



## NEWS from Trudell Medical International\*

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## AeroChamber Plus Flow-Vu

Anti-Static Valved Holding Chamber  
Chambre de Retenue Valvée Antistatique



### Importance of the Transition from Mask to Mouthpiece

Only 9% of patients use their inhaler correctly.<sup>1</sup> Incorrect technique results in poor disease control. Using an *AeroChamber*<sup>®</sup> VHC with a pressurized Metered Dose Inhaler (pMDI) helps ensure medication is delivered to the lungs.

International guidelines recommend that patients be transitioned from a valved holding chamber with mask to a valved holding chamber with mouthpiece as soon as possible. This usually occurs at around 5 years of age when patients are able to form a tight seal around the mouthpiece. Inhaling with a mouthpiece leads to improved lung deposition since the nose can actively filter out medication.<sup>2</sup> Moving from the medium mask to a mouthpiece device may also empower youth to take greater control of their asthma and encourage independence and compliance to their treatment program. Mask chambers are still an important part of effective aerosol drug delivery in young children and elderly or compromised patients who are not able to form a seal around the mouthpiece. A pMDI alone is rarely suitable for these patients. The anatomically designed *ComfortSeal*<sup>®</sup> Mask helps offset poor coordination skills with a secure, comfortable fit, while minimizing dead space – both considered to be critical factors for optimal delivery of aerosol medication.<sup>3</sup>

The *AeroChamber Plus*<sup>®</sup> *Flow-Vu*<sup>®</sup> Chambers have been designed to be easier for your patients to use, with simplified instructions, colourful chamber artwork and a smaller size with a more prominent *Flow-Vu*<sup>®</sup> Indicator to help confirm proper technique – all of which may help improve compliance and outcomes.

For more information about our chambers, or to download short animated videos for patient counselling, please visit our website at [www.trudellmed.com](http://www.trudellmed.com)

1 Plaza V, Sanchis J, CESEA Group. Medical Personnel and Patient Skill in the Use of Metered Dose Inhalers: A Multicentric Study. *Respiration* 1998; 65:195-198. 2 Amirav I, Newhouse MT. Review of Optimal Characteristics of Face-Masks for Valved-Holding Chambers (VHCs). *Pediatr Pulmonol.* 2008;43:268-274. 3 Morton RW and Mitchell JP. 2007. Design of Facemasks for Delivery of Aerosol-Based Medication via Pressurized Metered Dose Inhaler with Valved Holding Chamber: Key Issues that Affect Performance. *Journal of Aerosol Medicine.* 20(1):29-45.

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