

Improved Intra-Abdominal Access



The Airseal[®] System from **Surgiquest, Inc.** employs an invisible air barrier within the access port's 2 to 12 mm cannula housing that automatically self adjusts for constant and proper intra-abdominal pressure, using the company's Dynamic Pressure System (DPS 1000) unit. The system works like this:

- As the system delivers constant CO₂ flow, it creates a less-physiologic stressful abdominal environment for the patient, and provides the surgeon with unobstructed freedom to operate.
- Once the abdomen is properly insufflated, the DPS 1000 system filters and directs CO₂ into the cannula housing and tiny internal jets produce a pressure barrier greater than the pressure of the inflated abdomen.
- The pressure can be monitored in real time to balance, maintain and adjust to the desired setting.
- The “invisible” air seal separates the intra-abdominal gas from the ambient room air.
- The system requires no mechanical seals or gaskets within its access ports.
- It allows single or multiple laparoscopic instrument insertion into the abdomen and makes specimen removal easier and safer without lost insufflation.
- The system also has a built-in smoke evacuation system.

Improved Intra-Abdominal Access

Published on Surgical Products (<http://www.surgicalproductsmag.com>)

Source URL (retrieved on 01/31/2015 - 4:47am):

http://www.surgicalproductsmag.com/product-releases/2009/07/improved-intra-abdominal-access?qt-recent_content=0&qt-digital_editions=0