



# GORE® Portable Electronic Vents

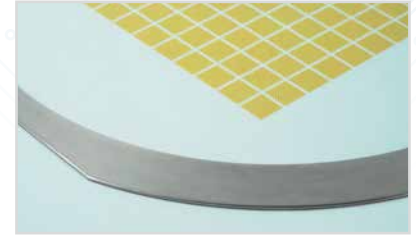
## GORE® MEMS Protective Vent

### Product Information and Installation Guideline

Technical challenges during high-volume assembly of printed circuit boards can jeopardize the integrity of MEMS microphones – leading to performance degradation, significant yield losses and higher manufacturing costs.

#### Style 200 - for microphone manufacturers:

- Can be installed inside the MEMS microphone during the microphone packaging process.
- Parts digitally mapped in a wafer format.
- Compatible with high speed die attach equipment.



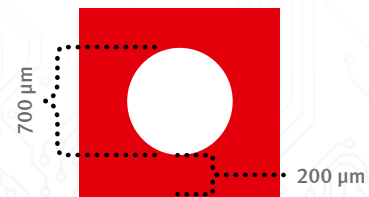
Product Performance Characteristics		Dimensions	
Part number	VP0002MPN	Vent	
Membrane Type	ePTFE	Outer/Inner Diameter	1.1 mm / 0.7 mm
Membrane Characteristic	Oleophobic	Typical Thickness	<0.075 mm
Membrane Color	White	Wafer Loop	
Min. Airflow	6 L/hr @ 12 mbar	Format	Standard 8 inch metal
Adhesive Temp Resistance	Max. 280 °C for 40 sec	Pick Area	200 mm
Particle Retention	98.5% @ 5 µm	Quantity Per Hoop	~7700 pieces

#### Design

Individual Layers

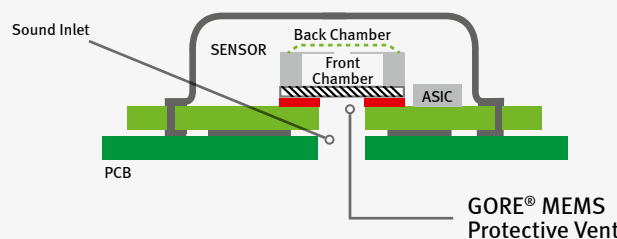


Approximate Dimensional Limitations



#### Placement of Vent

Bottom Port





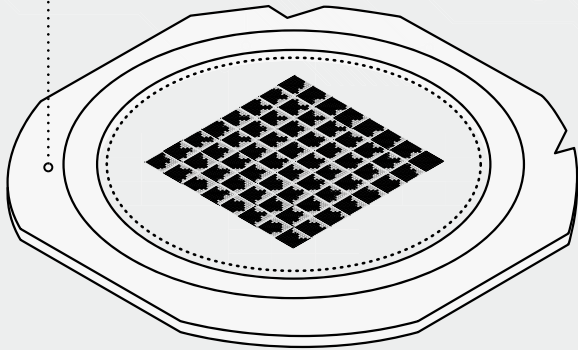
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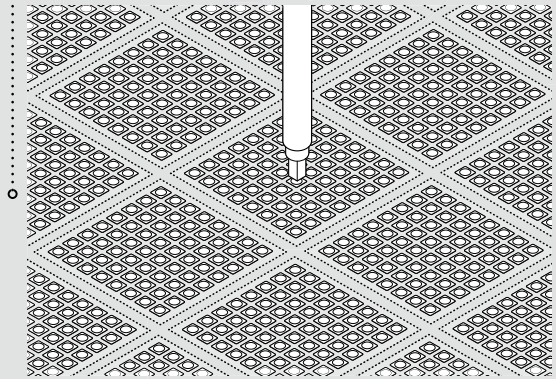
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## INSTALLATION GUIDELINE

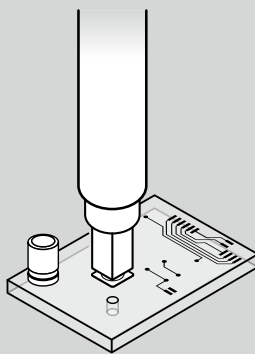
1. The Style 200 vent is provided digitally mapped in a wafer format



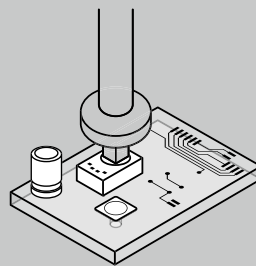
2. The nozzle picks up the Gore vent by vacuum



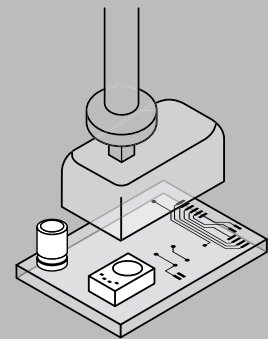
3. The nozzle places the Gore vent onto the PCB



4. The nozzle moves into position and attaches the MEMS die



5. The nozzle moves into position and attaches the housing



### Contact Us

For additional assistance, please contact a Gore representative.

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