• Agenda:
  – Introduction/Description
  – Indications For Use
  – Key Benefits
  – Setup
    • Dual Collection Chamber Setup
  – Safety Features
  – Troubleshooting
The PleuraFlow POD chest drainage unit is a disposable, 2400mL triple chamber chest drainage system that includes a water seal, a dry suction regulator and collection chambers.
The PleuraFlow POD is used for draining air, blood and other liquids from the chest.

The PleuraFlow POD is packaged sterile and it is for single patient use only.

The sterile package contains PVC tubing, length: 6ft (183cm) for connecting the second chamber (CHAMBER “B”) to another chest tube. Please note the 2nd tubing is NOT secured to the Pod.
• Evacuate air and/or fluids from the chest cavity and/or mediastinum.

• Help re-establish lung expansion and restore breathing dynamics.
1 WATER SEAL CHAMBER
2 SUCTION PORT
2a FUNNEL
3 VALVE
4 VACUUM INDICATOR
5 PATIENT TUBE
5a ANTI-KINK
6 SUCTION REGULATOR
7 HIGH NEGATIVITY RELIEF VALVE
8 FRONT FACE GROMMET
9 PORT “B” CONNECTOR
10 SAMPLING GROMMET
11 POSITIVE PRESSURE RELEASE VALVE
12 HIGH NEGATIVITY INDICATOR
13 CHAMBER “A”
14 CHAMBER “B”
PLEURAFLOW POD - KEY BENEFITS

– **Dual Collection Chamber Design**
  - Facilitates measuring drainage volumes independently from different anatomical spaces (ex. anterior mediastinum & pleural space) providing clinicians with more accurate clinical information.

  **Better clinical information = better clinical outcomes!!!**

– **Wide Windows For Accurate Measurement and Easily Visible Drainage Volume**
  - 1mL graduations up to 100mL
  - 5mL graduations up to 250mL
  - 10mL graduations upwards
PLEURAFLOW POD - KEY BENEFITS

- **Easy To Adjust Suction Control Knob**
  - Clicks into position at prescribed level.
  - Displays increments of 5cm H₂O from -40cm H₂O to -10cm H₂O.

- **High Negative Pressure Relief Valve and Indicator**
  - Designed to counteract negative pressures generated by the patient. Warning window draws attention to the incident and prompts clinical investigation.
• Setting Up for Single Thoracic catheter (CHAMBER “A”)
  - Open nonsterile outer pouch by peeling flap away from packaging. Present the sterile contents using standard sterile technique to scrub personnel.

1. Fill the WATER SEAL CHAMBER (1) through the SUCTION PORT (2) to the “fill to line” indication with sterile water or Saline (75 mL). Do not overfill. Once filled, water becomes tinted blue.
   * Please note: Small water droplets may be seen exiting the valve (3) during filling. This is to be expected.

2. Push to close the VALVE (3) all the way in. Once VALVE is pushed in, DO NOT REOPEN.
   * Please note: Please keep POD upright after filling / Do NOT lay flat once the water seal chamber has been filled.
PLEURAFLOW POD - SETUP

• Setting Up for Single Thoracic catheter (CHAMBER “A”)

3. Set the SUCTION REGULATOR (6) to the level of vacuum required (system is pre-set on -20cm H₂O).

4. Connect the pre-connected PATIENT TUBE (5) to the patient’s thoracic catheter. Make sure the connection is firm and tight and there is no possibility for air or fluid leakage.

5. Turn the suction source on and set the wall suction service unit to a vacuum range of 200 mmHg to 400 mmHg.
PLEURAFLOW POD - SETUP

• Setting Up for Single Thoracic catheter (CHAMBER “A”)

6. Connect the suction tube from the wall service unit to the SUCTION PORT (2).

7. Check that the VACUUM INDICATOR (4) rises up (“vacuum on”).
For Models Equipped With In-Line Patient Tube Connectors:

The locking in-line patient tube connector provides convenient replacement system and simple disconnection after use. If and when a second drainage tube is required, clamp the new patient tube (A), remove the red cap (B) from the In-Line Connector of Port B and connect it to the second drainage tube (C). The in-line connector must remain securely connected at all times during operation and patient connection. Do not separate in-line connector prior to clamping of patient tube clamp.

• Setting Up for Dual Thoracic Catheter (CHAMBER “A” and CHAMBER “B”)
• The Quick Setup Guide is provided with each PleuraFlow POD for convenience.
PLEURAFLOW – SAFETY FEATURES

• Safety Features

1. The POSITIVE PRESSURE RELIEF VALVE (11) eliminates the possibility of Tension Pneumothorax by a blocked suction source. The valve stays closed under suction but will open if a positive pressure is created.

2. The ANTI REFLUX VALVE & HIGH NEGATIVITY INDICATOR (12) performs two safety functions:
   a. Indicates when the patient develops abnormally high negativity.
   b. Prevents water loss from the WATER SEAL CHAMBER (1).

3. FILTERED HIGH NEGATIVITY RELIEF VALVE (7):
   • Press the button every time there is excessive negativity from the patient and every time the suction regulator is “adjusted” to a lower vacuum level.
• Troubleshooting

  • If there is persistent bubbling in the WATER SEAL CHAMBER (1):
    – Close the patient tube, if there is still persistent bubbling, the air leak comes from the system and NOT from the patient (pneumothorax), thus check all tubing connections, if it is still bubbling, change the system to a new one.

  • If there is no drainage:
    – Check to ensure the Pod is positioned low enough for gravity to function.
    – Check tubing for kinks or bends.
SUMMARY

• Clinicians agree that having separate drainage volume measurements is advantageous to facilitate more accurate monitoring of post-surgical patients.

• Clinicians also agree that having one drainage canister as opposed to two, is more convenient for taking measurements and much easier when ambulating the patient.
THANK YOU!

Questions & Discussion