

## MINI BULK TANKS

1,500L 2,000L 3,000L 6,000L

Mirror Finish  
No Painting Ever Needed

Easy to read  
full/empty pressure  
differential gauge.

### TELEMETRY READY PLUMBING

Convenient removable  
mounting plate is  
also provided

### EQUIPPED WITH BOTTOM FILL –

Keep pressure up while  
allowing no interruption  
to gas supply

### TOP FILL –

To help drop head  
pressure when filling

### FILL CONNECTOR –

Includes Bulk Connection

Galvanized Skid

½" NPT Bottom  
Port For Liquid  
Withdrawal



## 6000 Liter Arctic Fox<sup>®</sup> Top and Bottom Filling Tank

The Arctic Fox 6000L tank comes equipped standard with top and bottom fill valves:

The benefits of a tank with top and bottom fill valves is that the customer does not have to be taken offline to have the tank refilled. Designed for applications in medical and laser cutting where a large drop in downstream pressure would cause problems. The driver can now maintain the filling pressure by opening the top and bottom fill valves simultaneously to keep the pressure up while not allowing any interruptions to the gas supply.

Auxiliary Blow Down  
Vent Valve

### DIVERTOR VALVE –

Herose divertor  
valve with  
redundant ASME  
1/2" x 1"  
pressure reliefs.

Heavy duty pressure  
building regulator



For more information and videos go to  
[rmi.rmimfg.com/arctic-fox-tanks](http://rmi.rmimfg.com/arctic-fox-tanks)

Rev: 3/29/18, 12/5/17

# Mini Bulk Tank Features

## SAFETY

### Herose Divertor Valve

- With redundant 1/2" ASME relief valves with pipe-away and burst disc.

### Auxiliary Blow Down Valve

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



### 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

## CONVENIENCE

### Top & Bottom Fill Valves

Standard on 3000L and 6000L tanks with bulk CGA connection.



### Lifting Lugs

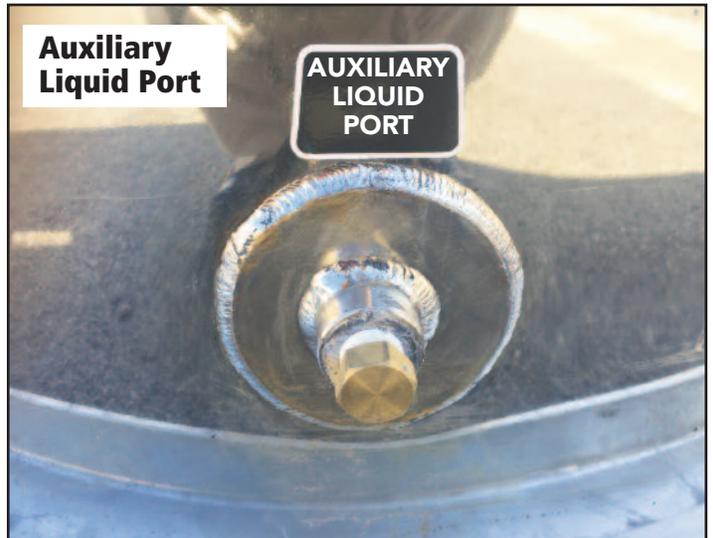


### Content Gauges

- Easy to read Orange Research pressure differential gauge.
- Isolation valves for easy install of telemetry units.
- Also included, a convenient mounting plate for telemetry unit.



