

Fuel Gas Pressure Reduction



- **Simulation of the Joule-Thomson-Effect**
- **Use of humidified hot air for the simulation**
- **Three gas consumers of different size can be automatically switched as a disruptive factor**
- **Sight glass for observation of dew-point during pressure changes**

Technical data

Dimension plant (W x D x H)	2000 x 800 x 1800 mm
Weight plant	405 kg
Electrical supply	3P ~ 380 V / 60 Hz / 20 A
Ambient conditions	5 to 35 °C
Pressure conditions	0 to 6 bar
Temperature conditions	-10 to 180 °C
Thermostat	1.2 kW / -10 - 40 °C
Other	2x Sight glass, air heater, tanks
Automation	Industrial control system with training programs



Sight glass (right)



Sight glass (left)



Tank



Water tank



Water pump
Water flow meter



Inline air heater

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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