

# Pulmonary Technology Dependence Program

## Ventec V\*Home Ventilator Supply Sheet

### & Circuit Change Procedure



Children's  
of Alabama®

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**Ventec V\*Home Ventilator**



**External Bacterial Filter**



**Fisher & Paykel 850A61  
Circuit**



**Whisper Swivel  
Exhalation Valve**



**15/22mm Two-Step Adapter**



**Swivel Adapter  
w/Suction Port**



**Airlife Type II HME**



**Filtered HME(Gibeck Pedi)**



**Gibeck Mini HME**



**Omni-Flex**



**Inline MDI Adapter**



**NeoTech VersaGrip Velcro**

(Reminder: all supply components may not always resemble what is pictured above. Providers may have to order from varying suppliers depending on product availability. You may or may not be required to use every component shown above for your child.)

# Ventec V\* Home Circuit Change Procedure

(Pre-use test must be performed once circuit change has been completed IF any new components are added to circuit or circuit varies from usual circuit)

## Transportation Setup Procedure:

- 1) Wash your hands or use hand sanitizer to clean your hands
- 2) Turn heater off
- 3) Remove heater wire (pigtail) from circuit & temperature probe (blue connector) from heater
- 4) Loosen short circuit from filter & long circuit from water chamber then swap.
- 5) Place HME/HMEF inline now if leaving home

## Circuit Change Procedure:

- 1) Wash your hands or use hand sanitizer to clean your hands
- 2) Make sure **2nd caregiver is at bedside and ready to assist with bagging**
- 3) Turn heater off, remove heater wire (pigtail) from circuit & temperature probe (blue connector) from heater
- 4) Loosen short circuit from filter & loosen long circuit from water chamber and swap (long end is now on filter by vent)
- 5) Remove water bag from water chamber line and set aside where it will not leak (remember, water bag is not disposable)
- 6) Remove water chamber and entire circuit from heater and discard
- 7) Open new circuit bag and place new water chamber on heater
- 8) Combine new filter and new short circuit, then add to new water chamber
- 9) Add new long circuit to water chamber
- 10) Add whisper swivel to straight end of long circuit (components from steps 11-13 can be combined)
- 11) Add two-step adapter to whisper swivel
- 12) Add suction port to two-step adapter (Omni-Flex and inline HME/HMEF will fit between these two when used)
- 13) Add Velcro clip to long circuit and secure to patient
- 14) Grab Ambu-bag, turn on oxygen (if patient requires O2) and hand to 2nd caregiver OR place patient on HME, & silence alarms
- 15) **Remove suction port from tracheostomy tube and place Ambu-bag on hub (2nd caregiver)**
- 16) **Start bagging patient and continue until circuit has been changed and pre-use test completed (2nd caregiver)**
- 17) Once patient is removed from vent, 1st caregiver can now swap ventilator to profile 3 (standby = High Flow Therapy)
- 18) Remove heater wire (pigtail) & temperature probes (blue probes) from old ventilator circuit
- 19) Clean temperature probes and heater wire (allow 2 minutes for alcohol to dry completely)
- 20) Remove old filter & circuit from vent (1st caregiver)
- 21) Place temperature probes and heater wire back into their appropriate locations on the new circuit
- 22) Attach new filter & short circuit to V\* Home ventilator
- 23) Attach new long circuit to water chamber, remove assembled components from end (whisper swivel, two-step, suction port)
- 24) Begin Pre-use test and follow on-screen steps until completed (this step takes less than 1 minute)
- 25) Once pre-use is completed, reassemble components onto long circuit, & reactivate profile 1 on ventilator
- 26) Attach completed long circuit to patient tracheostomy tube (**2nd caregiver stops bagging and removes Ambu-bag simultaneously**)
- 27) Assess patient, circuit connections, and V\* Home display screen for proper connection and baseline values
- 28) Add water bag to water chamber and turn heater on, assess heater for temperature readout and no alarms

\*\*\*You must perform a pre-use test before placing your patient back onto the vent whenever a NEW/different circuit has been added, not one you have been receiving. Remember to ALWAYS place an HME/HMEF inline when patient will be without a heater for extended periods. Always check HME/HMEF for moisture every 30 minutes when in use, and add 2-3 drops of saline directly to trach tube if HME/HMEF is dry.\*\*\*