### Auxiliary Liquid Port

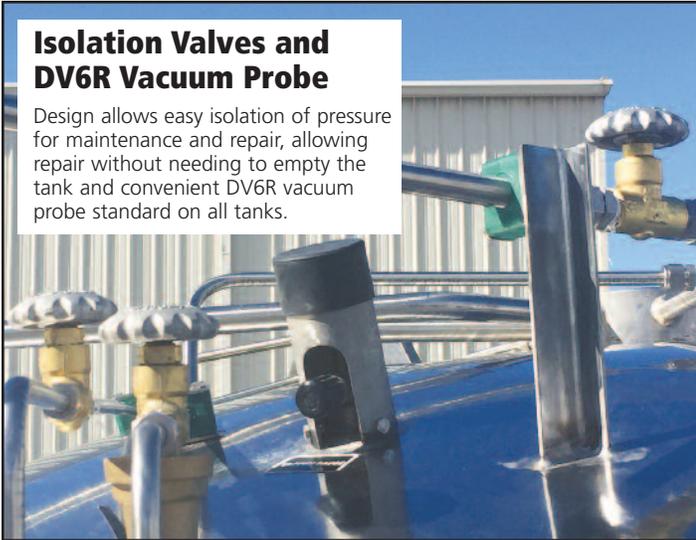


# Mini Bulk Tank Features

## CONVENIENCE

### Isolation Valves and DV6R Vacuum Probe

Design allows easy isolation of pressure for maintenance and repair, allowing repair without needing to empty the tank and convenient DV6R vacuum probe standard on all tanks.



## PERFORMANCE

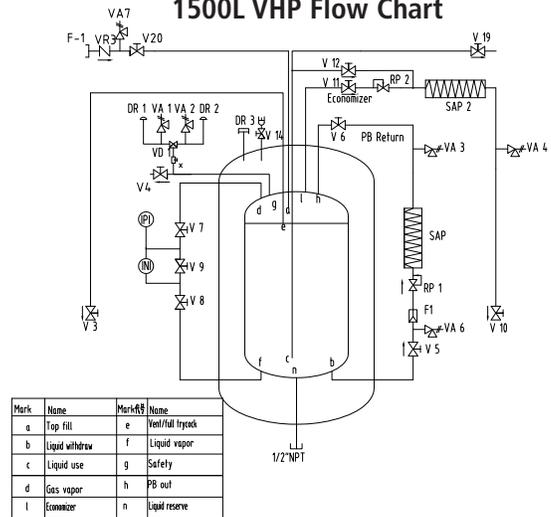
### Back Side View of 1500L Tank

High performance pressure building vaporizer and gas use vaporizers.

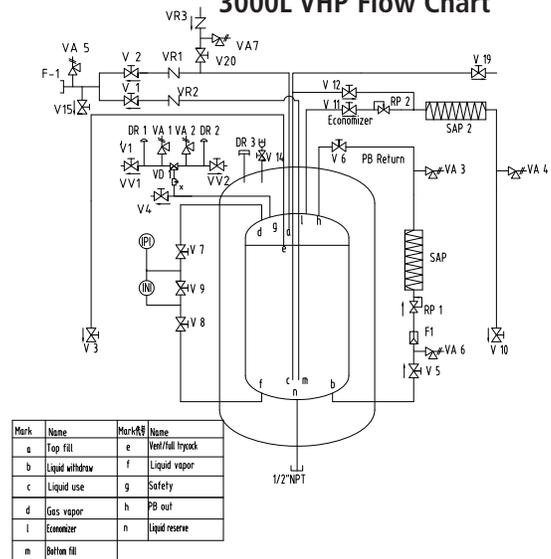


## OPERATING DIAGRAMS

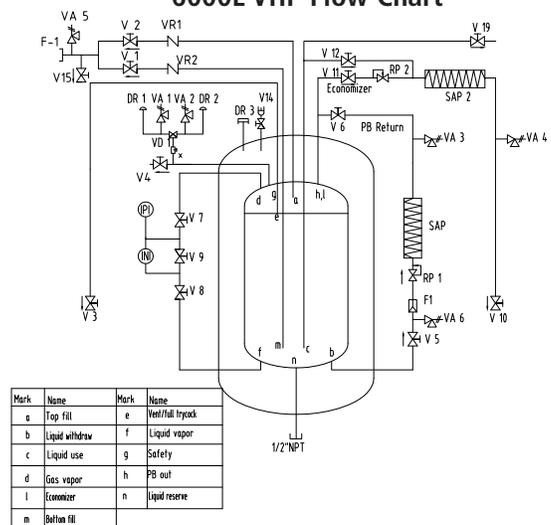
### 1500L VHP Flow Chart



### 3000L VHP Flow Chart



### 6000L VHP Flow Chart



© 1999 - 2018 Ratermann Manufacturing, Inc. All Rights Reserved.

