

Item No.	Quantity	Type, Cat. or Part No.	Description	Unit Price	Total Price	Estimated Ship
			Schedule B harmonize code: 8419.40.0080			
1			<p>Pilot -15 Centrifugal Molecular Distillation System which processes up to 80 lbs (35 kilogram) per hour depending on process conditions. 115/208 volt, three phase WYE , 50/60 Hz, 5 wire</p> <p>Includes:</p> <ul style="list-style-type: none"> • Main Chamber Vacuum Pumping System: Stainless steel vacuum lines are connected to a glass liquid nitrogen trap with stainless steel insert, KSM-200 diffusion ejector pump and this is backed by a direct drive rotary vacuum pump (>11 CFM). • Liquid Transfer System: Four (4) variable speed pump gear pumps, with heat traced stainless steel tubing, thermocouples with closed loop control, check valves in feed, distillate and residue lines for continuous atmosphere to atmosphere operation. (Lines to and from the system and material vessels to be provided by customer). • Main Chamber: glass cylindrical distillation chamber with stainless steel rotor (rotor spins at constant speed), 		\$97,000	16-18 wks ARO

Terms: To Be Negotiated At Time Of Order Unless Otherwise Noted Here

Quoted By: _____
Dean M. Myers

Prices Quoted are: F.O.B. Kittanning, PA F.O.B Destination

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			<p>stainless steel top plate condenser all mounted to a stainless steel base plate. A resistance type electrical heater uniformly heats the rotor. Includes all stainless steel shields to keep residue, distillate and feed material separate.</p> <ul style="list-style-type: none"> • Degassing chamber: (falling film) heated cylinder glass with, rotating cup and separate glass liquid nitrogen trap with stainless steel insert and a direct drive rotary vacuum pumps (>11 CFM). • Control Center: All of the readouts and controls are conveniently grouped on a touch screen panel. The screen offers displays of the vacuum pressures and rotor residue. Plus the actual and set point temperatures of the degasser feed line heater, degasser jacket heater, rotor feed line heater, the rotor heater, residue line heater and distillate line heater. Controls of all vacuum pumps, feed pumps and motors are also located here • Cooling Control: three water valves, two 1/4 FPT bulk head fitting for customer's supply of air and cooling water, and three 1/8 FPT 			

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			<p>fitting for customer's drain connections.</p> <ul style="list-style-type: none"> • Power Distribution: a single point wiring disconnect is supplied above the high voltage distribution center. • Manual: user manual in English with all major assembly drawing, electrical schematics and OEM manuals. • One year warranty. <p><i>*Liquid transfer pump manufactures warranty applies to pump(s) provided on the system, no other warranty is expressed or implied. It is up to the system operator/owner to decide if material is suitable for use in the system</i></p> <p>Terms of payment: 30% with order 30% Engineering release 30% shipment 10% upon installation (not to exceed 45 days after shipping)</p>			
2			One week of onsite installation supervision		\$3,000	

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3	1		Spare Parts Kit Includes: 2269269-1 Bearing, Outboard Ball --Rotor Shaft 269269-2 Bearing Inboard Ball -- Rotor Shaft 50076 Seal rotor feed thru vacuum 269265-1 Oil Seal Rotor Shaft 266039-1 L-Gasket -- Still Chamber - Qty 2 281810-3Gasket Gutter -- Residue Gutter 264091-38 O-Ring -- Rotor Drive Housing 4010-226 Gasket Refrigerant Insert-Trap Camber 63754 Gasket Refrigerant Insert- Trap Degasser 267659 Bearing Ball 5/16 Shaft-Degass Chamber Feed Thru 267660 Bearing Ball 3/8 Shaft -- Degass Chamber Feed Thru 264091-31 O-Ring -- Degasser Chamber Manifold 271630-1 L-Gasket—Degasser Chamber Qty 2 70010-20 O-Ring Friction Drive Qty 3 267066 Seal Degasser Shaft 264091-16 O-ring—Diffusion Pump Outlet 70010-59O-Ring—Diffusion Pump Inlet 60786-11 Convoil-20 Diffusion Pump Fluid 1qt 60786-140 CVC-19 Mechanical Pump Fluid 1gal		\$1,232	W/sys

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4	2		LN2 Automatic Fill for chamber or Degasser trap Includes <ul style="list-style-type: none"> • Liquid Level Controller • Liquid Nitrogen Transfer Assembly W ½"Flare fitting to Dewar • Two Liquid Sensors 	\$2,380	\$4,760	With System
5			C & IF Crating for overseas certified wood Two(2) Crates 1 pc at 1273 lbs. dims: 70x36x75"IN 1 pc at 548 lbs. dims: 40x32x67"IN		TBD	