Quick Operation Guide Spray Chilling Accessory

Mini Spray Dryer **B-290/** Dehumidifier **B-296**

Fill water or thermic oil into the heating bath	For melting points below 50°C, water can be used. For higher melting points oil or polyethylene glycol is recommended.
Switch instrument on	Due to the connected long temperature probe, the instrument is preset to the spray chilling mode.
Switch peristaltic pump on	Set point of the peristaltic pump is 30%.
Set the temperature of the heating bath, switch heater on	A heating temperature 40% above the melting point of the product is recommended.
Open compressed air	By opening the needle valve on the flow control, the compressed air for the dispersion is set. Typical level is 40 mm (approx. 600 l/h).
Wait until the system is heated up (approx. 1h)	The temperature is displayed as OUTLET temperature. Check that the melt in the product feed vessel is completely liquified.
Optional: Switch on B-296	Optional Instrument, in case of a cooling of the inlet air. The INLET temperature shows the temperature of the cooling air.
Switch aspirator on	Generates the gas stream in the system. 100% is recommended. Wait until the complete system has reached steady conditions.
Open the needle valve	The hot melt will pour into the nozzle.
Spray chilling process	
Push nozzle cleaning	In case of a blocked nozzle, push the nozzle cleaning.
Switch off aspirator, heater, peristaltic pump and turn off the spray flow	Remove the spray chilling accessory for cleaning.