

## Thermal Ring Introduction

Results from under-reported or over-reported chemical levels can create an unsafe condition. The Thermal Ring increases safety and reduces risk by allowing you to accurately correct for temperature changes on-the-spot, without additional equipment like alcohol and infrared thermometers.

Because detector tubes are calibrated at a specific temperature, increases or decreases from this temperature can impact the reading. The instructions that come with each pack of detector tubes advise if there is a need for temperature correction. (For a complete list of tubes, and indication of those needing temperature correction, consult Gastec's Detector Tube List or the Gastec Handbook, both available from Nextteq, LLC.) The instructions will provide either a table with correction factors or a table listing true concentrations based on the ambient temperature. For accurate results, ensure the tube has been at ambient temperature for 15 minutes before testing.



The Thermal Ring, which is affixed to all new Gastec GV-100 pumps, is perfectly calibrated to work with the Gastec Gas Sampling Pump and Detector Tube Systems. Please see other side for instructions on affixing the Thermal Ring and warning label to a GV-100 pump in the field.

### **NEXTEQ, LLC**

8406 Benjamin Rd. Suite J Tampa, FL 33634  
Tel: 813-249-5888 Toll Free Tel: 877-312-2333  
Fax: 813-249-0188 Toll Free Fax: 877-312-2444  
Email: [info@nextteq.com](mailto:info@nextteq.com) Web: [www.nextteq.com](http://www.nextteq.com)

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## Thermal Ring Instructions

The instructions below will enable you to affix the new thermal ring and warning label to an existing Gastec GV-100 pump.

### Thermal Ring

1. Determine location of the back plate of the GV-100 Gas Sampling Pump and find the raised area on the back plate.
2. Detach the thermal ring from its backing and beginning at corner of the raised area, affix the thermal ring around the back plate.



**Raised Area**

### Warning Label

1. Find the engraved lettering that says “50/100ml” and position the pump with the arrow facing you.



2. Detach the warning label from its backing and affix the warning label to the pump 3/8” from each side of the engraved lettering.

**CAUTION:** The detector tube temperature affects the reading, not ambient temperature. The thermal ring measures ambient temperature. For accurate results, ensure the tube has been at ambient temperature for 15 minutes before testing. Then use the temperature displayed on the thermal ring for temperature correction.