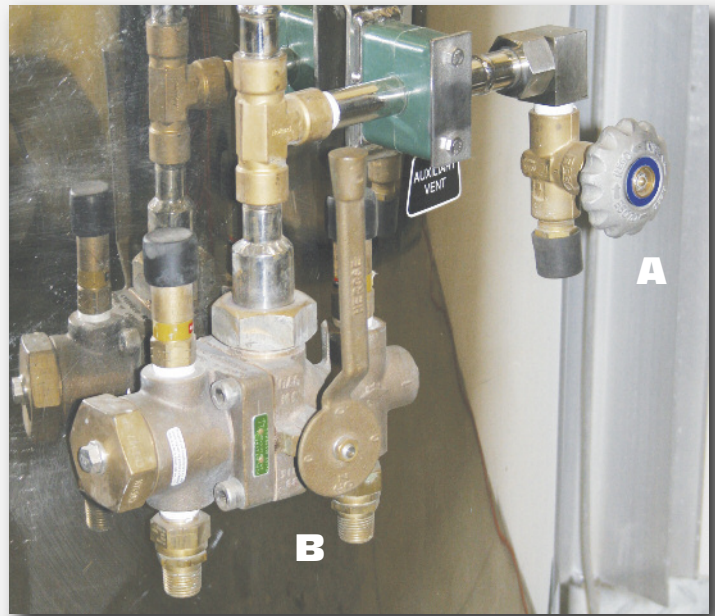
DIVERTER VALVE WITH REDUNDANT PRESSURE RELIEFS

Pressure Reducing Valves **A**

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

Isolation Valve **B**

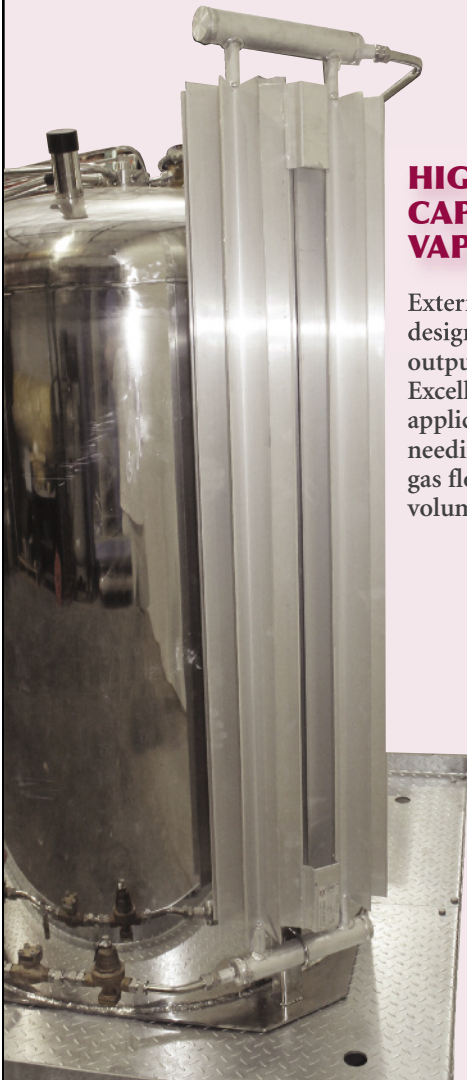
Design allows easy isolation of pressure reliefs for maintenance and repair, allowing repair without needing to empty the tank.



Vaporizer

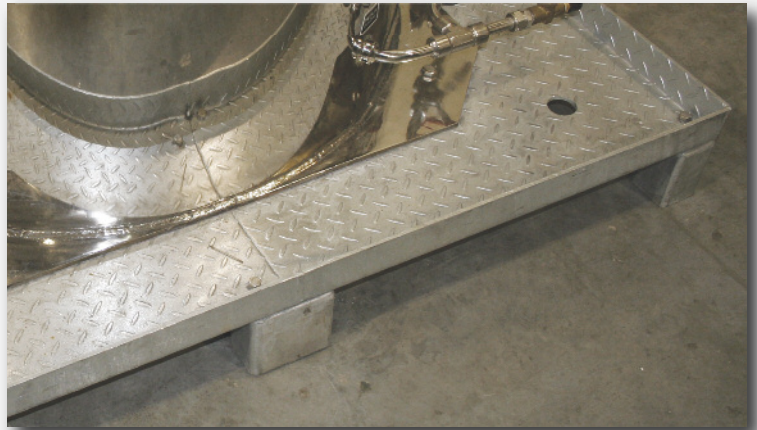
HIGH CAPACITY VAPORIZER

External vaporizer designed for high output gas flow. Excellent for applications needing sustained gas flow at high volumes.



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

Specifications for

ARCTIC FOX™ 1000

Pt # MBK-1000L

1000L

VHP

PLATE

BASE

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

Tank Diameter

inch 45.15

mm 1147

Overall Height

inch 75.62

mm 1921

Tare Weight

lbs 2,458

(Exclude Frame)

Design and manufacturing code ASME SEC. VIII Div. 1

Tanks are Built to Specification and come with National Board "NB" Stamp.

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.

Specifications for

ARCTIC FOX™ 2000

Pt # MBK-2000L

2000L

VHP

PLATE

BASE

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

Tank Diameter

inch 79.37

mm 2016

Overall Height

inch 118

mm 2999

Tare Weight

lbs 4,328

(Exclude Frame)

Design and manufacturing code ASME SEC. VIII Div. 1

Tanks are Built to Specification and come with National Board "NB" Stamp.

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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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Cryogenic Tanks

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