

# MeltPrep

lets **you**  
**focus**  
on research



## VChamber

Turns a regular hot plate  
into a vacuum oven

f @ in  
meltprep.com



## Are you moving your samples?

An avoidable source of error.

The MeltPrep VChamber turns any hot plate into a vacuum oven. It is designed to be easily installed on existing hot plates, e.g. lab heaters or measurement devices. Already established methods are mostly based on vacuum ovens, where samples are layed in and moved after the vacuum treatment. Our solution brings the vacuum to the samples and not the other way around. The samples remain on the hot plate, no aging or moisture uptake occurs during movement.

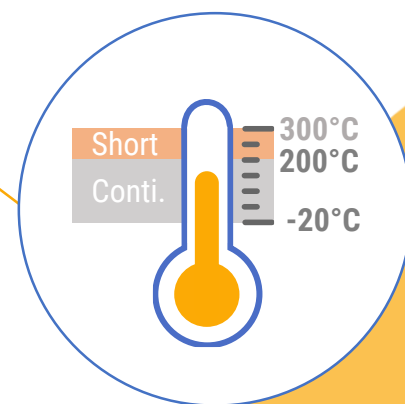
## What can it be used for?

For more than one expects.

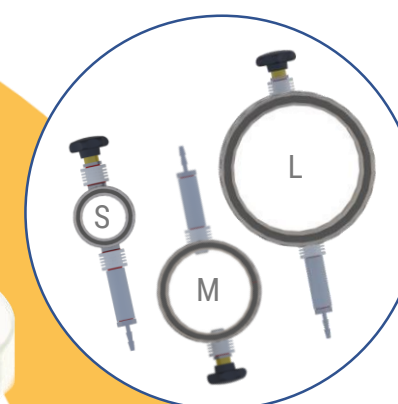
The materials can be melted directly on your existing hot plate which gives you the opportunity to proceed right on and prevents moisture uptake and aging effects. For example, samples can be molten on your Rheometer under vacuum directly. Subsequently, the VChamber is removed and one can proceed with the measurement.

### High temperature

The VChamber is designed for the continuous operation up to 200°C. For short term applications temperatures must not exceed 300°C. At the lower end -20°C can be reached when required. Thanks to the thermally isolated handles you can easily operate it without gloves.



Glass lid



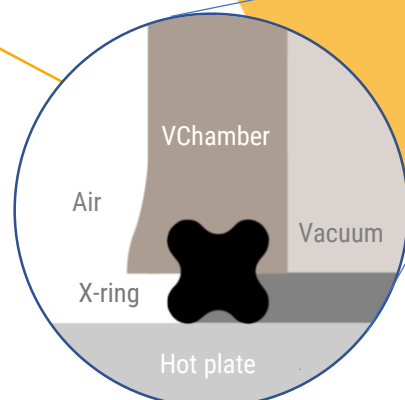
### 3 Dimensions

Size matters. Choose the size that fits your hot plate and application to prevent unnecessary long cycle times.

VChamber	Outer Ø (mm)	Inner Ø (mm)	Inner Heights (mm)
S	60	40	35
M	100	80	60
L	150	120	100

### Direct contact

The VChamber seals at your hot plate directly. Temperature resistant X-rings ensure reliable sealing and act as thermal isolators to minimize heat transfer between VChamber and hot plate. Thus, the heat is sufficiently directed towards the samples.



### Fast cycles

The integrated controls of hot plate regulate the plate temperature. Samples located on the hot plate reach the set temperatures almost as fast as your hot plate. The VChamber is thermally isolated from the hot plate to minimize thermal inertia. It is available in 3 dimensions to enable fast evacuation and purge as well as temperature cycles.

# Got your attention?

[www.meltprep.com](http://www.meltprep.com)

MeltPrep GmbH | Nikolaiplatz 4/3 | 8020 Graz | Austria

Partnering with

