

# MEAB

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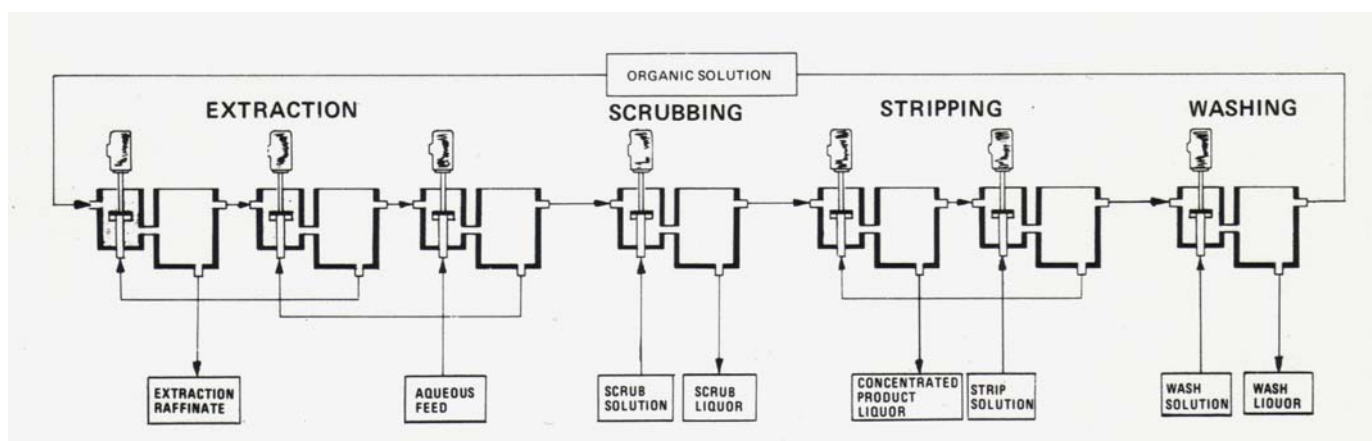
## MSU SQ

- SOLVENT EXTRACTION EQUIPMENT

Equipment ideally suited for:

- Development of Chemicals and Processes
- Flow Sheet Evaluation
- Industrial Plant Operation and Small Scale Production
- Education and Industrial Training

## DESIGN YOUR OWN SOLVENT EXTRACTION TESTING UNIT ...



... AND WE WILL SUPPLY THE  
SUITABLE EQUIPMENT

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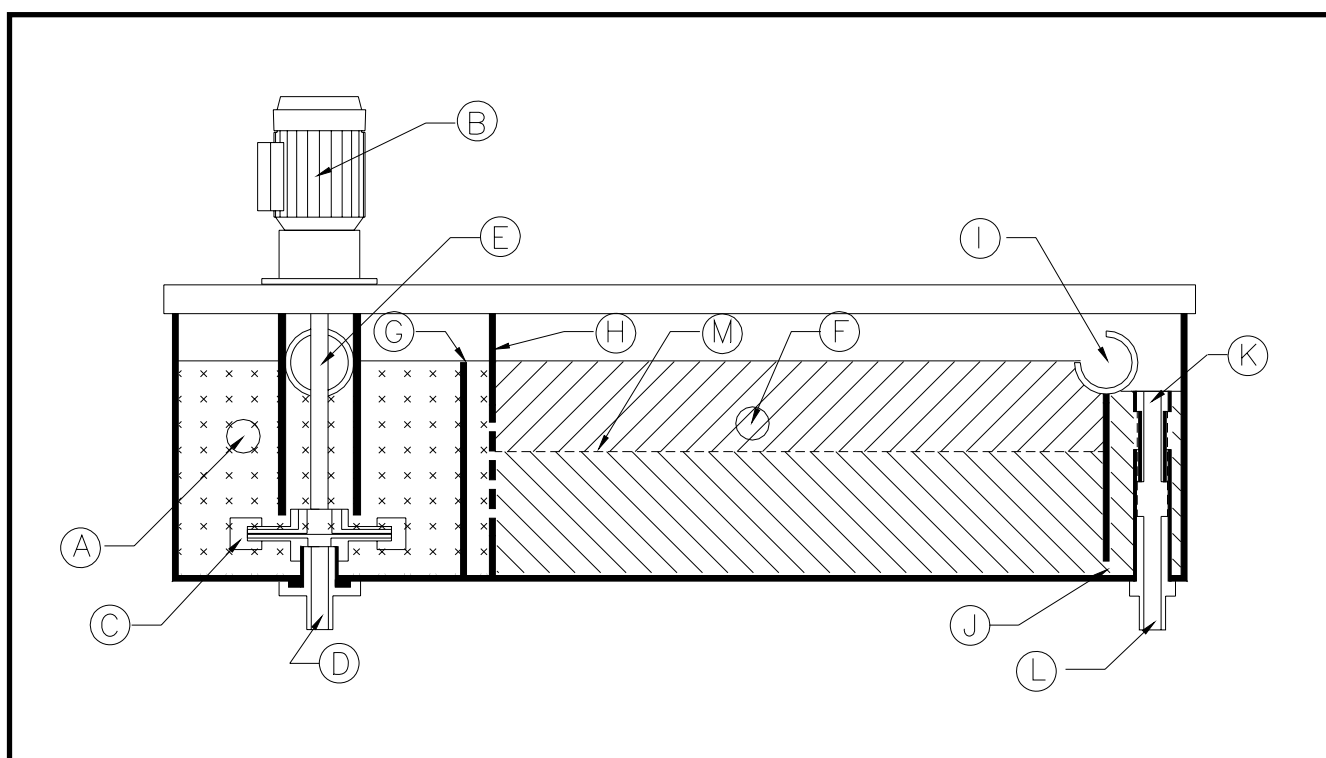
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## MSU LABORATORY AND INDUSTRIAL MIXER-SETTLER UNITS

The modular construction of the MSU SQ mixer-settler units allows you to design your own, suitably sized, testing equipment with the inherent flexibility needed for the efficient development and evaluation of solvent extraction processes. The pilot-scale units, supplied with a complete range of auxiliary equipment, provide reliable chemical and engineering data and sufficient product solutions for further evaluation.

The MSU SQ units are pump-mixer-settler units, built in a squared tank as shown in the drawing below. An AC motor, equipped with an adjustable frequency inverter for stirrer speed control, drives the stirrer. Each unit is designed to operate hydrodynamically independent of other units, an advantage which enables flexibility in selecting number of stages. A wide selection of construction materials are available; like stainless steel (SS), glass fibre reinforced polyester (GRP), polyvinyl chloride (PVC), polypropylene (PP) and/or polyvinylidene fluoride (PVDF).



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|------------------------------------|--|
| A. Mixing chamber                  | B. Variable speed stirrer motor                  |
| C. Turbine pump impeller           | D. Inlet, heavier solvent                        |
| E. Inlet, lighter solvent          | F. Settling compartment                          |
| G. Outlet/inlet mixer/settler      | H. Picket fence distributor                      |
| I. Outlet weir, lighter solvent    | J. Underflow, heavier solvent                    |
| K. Outflow cavity, heavier solvent | L. Adjustable jack-leg outflows, heavier solvent |
| M. Phase boundary                  |  |