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Header 2

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Procurement Folder: 1137376

Procurement Type: Central Purchase Order

Vendor ID: VS0000040220

Legal Name: Brine Masters LLC

Alias/DBA:

Total Bid: \$163,966.00

Response Date: 01/25/2023

Response Time: 9:15

Responded By User ID: Brine Masters LL

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Solicitation Description: AUTOMATIC BRINE MAKER PRODUCTION SYSTEM EQUIPMENT

Total of Header Attachments: 2

Total of All Attachments: 2

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	AUTOMATIC BRINE MAKER PRODUCTION SYSTEM EQUIPMENT	2.00000	EA	81983.000000	163966.00

Comm Code	Manufacturer	Specification	Model #
22101700			

Commodity Line Comments: The Bid submitted Unit Price includes a fully automated brine maker with production capacity of up to 7,200 GPH, and (1) Truck fill system. Functionality meets the specifications provided. This equipment is built to the highest standards with design, components and functionality.

Extended Description:
AUTOMATIC BRINE MAKER PRODUCTION SYSTEM EQUIPMENT

Brine Masters BM-6 / Fully Automated High-Capacity Brine Maker

Brine Production Made Simple: The Brine Masters BM-6 is a work horse that addresses the common problems associated with making brine as compared to other systems.

- Accurate Brine Concentration Measurement works with treated or untreated salts
- Self-Calibrating Brine Concentration Sensor
- Production Rate: Brine Production Rate of 6,000 GPH even with low salt levels
- Clean Out made simple with large clean-out door.
- No screen to remove for Clean-out
- Durability we use only the best components to build our equipment this ensures maximum life span with minimal maintenance and down time
- Features that are not available on other brine makers and performance that exceed any other brine maker in its class.
- Fully automated smart brine production with advanced features, Data logging, Smart controls, and self-diagnostics, Saves headaches and labor.
- Data logging gives useful information to operators and managers.

“The Best cost less” we do not take any short cuts and do it the right way!



BM-6 Shown above with integral controls, without hopper extension

Optional Accessories:

- Storage Tank Level Sensor - High Accuracy / maintenance Free
- Hopper Extension / Flip Cover 13' width
- Cell Gateway for remote control, diagnostics, and data
- Integral or removed salinity controls
- Air Purge Kit of water Lines
- See Our Companion Truck Fill / Blending Systems

Key Design Criteria:

Side Flow design gives unmatched production rates, with simple clean out and versatility with course or fine salts as compared to downward flow brine makers. Patented design allows for efficient brine production even with extremely low levels of salt in the hopper.

State of the art controls, make it simple for operator at the press of a button, Produce brine at the correct concentration without extra labor quickly and efficiently. Utilizing density to measure the solution to work with or without treated salts gives flexibility to use any salt that is available. When it comes time for clean-out, there is no screen to remove, and a large trap door makes it simple to push waste out of the machine.

We are confident that this is the best brine maker on the market in the given class, Performance and durability are the foundation of this design. Quality products cost less to operate, offer longevity, less maintenance as compared to lesser systems

Standard Specifications:

Electric Service Required	230V single or 208-480V 3 Phase options
Fully Automated	Yes
Outside dimension w/o hopper extension	L 132.49" X H 50.23" W 44.52"
Outside dimension w/optional hopper extension	L 152.86" X H 69.63" W 44.52"
Construction	10G 304 Stainless Steel
Brine Concentration Measurement Type	Density
Clean-Out Opening	13.625" x 3.625"
Brine Maker Type	Side Flow
Hopper Capacity without extension	3.4 Cubic Yard
Hopper Salt Capacity with optional extensions	6.3 Cubic Yard
Pump Construction	CAST stainless Steel / direct Mounted onto NEMA C-Face Motor
Pump Drive Motor	3 phase motors are wash down rated constructed of stainless steel / Single phase (rolled steel) TEFC
Actual Production Rate	6,000+ GPH / with equal water source available

Specification subject to change



Shown above with Hopper Extension and Remote Mounted Controls Below



Brine Masters Truck Fill / Blending Systems

On Demand Truck Filling Systems: Brine Masters easily blends on demand any ratio of product as requested during the truck filling process.

- Accurate Blending Ratios up to 3 main products and 1 micro ingredient.
- High quality NEMA C Flange Cast Stainless Steel Pump
- PLC Controls with enhanced data logging may be viewed and directly to a PC or smart Phone
- Individual Profiles of each truck can regulate fill rate and volume
- Individual Data Logging: User, Volume, Ratio, Date, Time and Machine Status
- Accumulated Data Logging gives product used per day
- Analogue tank Level Monitoring of up to 4 products
- Durability we use only the best components to build our equipment this ensures maximum life span with minimal maintenance and down time
- Simple user interface via Outdoor Color Touch screen interface
- Administrative Privileges allows managers to quickly change ratio of products being loaded as weather conditions change.

“The Best cost less” we do not take any short cuts and do it the right way!



TF-XR Shown above with 5HP SS Motor, and optional Toolbox & Air Puge

Optional Accessories:

- Storage Tank Level Sensor - High Accuracy / maintenance Free + or – 0.2” of Liquid height
- Integrated Toolbox
- Air Purge of Truck Fill Hose

2 Fully Automated On-Demand Systems to Choose From:

TF-XR (Real Time Blending with Variable Flow Rate) Patent Pending. Real time blending is a flow-based system when what is being delivered to the truck during the filling process is a constant desired ratio of products and variable flow rate is each truck may have its own desired flow rate.

Or

TF-S (Stack Blending without Variable Flow Rate) Stack Blending Systems are a volume-based system where load one product at a time to the truck to where the blend mixes inside the truck storage tank

Standard Specifications:

	TF-XR	TF-S
Number of Products	3 Main Products & 1 Micro Ingredient	3 Main Products
Fully Automated	Yes	Yes
Blending System Type	Real Time with Variable Flow Rate	Stack Blend
Electric Service Required	230V single or 208-480V 3 Phase options	230V single or 208-480V 3 Phase options
Frame Construction	304 Stainless Steel	304 Stainless Steel
Pump Construction	CAST stainless Steel / direct Mounted onto NEMA C-Face Motor	CAST stainless Steel / direct Mounted onto NEMA C-Face Motor
Pump Motor Options	122 GPM / 3 HP Motor (standard) 200 GPM / 5HP Motor (Optional) 300 GPM / 7.5 HP Motor (Optional)	122 GPM / 3 HP Motor
Pump Drive Motor	3 phase motors are wash down rated constructed of stainless steel / Single phase (rolled steel) TEFC	3 phase motors are wash down rated constructed of stainless steel / Single phase (rolled steel) TEFC
Flow Meter Type	Solid State Mag Meter	Paddle Wheel (standard) Mag Meter (optional)
Operator Interface	Outdoor Rated Ultra Bright Touch Screen 7.3”	Outdoor Rated Touch Screen 4.2”
Electric Enclosure	Stainless Steel	Polycarbonate
Modular and Upgradable	Yes	Yes
Data Logging	Yes	Yes
Remote Access	Yes	Yes
UL Listed Controls	Yes	Yes
Internal Web Page	Yes	Yes

Specification subject to change