



## ONEFLOW SPIROMETER – HYGIENE INSTRUCTIONS ISSUE 2 – MARCH 1, 2005

### Cleaning & Disinfection Instructions

It is recommended that hospitals and clinics provide one of the following for each new patient using the device:

- a) Disposable One-Way cardboard mouthpieces (3122064)
- b) Disposable cardboard mouthpieces (3122200)
- c) Disposable bacterial filters (low resistance, Spirometry type, 5551000 – All◇FLOW)

Discard or Reprocess mouthpieces as appropriate, between patients.

- a) Disposable One-Way cardboard mouthpieces

Disposable mouthpieces are available that only allow the patient to exhale through the Spirometer; discarded after use, they prevent the patient from inhaling potentially contaminated air through any Spirometer. These are available in different pack sizes as part number 3122060.

- b) Disposable cardboard mouthpieces

Disposable mouthpieces do not prevent the patient from inhaling through a peak flow meter or Spirometer unless the design of the device includes a one-way valve (e.g. Mini-Wright). They are discarded after use.

- c) Disposable bacterial filters (low resistance, Spirometry type, All◇FLOW)

Low-resistance bacterial filters provide a barrier against microorganisms passing into the Spirometer, and should be discarded after use. (5551000 – All◇FLOW).

### Reprocessing the Spirometer

Clement Clarke **does not recommend autoclaving** the One Flow device or the flow tube as the process destroys the accuracy and distorts the plastics. Under no circumstances must the unit be immersed in water or other cleaning liquid.

For the Spirometer flow tube, the following frequency of cleaning and disinfection is advised depending upon the type of primary protection provided by the mouthpiece/filter: -

<b>Mouthpiece Type</b>	Disposable One-Way cardboard mouthpieces	Disposable bacterial filters	Disposable cardboard mouthpieces
<b>Frequency</b>	<b>WEEKLY</b>	<b>WEEKLY</b>	<b>Between Patients</b>



- A.** Remove the flow tube from the main unit by pulling it out from the input end.
- B.** Inspect the unit for signs of damage or wear, if any is evident replace.
- C.** Prepare a solution of Cetylite<sup>®</sup> Power Cleaner or Cetylcide II<sup>1</sup> in accordance with the manufacturer instructions, in a container (or a C-Tub), large enough for the Flow Tube(s) to be totally submerged.
- D.** Follow the manufacturer instructions to ensure proper cleaning and agitate the Flow tube while in the solution to ensure any trapped air is expelled. Do not use any mechanical aids such as brushes or cloths. Rinse and dry as recommended.
- E.** Pour a quantity of CIDEX OPA<sup>®2</sup>. Follow manufacturer's instructions. Place into suitable container and immerse the Flow Tube, again agitate the Flow tube to ensure air is expelled and leave it in the solution for 5-10 minutes. Rinse as stated, shake gently to remove any excess water and allow to dry naturally.

Note 1: Cetylite<sup>®</sup> Power Cleaner or Cetylcide II are manufactured by Cetylite Industries, USA. Please refer to the manufacturer's instructions for information concerning use, dilution, rinsing, disposal etc.

Note 2: CIDEX OPA<sup>®</sup> is manufactured by Johnson & Johnson. Please refer to the manufacturer's instructions for information concerning use, dilution, rinsing, disposal etc.

Note 3: The above procedure has been validated by an independent laboratory.