

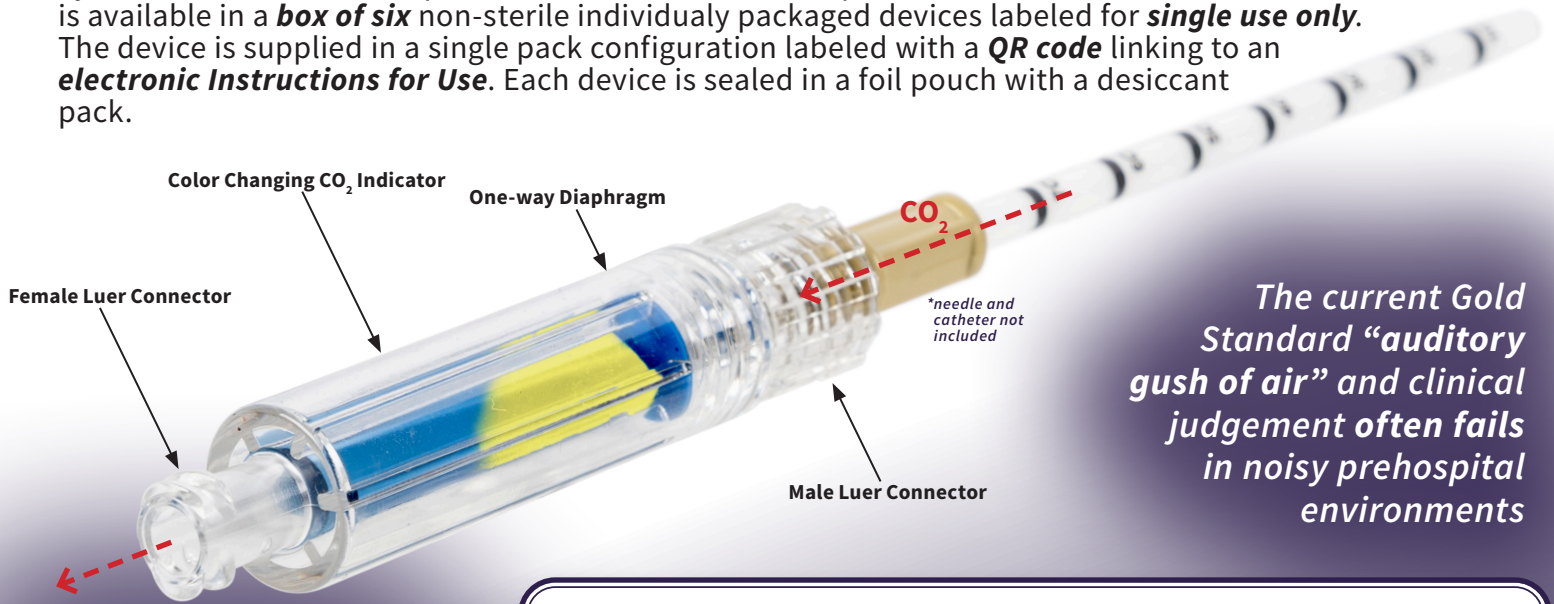
PNEUMERIC™ CAPNOSPOT™

A Novel Visual Detection Device for Needle Thoracostomy

The Pneumeric™ Capnospot™ **Pneumothorax Decompression Indicator** is a capnography device that provides **objective, real-time feedback** during decompressive thoracostomy. Specifically, the device detects the **presence of carbon dioxide** in the gas from the decompressed pneumothorax, permitting more accurate placement of the needle or thoracostomy device compared to the current standard of care based upon auditory assessments.

The product consists of a cylindrical polycarbonate tube containing a carbon dioxide detecting paper. The device has a **male luer connector on the distal end** of the device to connect to decompression needles and thoracostomy devices, **a diaphragm to prevent backflow** of gases, **a color changing indicator** and **a female luer on the proximal end** of the device that can be used to connect accessories.

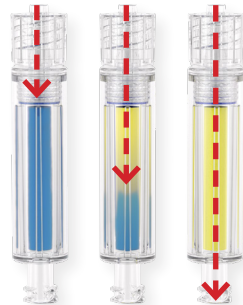
The Pneumeric™ Capnospot™ is **compatible with the 14-gauge and 10-gauge ARS®** (Air Release System) for Needle Decompression and **Enhanced ARS™** products from North American Rescue®. It is available in a **box of six** non-sterile individually packaged devices labeled for **single use only**. The device is supplied in a single pack configuration labeled with a **QR code** linking to an **electronic Instructions for Use**. Each device is sealed in a foil pouch with a desiccant pack.



The current Gold Standard “auditory gush of air” and clinical judgement often fails in noisy prehospital environments

Rapid, efficient, **visual detection** of needle placement will lead to less fatalities and become the **new Gold Standard of care**

VISUAL DETECTION DEVICE



- Provides **immediate visual feedback** that needle decompression was successful
- Binary “yes” or “no” **removes operator subjectivity**
- **Lightweight, portable, real-time** confirmatory color change
- Clinical data demonstrates **higher accuracy** than clinical judgement alone



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