# ARCTIC FOX® MINI BULK Advanced Features

## Data Sheet for 1,500L 2,000L 3,000L and 6,000 Liter



Features of the Arctic Fox® Series of Mini Bulk Tanks	1500 Liter	2,000 Liter	3000 Liter	6000 Liter
Top fill capability with Micro bulk CGA connection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Top/Bottom bulk fill connection w/inline checks & oversized plumbing for rapid fill times.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
High gas output capacity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Excellent NER and product retention	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
External Pressure building system for rapid recovery	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vaporizer with high volume gas output capability included	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolation valves for all components for field repairs with minimal product loss.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2" Pressure gauge and 3 1/2" easy to read Liquid level gauge	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Port for testing annular vacuum levels	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
VHP (500 psi) gas service with other service pressures available	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Strainer protected PB Regulator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Liquid withdraw options	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mounting provisions for your telemetry unit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dual vent lines for rapid blow down capability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dual 1/2" x 1" safeties with Heavy Duty divertor valve	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Small footprint galvanized skid included	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5 Year warranty on the vacuum	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1 year parts and labor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



**ARCTIC FOX® 1500L**  
1500 Liter Mini Bulk, VHP500  
Part # MBK-1500VHPL



**ARCTIC FOX® 3000L**  
3000 Liter Mini Bulk, VHP500  
Part # MBK-3000VHPL



**ARCTIC FOX® 6000L**  
6000 Liter Mini Bulk, VHP500  
Part # MBK-6000VHPL

Specifications	1500 Liter	2000 Liter	3000 Liter	6000 Liter
Height (inches)	88.60	115.00	121.00	130.00
Foot Print (L x W) (inches)	63.00 x 63.00	63.00 x 63.00	75.00 x 75.00	112.00 x 112.00
Pallet base (L x W) (inches)	59.00 x 59.00	59.00 x 59.00	66.00 x 66.00	94.50 x 94.50
Empty Weight with pallet (pounds)	2,976	3,401	4,404	9,480

CAPACITY	1500 Liter	2000 Liter	3000 Liter	6000 Liter
Liquid (Liters) Gross	1,500	2,080	3,000	6,000
Liquid (Liters) Net	1,290	1,830	2,580	5,400
Liquid (Gallons) Gross	396	550	793	1,585
Liquid (Gallons) Net	341	483	682	1,426
Gas capacity (ft³) Nitrogen	29,470	41,806	58,940	123,362
Gas capacity (ft³) Oxygen	36,338	51,549	72,677	152,112
Gas capacity (ft³) Argon	35,561	50,447	71,123	148,860
Gas capacity (ft³) Carbon Dioxide (CO <sub>2</sub> ) *(1)	25,550	36,245	51,099	106,953
Capacity (Lbs) Carbon Dioxide (CO <sub>2</sub> ) *(1)	2,923	4,416	5,846	12,236

PERFORMANCE	1500 Liter	2000 Liter	3000 Liter	6000 Liter
NER (% /day LN <sub>2</sub> )	≤0.8%	≤0.8%	≤0.8%	≤0.45%
NER (Lb/day) Carbon Dioxide (CO <sub>2</sub> )	≤2.8	≤3.8	≤4.0	≤5.6
Gas Flow (scfh) N <sub>2</sub> , O <sub>2</sub> , Ar	2,471	2,825	2,825	3,531
Gas Flow (scfh) Carbon Dioxide (CO <sub>2</sub> ) *(1)	927	1,060	1,060	1,900
Gas Flow (Lb/hr) Carbon Dioxide (CO <sub>2</sub> ) *(1)	113	130	130	218

PRESSURE RATINGS	1500 Liter	2000 Liter	3000 Liter	6000 Liter
Max. Pressure relief setting (psig)	500	500	500	500
Operating Pressure (psig)	450	450	450	450
Design Specification	ASME VIII-1	ASME VIII-1	ASME VIII-1	ASME VIII-1

\*(1) Bulk (CO<sub>2</sub>) Package Required: Package includes bulk CO<sub>2</sub> flange and bulk CO<sub>2</sub> CGA inlet, Orange Research gauge with Buna seals

All specifications are subject to change without prior notice.  
All dimensions are measured from the floor to the top of the tank.

© 1999 - 2017 Ratermann Manufacturing, Inc. All Rights Reserved.