

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-148
Item to be Scouted	Autoclave Sterilizer System
Days to be scouted	30
Response Due By	07/18/2024
Description	Gulf Ecosystem Measurement and Modeling Division (GEMMD) has requirement to sterilize laboratory materials including liquids to reduce exposure hazards to lab staff from environmental samples. These samples may include harmful algae, dinoflagellates, sewage-contaminated materials, etc. GEMMDs requirement is to purchase a ready to install and operate commercially available autoclave sterilizer that has local (Pensacola, FL) factory-authorized service and maintenance agreement.
Notify Requester Immediately	
State item to be used in	Florida

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	<p>Shell Assembly Two fabricated Type 316L stainless-steel shells, welded one within the other, form the sterilizer vessel. Type 316L stainlesssteel end frame(s) is welded to door end. On single door units, back of chamber is fitted with welded, 316L stainless-steel formed head. Sterilizer vessel is ASME rated at 50 psig (3.2 Bar) and insulated. The Vessel (for AMSCO 250LS only) includes one 1.0" (25 mm) NPT welded chamber bushing for Customer use. Steam-supply opening inside the chamber is shielded by a Type 316L stainless-steel baffle.</p> <p>Chamber Door(s) Door is constructed of a single formed piece of Type 316L stainless steel. Door is insulated to reduce the surface temperature of the stainless-steel door cover. During cycle operation, door is sealed by a steam-activated door seal. Door seal is constructed of a special long-life rubber compound. When sterilizer cycle is complete, the seal retracts under vacuum into a machined groove in sterilizer end frame. Door seal can be manually retracted to open the door and remove critical load in an emergency situation (if loss of vacuum or loss of power occurs). A handle is used to manually open (by lowering) and manually close (by raising) the door which is suspended by cables attached to a counterweight. A long-life proximity switch is used, by the control, to determine if the door is closed. An additional seal pressure switch prevents inadvertent cycle initiation if door is not sealed. The door assembly is equipped with a mechanical locking mechanism that ensures the door cannot be opened, as long as the seal is intact and energized, and more than 2.0 psi pressure is in the chamber. Door interlocks on double door sterilizers can be programmed to prevent inadvertent opening of door(s). Access code is required to override door interlocks</p>
Provide dimensions / size / tolerances / performance specifications for the item	Autoclave Sterilizer System similar in form and function to AMSCO 250LS – 20 x 20 x 38" (508 x 508 x 965 mm), 250L capacity

List required materials needed to make the product, including materials of product components	see attached documentation
Are there applicable certification requirements?	Yes
Certification(s) required	UL
Details	<p>Each sterilizer meets applicable requirements of the following listings and standards, and carries the appropriate symbols.</p> <ul style="list-style-type: none"> • Governing Directives for Affixing the CE Mark: <ul style="list-style-type: none"> » Low-Voltage Directive (2014/35/EU) » EMC Directive (2014/30/EU) » Machinery Directive (2006/42/EEC) • Pressure Equipment Directive (PED): 97/23/EC. • UL/EN/CSA 61010-1: Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use Part 1: General Requirements • UL/EN/CSA 61010-2-040: Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use, Part 2-040: Particular Requirements For Sterilizers And Washer-Disinfectors Used To Treat Medical Materials • ASME Code, Section VIII, Division 1 for unfired pressure vessels. The pressure vessel is so stamped; ASME Form U-1 is furnished. The shell and door are constructed to withstand a working pressure of 45 psig (3.1 bar).
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
NAICS 1	334413A100 Other semiconductor devices, including semiconductor parts such as chips, wafers, and heat sinks - 334413A100
NAICS 2	
Additional Technical Comments	Please see attached documents

Section 4: Business Information

Estimated potential business volume	1 autoclave sterilizer is needed
Estimated target price / unit cost information (if unavailable explain)	\$69,000.00
When is it needed by?	1 month
Describe packaging requirements	Delivered and installed at GEMMD facility, FOB
Where will this item be shipped?	US EPA Gulf Breeze, FL 32561-5299

Additional Comments

Is there other information you would like to include?	GEMMD is purchasing a new autoclave sterilizer to replace an older unit that does NOT have local service or parts available.
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