



**OREGON STATE UNIVERSITY
REQUEST FOR QUOTE (RFQ)**

		ISSUE DATE:	August 28, 2012		
RFQ #	DL161115Q	RFQ DUE DATE:	August 31, 2012, 10 AM		
DELIVER TO:		REQUESTED BY / RETURN QUOTE TO:			
DEPARTMENT:	Ag. Life Sciences	NAME:	Debora Lauer		
ADDRESS:	Oregon State University	E-MAIL:	Debora.Lauer@oregonstate.edu		
CITY, STATE ZIP:	Corvallis, OR 97331	TELEPHONE:	541-737-7343		
REQUIRED DELIVERY DATE:	November 1, 2012	FAX:	541-737-2170		
ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL PRICE
1	Quad Rotary Claw Laboratory Vacuum System	1	Ea		
	See Detailed Specifications				
	Shipping must be included				
Delivery is f.o.b. destination, prepaid and allowed. Shipping, freight and handling must be included in quoted prices. Additional costs for such are disallowed.				TOTAL	
DELIVERY TIME AFTER RECEIPT OF ORDER:				PRICES VALID THROUGH:	
SPECIAL INSTRUCTIONS:		VENDOR INFORMATION:			
1. Unless otherwise specified, all items quoted are to be new, unused and not remanufactured in any way. 2. Brand names are for the purpose of describing and establishing the characteristics desired and are not intended to limit or restrict competition. Quoters may submit quotes for substantially equivalent products unless the RFQ provides that a specific brand is necessary because of compatibility requirements, etc. All such brand substitutions shall be subject to approval by OSU. 3. Quoters must clearly identify all products quoted. Brand name and model or number must be shown. 4. Only documents issued as addenda by OSU serve to change the RFQ in any way. 5. OSU reserves the right to make the award by item, partial or whole lots, groups of items or entire quote, whichever is in the best interest of OSU. 6. OSU may reject any Quote not in compliance with the RFQ, attachments, and addenda, or if it is in the best interest of OSU.		COMPANY:			
		ADDRESS:			
		CITY, STATE, ZIP:			
		CONTACT NAME:			
		E-MAIL:			
		TELEPHONE:			
FAX:				VENDOR SIGNATURE:	
		<i>By signature below the undersigned certifies that they are authorized to act on behalf of the quoter and will comply with all aspects of the quote herein.</i>			
		SIGNATURE:			
		NAME/TITLE:			

This procurement is subject to the indicated Oregon State University Standard Terms and Conditions for: Goods Services Purchase Order Construction Software. The indicated terms and conditions may be viewed at <http://pacs.oregonstate.edu/terms-and-conditions>



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Detailed Specifications

ITEM 1: QUAD ROTARY CLAW LABORATORY VACUUM SYSTEM

Performance Data:

- 165 CFM Pump Displacement (each pump)
- 177 ACFM Nominal Pumping Speed (each pump)
- 660 ACFM Total Pumping Speed (4 pumps)
- 26.5" Hg Maximum Vacuum Rating
- 7.5 HP Motor Rating (5.5 kW - each pump)
- 3600 RPM Rotor Speed
- 79 dB (a) Maximum Sound Level @ 3 Feet (each pump)

Quadplex central laboratory vacuum system consisting of four (4) each MM1252 single stage, direct driven, air-cooled, rotary claw vacuum pumps. Each driven by a 7.5 HP, 3/60/230/460 volt TEFC motor, mounted with a 240 gallon vertical vacuum vessel on an expandable skid with the following features:

- Non-contacting design
- Dry (oil-free) pumping chamber
- Busch 2" vacuum gauge
- Anti-suck-back valve
- Inlet screen
- Discharge silencer
- (4) **Optional electric operated ball-type isolation valves.**
- (4) Auto-purge arrangements
- (4) 10 micron inlet filters
- Flexible connectors
- Busch 3 1/2" vacuum gauge, Type B-30
- (1) 240 gallon vertical receiver, ASME Code stamped with manual drain valve
- (1) Pressure transmitter
- (1) Modular stand assembly for vertical arrangement

- (1) Motor control center, consisting of:
 - (4) IEC magnetic motor starters with integral overload and short circuit protection, with pad-lockable disconnecting means
 - (1) Low voltage control transformer with primary and secondary fuses
 - (4) Manual-Purge/Stop-Auto switches with integral pump run lights
 - (1) Programmable controller with data interface for adjusting operating set points
 - (1) 24 VDC power supply for use with an externally mounted pressure transmitter
 - (1) Power distribution block for single point power feed connection
 - (4) Hour meters
 - (1) Lot equipment ground and terminal blocks as required
 - (1) NEMA 4/12 enclosure