EQUIPMENT CARD

PLAPIQUI



5611

Glass reactor vessel (25 L) (Figmay)

DESCRIPTION

Jacketed 25 L glass reactor that can be operated as a continuous stirred tank (CSTR) or as a batch stirred tank. The transparent body allows the progress of the reaction and the state of the phases to be followed visually.

MAIN FEATURES

- Nominal volume: 25 L
- Material: jacketed borosilicate glass, with stainless steel metal parts
- Operating mode: continuous stirred tank (CSTR) or batch stirred tank
- Thermostatting: jacket for circulation of heating or cooling fluid from an external bath
- Stirring: mechanical, with variable speed motor and interchangeable impeller
- Lid: with multiple ports for reactant charging, thermocouple, reflux condenser, sampling and pH sensor
- Discharge: bottom valve
- Operation: at atmospheric pressure or slight overpressure; not suitable for high pressure

MAIN APPLICATIONS

- Reaction tests at pilot plant scale
- Scale-up of reactions optimized in laboratory reactors
- Production of product batches for characterization and further testing
- Extraction and functionalization of natural products
- Studies of mixing, mass transfer and residence time

ASSOCIATED TECHNOLOGY, CAPABILITIES AND SERVICE

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