

EXPERIMENTAL AND SCIENTIFIC EQUIPMENT FOR RESEARCH ACTIVITIES

- 2-bed-PSA-plant in climate chamber (2 x 2.2 l adsorber volume)
- 2-bed-PSA-plant (2 x 4.2 l adsorber volume)
- Independent compressed air supply up to 12 bar
- Various devices for the filling of fixed bed adsorbers (snowstorm filling, vibration plate, etc.)
- High precision mass flow detection and oxygen analytics
- Test rig for the investigation of breakthrough curves (with FID)
- Test rig for the investigation of desiccants (with moisture indicator)
- Test rig for the determination of pressure drop and fluidisation properties of fixed beds
- Equipment for the determination of the oil and moisture content of adsorbents
- Equipment for the determination of the thermal conductivity of adsorbents
- Plant for the impregnation of adsorbents
- Test rig for the detection of H₂S-breakthrough curves (externally at CarboTech AC GmbH)
- Access to the simulation tool „Aspen Adsorption“