



BRAND NEW Reactor: Simplify Your Synthesis!

Anton Paar introduces a brand new reactor, which will be your perfect mate in any synthetic chemistry laboratory. It combines the amenities of a microwave reactor and a hot plate in one handy instrument.

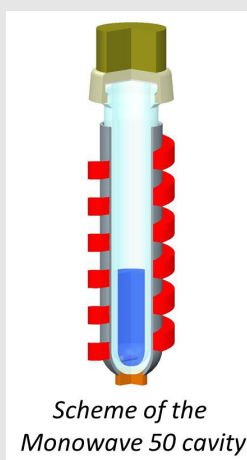
Accelerate your reactions from several hours to a few minutes in an economically priced instrument which fits on every lab bench!



Monowave 50 - It's that simple.

Just as a common microwave reactor, Monowave 50 features a cavity which hosts the reaction vial made of glass. It can be closed pressure tight and heated with a conventional heating coil up to 250 °C.

Experiments have shown that the performance can be compared to that of a usual microwave reactor, providing similar efficiency due to closed vessel heating to elevated temperatures and pressures.



Scheme of the Monowave 50 cavity

Monowave 50 combines the benefits of a microwave reactor ...

- **Elevated temperatures and pressures**
 - ⇒ Closed vessel operation
 - ⇒ Reduced reaction times
 - ⇒ Fast heating and integrated cooling
- **Simple handling**
 - ⇒ Intuitive software programming
 - ⇒ Single-handed reactor operation
- **Alternative configuration**
 - ⇒ Reactor is also available with pressure sensor

... with the benefits of a conventional hot plate.

- **Small footprint**
 - ⇒ Fits easily even on crowded lab benches
 - ⇒ Low weight
- **Easy installation**
 - ⇒ Plug-and-play reactor
 - ⇒ No compressed air required
- **Effective homogenization**
 - ⇒ Variable stirring speed
- **Economic price**
 - ⇒ Budget friendly synthesis reactor solution

Specifications

- Reaction Volume 2 - 6 mL
- Max. Pressure 20 bar (290 psi)
- Max. Temperature 250 °C
- Stirring up to 1200 rpm
- Weight 8.5 kg
- No hood required
- No compressed air required

The temperature sensor and the stirrer are already integrated. Optionally the reactor can also be ordered with a pressure sensor.



Do you have any questions?

Contact Anton Paar directly:
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