

Powder Conditioner for moisture equilibration



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.

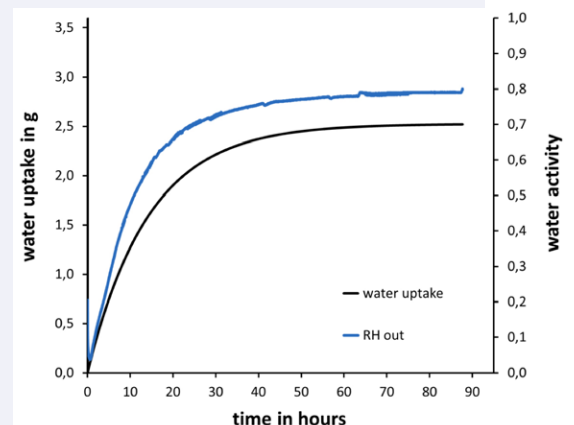
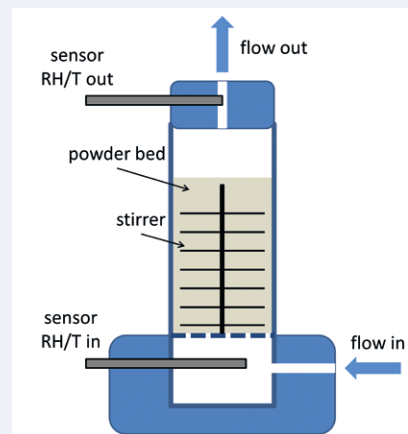
Pre-treatment of powders for analysis of bulk properties using equipment such as powder rheometer, flow tester, caking tester or ring shear cell

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 for continuous agitation of fine powders

Technical data

Usable volume	200 ml
Min particle size	<100 µm
Humidity range	2% RH to 95% RH*
Humidity sensor accuracy	±0,6% RH (0 ... 100% RH) bei 23°C ±5°C
Selectable mass flow	0 ... 500 ml/min with controlled flow
Environmental conditions	Powder Conditioner: +10°C to +60°C, max 75% RH MHG32 Humidity Generator: +15°C bis +35°C, max 75% RH
Tube/cable length	2 m length
Gas supply	compressed air/ N ₂ ** operating pressure: 1 bar to 6 bar dew point: < -70°C cleaned, oil free
Power supply	MHG32: voltage: 100-120, 200-240 VAC consumption: 65 W Powder Conditioner: USB Interface
Control software	Windows 7 / Windows 10



* Note: Minimum humidity value depends on the water content of the gas supply.
 High humidity levels require a stable, temperature controlled environment.
 ** Note: Other media or gases on request.