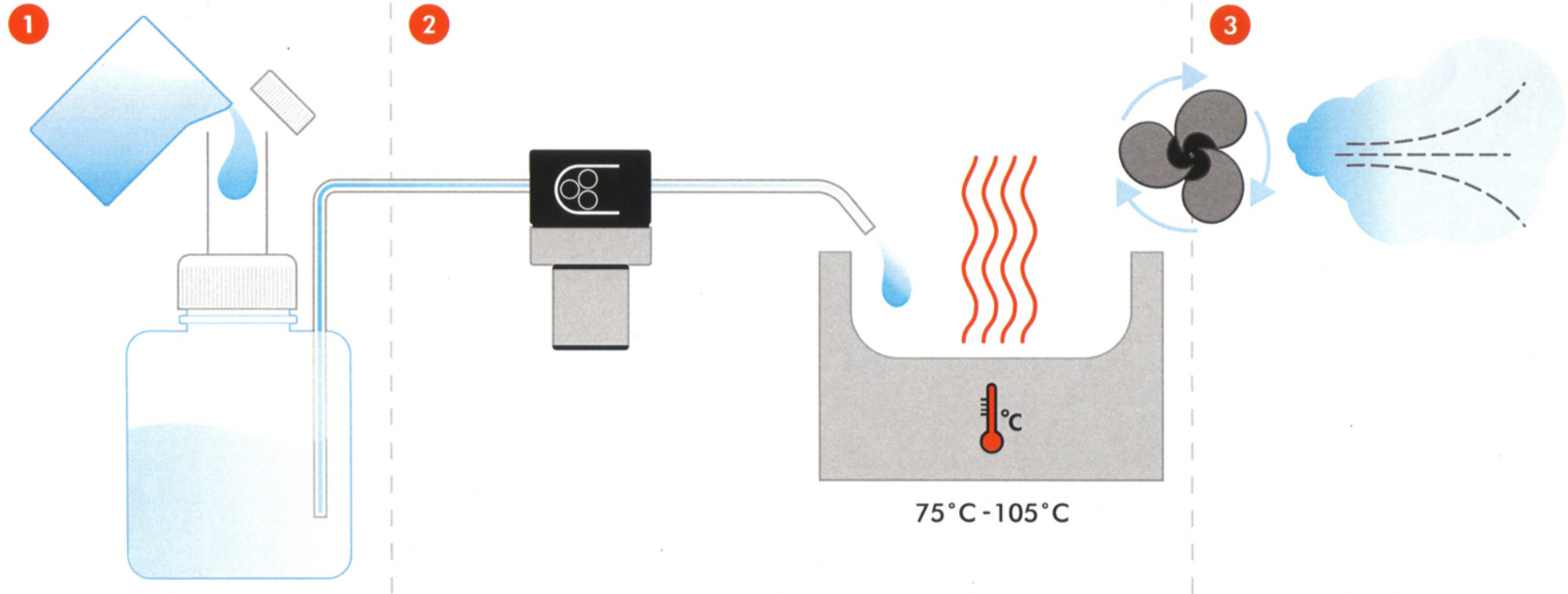


H35 Humidifier / Working principles



A reservoir is filled with de-ionised water. The system prompts the user to replenish the reservoir when necessary. A sensor determines when moisture should be added to the workstation atmosphere.

A boiler, maintained at a holding temperature of 75°C, is heated to an operating temperature of 105°C. When the boiler has reached its operating temperature, a small amount of water is added to the boiler using a peristaltic pump. This water is instantly converted into a fine plume of steam.

A fan assisted airflow gently introduces the steam into the chamber. This is absorbed rapidly by the chamber atmosphere. The process is repeated until a sensor determines that sufficient moisture has been added.