



GORE® Portable Electronic Vents

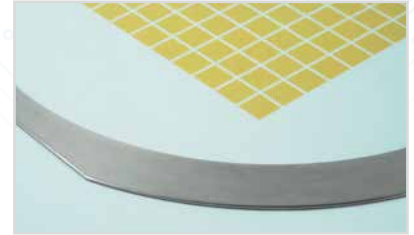
GORE® MEMS Protective Vent

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.



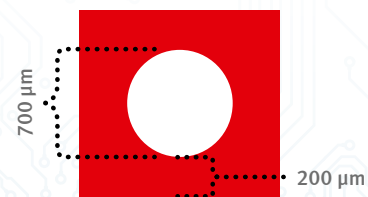
Product Performance Characteristics		Dimensions	
Part number	VP0002MPN	Vent	
Membrane Type	ePTFE	Outer/Inner Diameter	1.1 mm / 0.7 mm
Membrane Characteristic	Oleophobic	Typical Thickness	<0.075 mm
Membrane Color	White	Wafer Loop	
Min. Airflow	6 L/hr @ 12 mbar	Format	Standard 8 inch metal
Adhesive Temp 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

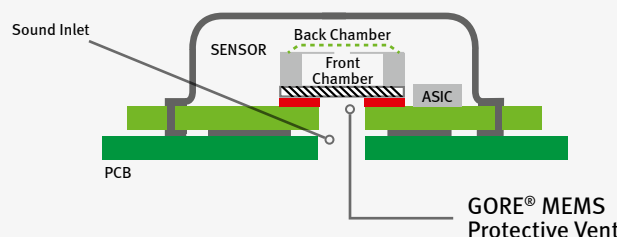


Approximate Dimensional Limitations



Placement of Vent

Bottom Port





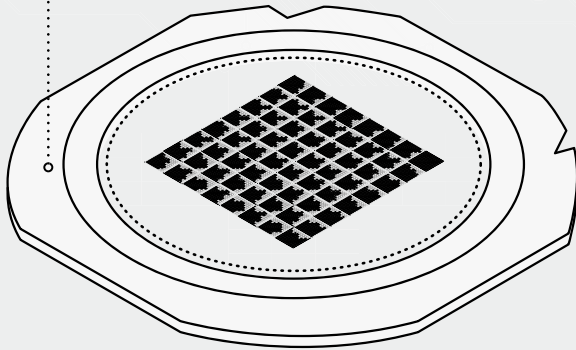
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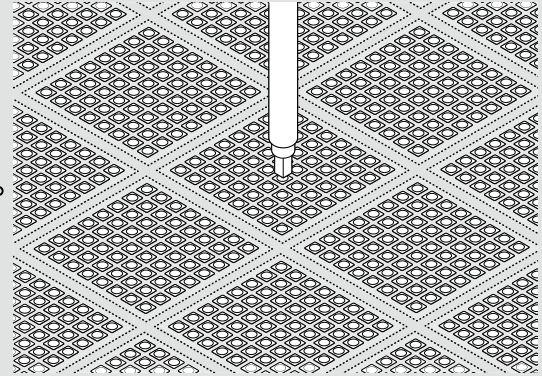
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INSTALLATION GUIDELINE

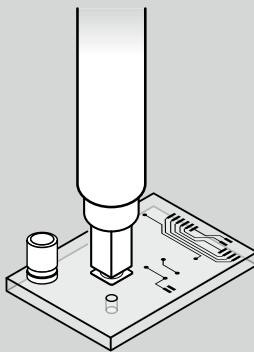
1. The Style 200 vent is provided digitally mapped in a wafer format



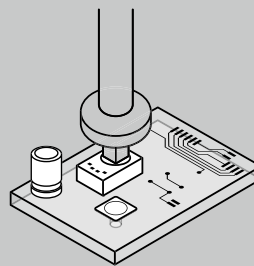
2. The nozzle picks up the Gore vent by vacuum



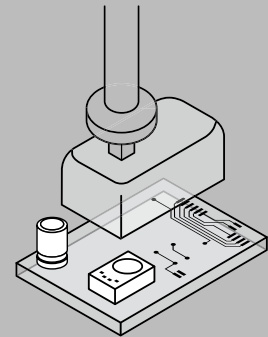
3. The nozzle places the Gore vent onto the PCB



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.

INTERNATIONAL CONTACTS

Australia	+61 2 9473 6800	Mexico	+52 81 8288 1281
Benelux	+49 89 4612 2211	Scandinavia	+46 31 706 7800
China	+86 21 5172 8299	Singapore	+65 6733 2882
France	+33 1 5695 6565	South America	+55 11 5502 7800
Germany	+49 89 4612 2211	Spain	+34 93 480 6900
India	+91 22 6768 7000	Taiwan	+886 2 2173 7799
Italy	+39 045 6209 240	United Kingdom	+44 1506 460123
Japan	+81 3 6746 2570	USA	+1 410 506 7812
Korea	+82 2 393 3411		

W. L. Gore & Associates, Inc

401 Airport Road • Elkton, MD 219221 • USA

Phone: +1 410 506 7812 (USA) • Toll free: +1 800 523 4673

Fax: +1 410 506 8749 • Email: portableelectronics@wlgore.com

gore.com/portableelectronics

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