

5 l Polymerization Reactor



- Jacketed reactor for 16 bar and 350 °C
- Direct condenser and reflux column
- Full vacuum and liquid N₂-trap
- High temperature oil thermostat

Technical data

Dimension plant (W x D x H)	1750 x 800 x 2150 mm
Weight plant	688 kg
Electrical supply	3P ~ 400 V / 50 Hz / 32 A
Ambient conditions	0 to 35 °C
Pressure conditions	-1 to 16 bar
Temperature conditions	-10 to 350 °C
Reactor type	Reactor of stainless steel (5 l, conical bottom) with lift system, electrical lid heating and heated bottom valve
Tanks	2x Tank of stainless steel (1 l) with cold trap of glass (250 ml) and dewar vessel
Other	Heated reflux column with condenser, EG-condenser, vacuum pump
Thermostats	9 kW / 50-330°C and 2 kW / 60-140°C



Reactor with safety guard



Lid of the reactor



Switch of the lift system



Lift system

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



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