Chemical Reactors

A selection of units from the Armfield range



CEXC

Computer controlled Chemical Reactors Training Equipment

This range of small-scale chemical reactors comprises five units, which represent the types of reactors found in industry. Three of the reactors mount on a common bench top service unit (below) whilst the other two are free-standing



Tubular Reactor (Accessory for CEXC)





CEU



Catalytic Reactors

The reactor utilises the sugar inversion reaction to study the performance of packed bed chemical and biological catalytic reactors.

Fixed and Fluidised Bed Apparatus

The upward flow of fluid through a bed of particles is encountered in nature and in many industrial processes. The unit facilitates the study of flow through fixed and fluidised beds of solid particles.



CEPMkII



Stirred Tank Reactors in Series

Investigation of dynamic behaviour of stirred tank reactors in series demonstrating the influence of flow rate and step input change, chemical reaction in a three tank system and time constant using a dead-time coil

CEY/CEZ

Plug Flow and Laminar Flow Reactors (Accessories for CEXC)



Armfield develops and maintains it's own powerful data entry, data logging, acquisition and control software, utilised on many of these units. for more details:

www.armfield.co.uk/armsoft



