



# Safer Practice Notice

- Status**
- Active
  - Updated
  - Resolved

- Zone Application**
- Provincial
  - North
  - Edmonton
  - Central
  - Calgary
  - South

## CADD®- Solis VIP Ambulatory Pumps- Risk for air embolism reduced with air-eliminating filter

### Issue

Risk for air embolism exists when air bubbles cannot be removed from an intravenous infusion line. Users reported air bubbles in the line when using the CADD®- Solis VIP Ambulatory Infusion pump with Smiths Medical CADD in-line filter line; therefore alternate filters were identified for use. (Note: The air bubble issue was *not* observed with the CADD Solis PCA or PCEA pumps.)

**Reduce risk by using a Smiths Medical straight-set IV tubing and ADDING an ICU Medical air-eliminating filter with the CADD Solis VIP Ambulatory Pump.**

### Action

- **CPSM** will order adequate supplies of the *ICU Medical* air-eliminating filters for use with the *Smiths Medical* CADD straight-set tubing (products below).
- **Managers** will ensure that the *ICU Medical* air-eliminating filters for use with the *Smiths Medical* CADD straight-set tubing is coupled or stored together.
- **Educators** will ensure users are taught they must add an ICU Medical air-eliminating filter to a Smiths Medical straight-set tubing before priming and attaching to a patient.
- **Health Care Professionals will use one of two *Smiths Medical* straight-set tubing:**
  - CADD Low Volume Straight Administration Set [21-7322-24]
  - CADD High Volume Straight Administration Set [21-7357-24]

***AND attach one of two air-eliminating filters (depending on the infusate), prior to priming and attaching to the patient:***

  - ICU Medical 0.2 Micron Filter (B1371), or
  - ICU Medical 1.2 Micron Filter (B1450)

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### For Action By:

- Managers
- Clinical Educators
- Nurses
- Physicians
- EMS

### Contact:

Health Professions Strategy & Practice

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**ICU Medical 0.2 Micron Filter**



**ICU Medical 1.2 Micron Filter**

- **When priming** the air-eliminating filter, hold the filter upright to ensure the ribbed side of the filter completely saturates.
- **If the air-eliminating filter is not available**, Health Care Professionals will NOT infuse and should contact the prescribing program  
\*AHS continues to problem-solve with the vendor Smiths Medical.

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