EQUIPMENT CARD

PLAPIQUI



#5612

Glass reactor vessel (50 L) (Figmay)

DESCRIPTION

Jacketed 50 L glass reactor, of the same design as the 25 L unit but with greater capacity. It completes the working scale of the pilot plant and allows larger batches to be produced.

MAIN FEATURES

- Nominal volume: 50 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 charging, instrumentation, reflux and sampling
- Discharge: bottom valve
- Structure: metal support frame with a clamping system for the glass body
- Operation: at atmospheric pressure or slight overpressure

MAIN APPLICATIONS

- Production of larger batches at pilot plant scale
- Verification of reaction scale-up from 25 L
- Production of product quantities for application or validation testing
- Extraction, neutralization and precipitation processes at intermediate scale
- Valorization of natural products in representative volumes

ASSOCIATED TECHNOLOGY, CAPABILITY AND SERVICE

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