

## HIGH DESERT HEALTH SYSTEM AMBULATORY SURGICAL CENTER

<b>SUBJECT:</b> VI-116 AIR DERMATOME, ZIMMER	<b>POLICY #:</b> 1151
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<b>DATE APPROVED:</b> 06/28/2016	

**PURPOSE:** To provide guidelines for the proper use and care of Zimmer Air Dermatome

**POLICY:** The Zimmer Air Dermatome will be used according to the following procedure.

**PROCEDURE:**

- A. Two stainless steel machine screws secure plates to the underside of the instrument. The plates are easily fastened and removed with the screwdriver provided in the case.
- B. Choose proper width of plate to satisfy cutting requirements. Four width plates are supplied: 1", 2", 3" and 4".
- C. The throttle must be in the Safe position before changing blades or hoses, or when instrument is not in use. To place dermatome in the Safe position, slide safety lock on the throttle toward the blade end of instrument to the Safe position. Only the word Safe should be visible.
- D. Prior to use, always inspect the hose for signs of weakness or damage. Do not use worn or damaged hose; replace immediately.
- E. To connect hand piece to the hose, the scrub nurse/technician will grasp both the swivel on end of hand piece, and the hose, firmly. Push together and twist hose to the right so that pins are in the indentations.
- F. The automatic shut-off valve in the end of the hose permits removal of the hose under pressure. After use, the hose should be removed from the regulator. Take measures to prevent dirt or debris from entering the end of hand piece when hand piece and hose are separated.
- G. Blade placement as follows:
  1. Use only Zimmer Dermatome Blades (Cat# 8800-000-10)

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2. Use new sterile blade for each procedure
3. Use caution when inserting blade to avoid nicking it, which may result in an uneven cut

### H. To install blade:

1. Place throttle in Safe position
2. Using screwdriver provided, loosen width plate screws approximately two turns
3. **Do not** remove screws from hand piece
4. Remove width plate and used blade
5. Place new blade in slot on hand piece
6. Mate drive pin with hole in the blade (Note: Insert with "this side up" message)
7. Place width plate over blade and tighten screws. **Do not** over tighten
8. WARNINGS:
  - a. Use extreme caution when handling the dermatome with blade installed
  - b. To avoid blade damage, place dermatome blade side up when not in use
  - c. Control lever adjustment determines graft thickness, factory calibrations indicate .002 inches. Set control knob pointer to desired thickness. **This must be performed by the surgeon.**
  - d. To activate dermatome, lift throttle lever and slide safety lock back from safe position toward hose coupling. The word **FULL** should be visible. For optimum results, it is recommended that the dermatome operate at full speed. **Do not** run the dermatome above 100PSI

### I. Cleaning and care

1. Do not lubricate the Zimmer Air Dermatome
2. **Never** immerse an air instrument in any solution
3. Do not process the dermatome handpiece or accessories in a washer/sterilizer or ultrasonic cleaner.
4. Never immerse the dermatome in liquid chemical disinfectants
5. Never operate the Zimmer Air Dermatome above 100PSI
6. Ensure that hose is securely fastened to instrument so that hose will not fall against hard surface and become damaged

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7. Steam sterilize Zimmer Air Dermatome and accessories
8. Always inspect the handpiece carefully for possible scratches or nicks caused by extended or mishandling
9. Flash sterilization is not recommended

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