

Matrix

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Single-Use Collection Canister Instruction Manual

1.0 Description

The 1200 cc Matrix Single Use Collection Canister contains an Aerostat Hi-Flow bacterial filter, positive shut off valve and a foam guard. The Aerostat filter effectively filters aerosolized microorganisms and particulate matter. The positive shut off valve closes immediately when fluid reaches the top of the canister. The soft gasket on the float seals tight, preventing fluid overflow. Premature shut off is prevented by the foam guard securely holding the float in place.

The ports of the self sealing lid are as follows:
(See Figure 1 Below)

- **VACUUM PORT**

The vacuum port is supplied with a right angle connector which will accept 1/4" ID vacuum tubing. The right angle connector reduces tubing kinking. If the elbow is removed, a 5/8" ID vacuum hose will be accepted by the vacuum port.

- **PATIENT PORT**

The patient port is supplied with a right angle connector which will accept 1/4" ID suction tubing. The right angle connector reduces tubing kinking. If the elbow is removed, a 5/8" ID suction tubing will be accepted by the patient port.

- **TANDEM PORT**

The tandem port is used for multiple canister connections. The tandem port will accept 1/2" ID tubing.

- **POUR SPOUT**

The pour spout allows for ease of emptying and provides access for specimen collection if necessary

The collection canister is ready for operation upon connection to a vacuum source. The collection canister is used in conjunction with a vacuum regulator which controls the amount of vacuum desired. After the canister is connected to a vacuum source, various fluids can be collected until the canister is filled.

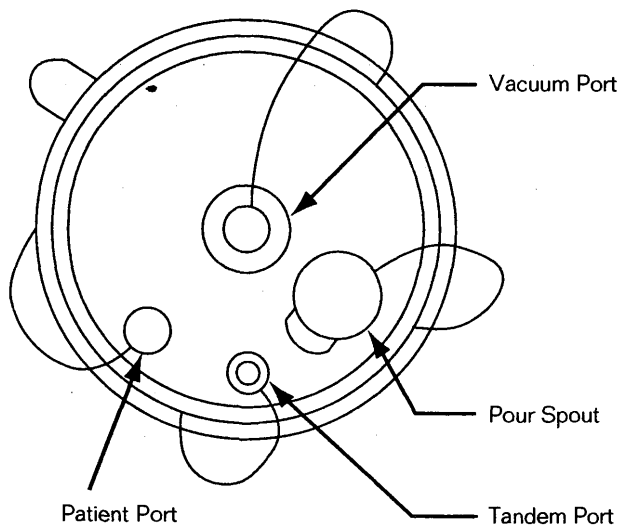


Figure 1 : Port Locations

2.0 Canister Mounting Configuration

(See Figure 2 Below)

1. **MOUNT THE WALL PLATE TO THE WALL AS FOLLOWS:**

- A. Locate wall studs.
- B. Mark the hole pattern of the wall plate on the wall in the location the canister is to be mounted.
- C. Using a 3/16 inch drill bit, drill four holes in the hole patterns.
- D. Insert the plastic wall anchors into each hole.
- E. Using the #8 screws provided, attach the wall plate to the wall.

2. **SLIDE THE RING INTO THE WALL PLATE.**

3. **PLACE THE CANISTER INSIDE THE RING.**

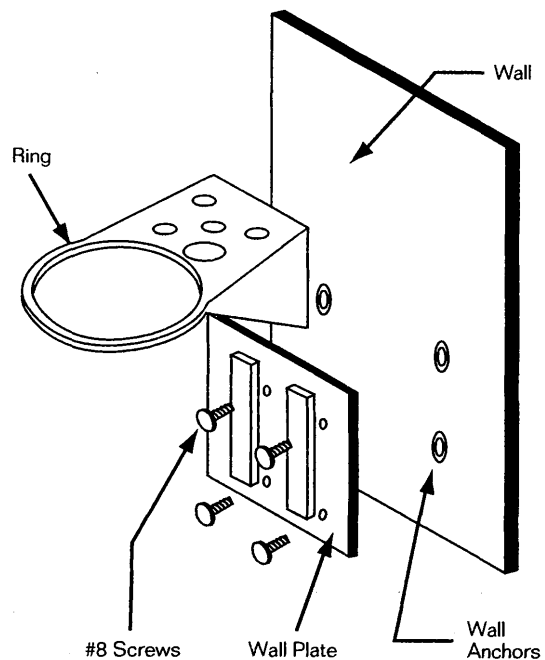


Figure 2: Mounting Configuration

3.0 Vacuum Source Connection

(See Figure 3 On Next Page)

Connect the vacuum port of the collection canister to a free flow vacuum regulator using 1/4" ID vacuum tubing.

4.0 Pre-Use Test

(See Figure 3 Below)

1. Pinch the vacuum tubing and set the free flow vacuum regulator to 120mmHg (16 Kpa).
2. Use your finger to occlude the patient port.
3. Release the vacuum tubing.
4. The needle of the vacuum regulator should return to 120 mmHg in approximately 10 seconds. If it does not, reconnect fittings and retest.

WARNING: Always connect the canister to the vacuum source and check its operation before attaching the suction tubing connection.

NOTE: Ensure the collection canister is in a vertical position and that the lid is properly secured to the canister.

