Catalyst Preparation Plant

Miniplant

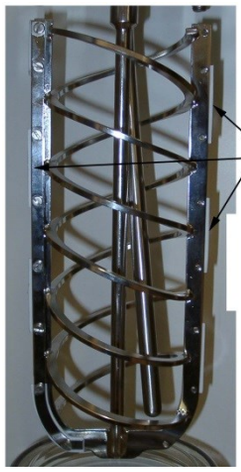
Synthesis Reactor

- 3 l stirred glass reactor system
- Liquid and gas feed, solid feeder for slurries
- Design pressure 3 bar, T_{max}= 200 °C
- Industrial control system

Technical Data

Dimensions plant W x D x H	2000 mm x 1300 mm x 1050 mm
Mass of the unit without computer + spares	400 kg
Electrical supply	380 V, 60 Hz, 16 A
Ambient temperature range	5 to 40 °C, max. humidity 80%
Pressure conditions	-1 to 3 bar
Temperature conditions	Design temperature 200 °C, operating temperature 175 °C
Reactor type	3 l stirred glass reactor with stainless steel lid
Stirrer torque	5 Nm
Gas supplies	Ethylene, nitrogen
Liquid supplies	Pressurized burettes (hecane, i-pentane)
Solid and slurry supply	Solid feeder 1l

liquid feed



stirrer

glass reactor

AP-Miniplant turn-key research plants are used for:

- *Absorption, Adsorption, Extraction*
- *Reactive distillation. Distillation, Rectification, Evaporator, Humidification*
- *Precipitation, Stirred Reactor, Dryer, Mixer, Filter*
- *Polymerization Reactor, Polycondensation, Gas Phase Polymerization*
- *Catalyst Test System, Fixed Bed Reactor, High Temperature Furnace*
- *Training Plant, Container Unit, Gas, Liquid and Solid Dosing*

Smart Solutions for Small Plants

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