

Powder Conditioner for moisture equilibration



Pre-treatment of powders for analysis of bulk properties such as rheometric properties, flowability, compactibility or caking behavior.

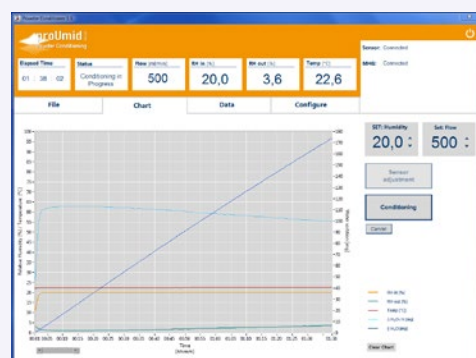
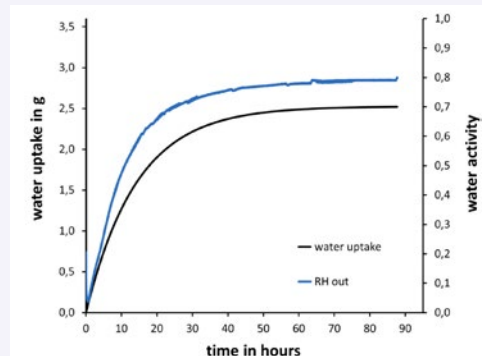
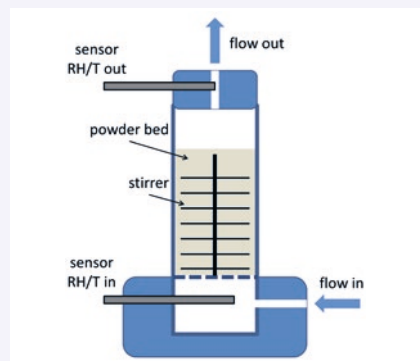
Features

- Fully automated equilibration process
- Determination of water activity
- Calculation of water uptake/loss
- Can be placed inside a temperature controlled chamber
- Configurable stirrer unit (optional) for continuous agitation of fine powder samples

Technical data

Usable volume	200 ml
Dimensions glass cylinder	Ø50 mm, height 150 mm
Humidity range	2 % RH to 95 % RH*
Humidity sensor accuracy	±0.8 % RH (0 ... 95 % RH), ±0.1 K, at 10 ... 30 °C long term stability: better than 1 % per year
Selectable flow rate	0 ... 500 ml/min controlled
Environmental conditions	Powder Conditioner: +10 °C to +60 °C, max 75 % RH MHG32 humidity generator: +15 °C to +35 °C, max 75 % RH
Supply line, sensor cable	2 m length
Water supply	removable tank, 700 ml
Gas supply	compressed air/N ₂ ** 2 bar to 10 bar dry, clean, oil-free (class 1, ISO 8573-1:2010)
Power supply	MHG32: 100-120 VAC and 200-240 VAC, 50-60 Hz, 180 W Powder Conditioner: USB interface
Software	for the operation of the Powder Conditioner with the ProUmid MHG32 humidity generator. Computer is not included. operating system Windows 7/Windows 10

Moisture equilibration of powders, granules or pellets at controlled relative humidity. The powder conditioner is connected to a MHG32 humidity generator that provides a humidity controlled gas flow.



* The minimum achievable humidity depends on the water content of the carrier gas. Sensor data based on Rotronic HC2S-A.
 ** Other gases on request. By default, flow controllers are calibrated to air as carrier gas.