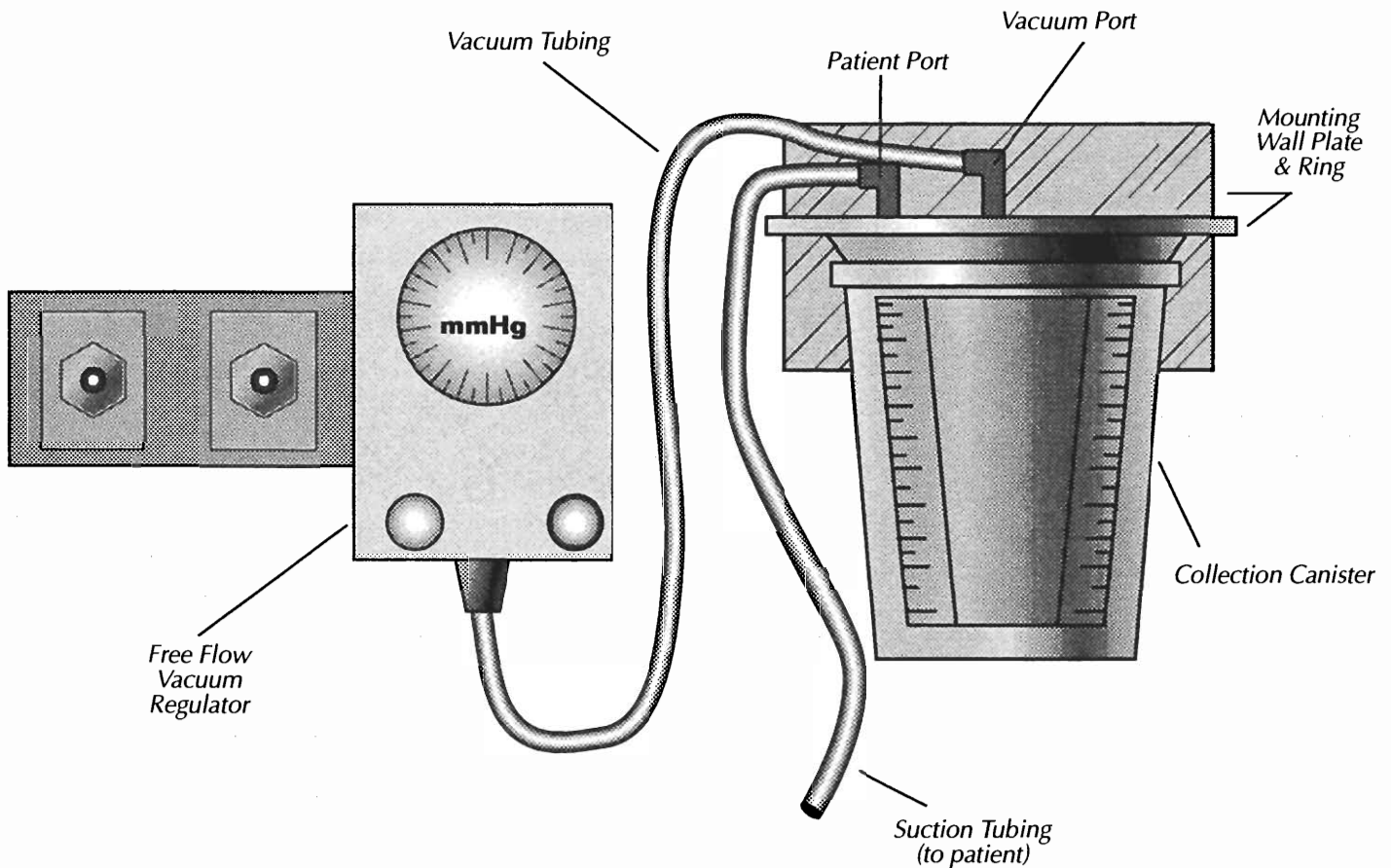
5.0 Vacuum Setting

(See Figure 3 Below)

1. Make sure the Pre-Use Test procedure has been performed.
2. Connect the suction tubing to the patient port of the collection canister.
3. Pinch the suction tubing.
4. Adjust the free flow vacuum regulator to the desired setting.
5. Release the suction tubing to begin suctioning.

WARNING: Do not use this device with flammable anesthetics. Static charges may not dissipate and a potential hazard exists in the presence of these agents.

Figure 3: Parts Descriptions



6.0 Disposal

NOTE: The collection canister is designed for SINGLE PATIENT USE ONLY.

1. Remove the vacuum tubing from the canister.
2. Remove the suction tubing from the canister.
3. Cap the vacuum port, suction port, tandem port and pour spout.
4. Remove the collection canister from the ring.
5. Dispose of the collection canister and contents in an appropriate manner.

7.0 Disinfection of Tubing

1. Wash the vacuum tubing in a warm water and soap solution. Rinse thoroughly with warm water and rinse.
2. The vacuum tubing may be cold disinfected using a germicidal agent (Cidex), sodium hyperchlorite (Clorox) diluted to your organizations specifications or denatured alcohol.

NOTE: After disinfecting, reassemble and perform the Pre-Use Test procedure.

NOTE: The operator may decide to discard the collection system including the vacuum tubing if a communicable disease is suspected. All of these items can be replaced economically.

8.0 Parts List

Package of Five Disposable Collection Canisters _____	9112 0152
Q.C. Free Flow Regulator _____	7700 0690
6 ft. of 1/4" Conductive Tubing _____	7700 0192
Mounting Kit _____	7700 0689



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