



MRI ENTERPRISES, LLC

THE MRI COMPANY

“A Service Disabled Veteran Owned Small Business”

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BREACH DETECTOR™ METHOD OF USE – OVERVIEW –

Breach Detector™ is a passive, in-situ leak detector for glove box and isolator gloves. The basic method for installing and using Breach Detector™ is as described below...

Step 1: Remove the plastic glove port liner from the glove port.

Step 2: Smooth out the glove to make the glove port free of folds and gathering.

Step 3: Install the Breach Detector™ into the glove port, making sure to position the gage as close to centered as possible.

Step 4: Check all around the glove port to confirm that the black face plate is pressed flush against the glove port.

Step 5: Grab the handle, lean into the Breach Detector™ to keep the detector in place and turn the handle ¼ turn clockwise until the handle locks into place.

Step 6: Confirm that there is a good seal by confirming that the gage needle shows a slight negative pressure (approximately 0.2 inches).

Step 7: Press the red pressure release valve to equalize the pressure inside the glove. The valve should be pressed until the needle on the gage stabilizes below 0.1 inches and then release (usually about 5 seconds).

A glove box glove can be considered “suspect breached” if the needle rises above 0.1 inches. Obviously, the amount of time before a breach is detected can vary from immediately to overnight depending on the size and nature of the breach and the amount of negative pressure inside the glove box.