

Maintaining Humidity

Covering Mesh Ventilation with Solid Cover



Humidity escaping



Humidity contained

Most glass enclosures available to hobbyists are designed primarily for reptiles rather than arachnids. As a result, they promote **higher levels of airflow**, which is often unnecessary for scorpions and problematic for **moisture dependent species**.

Humidity naturally rises within an enclosure, and when a full mesh lid is used, this moisture escapes rapidly regardless of how often the enclosure is misted. This makes **stable humidity difficult to maintain** and often leads to excessive misting.

The most effective way to retain humidity is to **reduce ventilation by covering a portion of the mesh lid** with a flat solid material such as glass or plastic. **The amount covered should roughly match the humidity requirements of the species being kept.**

So if you're aiming for an 80% humidity range then cover 80% of the ventilation.

This method allows humidity to remain stable throughout the enclosure and helps maintain **consistent substrate moisture**, which is especially important for fossorial species.

Proper humidity control is essential for feeding behavior, successful moulting, hydration, and long term survival in captivity. For many species, maintaining correct humidity is **not optional**, but a fundamental requirement for thriving.

