

Product Name : Solid Liquid Extraction Unit	Product Code : NLAB-TECHNICALAB37009
Description : Solid Liquid Extraction Unit	
Technical Specification : <p>A continuous three stage solid/liquid extraction system using the rotary extraction cell design. The rotacell rotation speed is variable (0-4 revs/hour).</p> <p>Delivery of feed material is automated and feed rate is variable (0-3 L/hr).</p> <p>Operation modes are batch, or continuous with 1, 2 or 3 stages. Independant temperature control is provided at each stage. Flow of all three solvent stages is variable (0-13.5 L/hr).</p> <p>Conductivity of the fluid stream is measured at the input, and at the output of each of the three stages.</p> <p>Experimental capabilities include:</p> <p>Demonstration of batch and continuous multiple stage liquid/solid extraction processes. - Investigation into the effect of solvent temperatures and flow rates of solvent and solids. - Mass balancing. - Process economics.</p> <p>Solid Liquid Extraction Unit Features :</p> <p>Self contained floor standing unit with integral control and instrumentation console</p> <p>Three stage extraction process, can also be configured as 1 or 2 stages</p> <p>Independent vessel for closed loop batch extraction</p> <p>Temperature control at each stage</p> <p>Individual control of solvent feed pumps at each stage, of cell rotation rate and of feed rate</p> <p>Probes at each stage allow full monitoring of the process</p> <p>With the data logger, the product concentrations can be directly displayed in real time (for the recommended</p>	

material)

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