

InspiraChamber® System From Salter

One system for all your patients

NEW





Collaborative Innovation

Today, Salter Labs is building a bold new future focusing on superior patient care, reliable outcomes, and innovative new products for neo-natal, respiratory, and anesthesia.

We're expanding our range of products, designed with the patient in mind, coupled with the clinician's insight regarding real-world experience:

- High performance products for the OR and intensive care
- Fast and effective products for the floor and ED
- Comfortable products for patients to count on at home

We're collaborating with you to innovate a new generation of products that make a difference and add value.

We're putting the patient first, just like you do.

InspiraChamber®

The valved holding chamber that's engineered for drug delivery

Small oval shape for easy grasp by children and adults to help maximize comfort and compliance

Anti-static and BPA-free chamber increases aerosol delivery to the lungs with optimal ($<3 \mu\text{m}$) particle size¹



InspirAlert™ audible flow velocity signal helps ensure proper breathing technique ($\sim 30 \text{ L/min}$)²

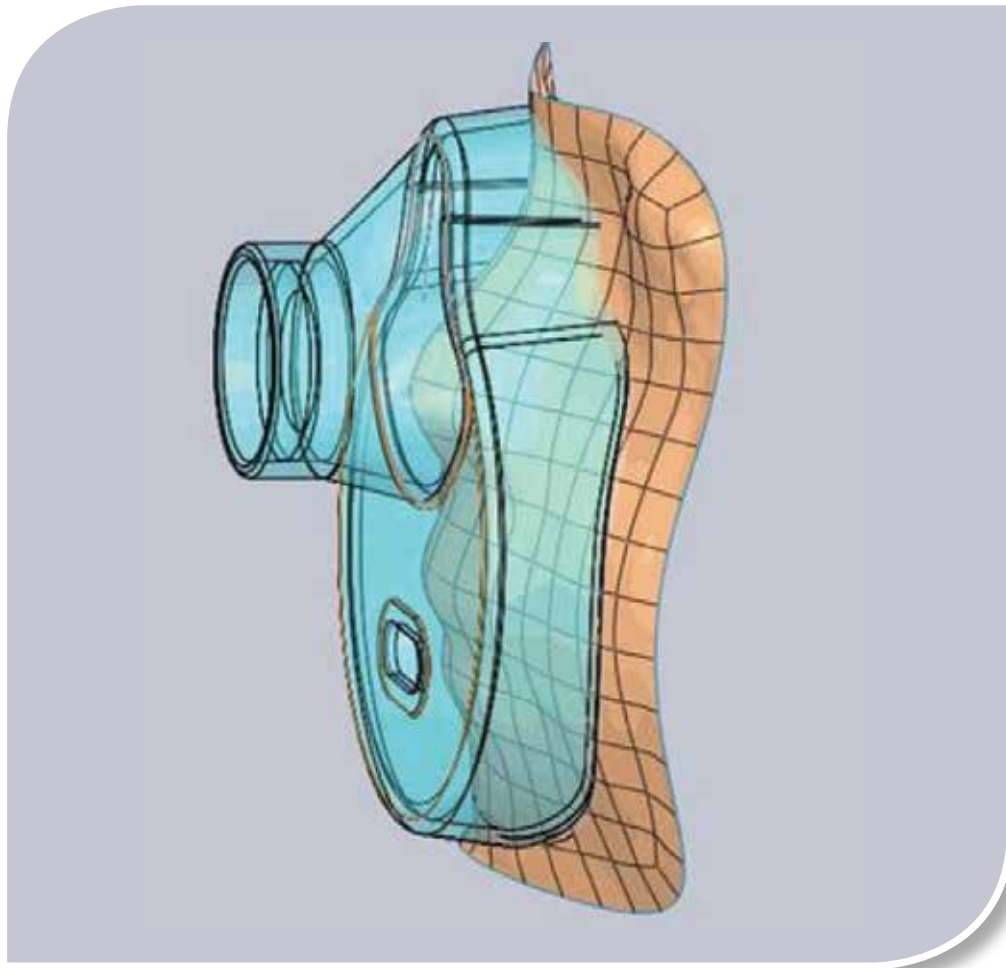
Low-resistance valve to improve drug delivery for patients with lower flow rates

Stepped mouthpiece design provides simple treatments for adults and older children when a mask is not required

InspiraMask™ and SootherMask™

The mask technology that's crafted for a better patient experience

The unique mask design gently follows facial contours of small children for a natural face-to-mask seal³



Completely re-imagined aerosol mask^{3,4}:

- Based on laser facial mapping of 271 children and 3D modeling
- Minimal dead space
- Precise fit without excess pressure on the child's face

The soothing comfort of a child's own pacifier

Unique SootherMask design accepts a child's own pacifier, allowing sleeping infants to receive aerosol treatment³



SootherMask™ with pacifier



InspiraMask™



InspiraChamber[®] + SootherMask[™] or InspiraMask[™]

Proven drug deposition

Scintigraphic scans of infants using the SootherMask demonstrate drug reaching targets in the lungs⁵



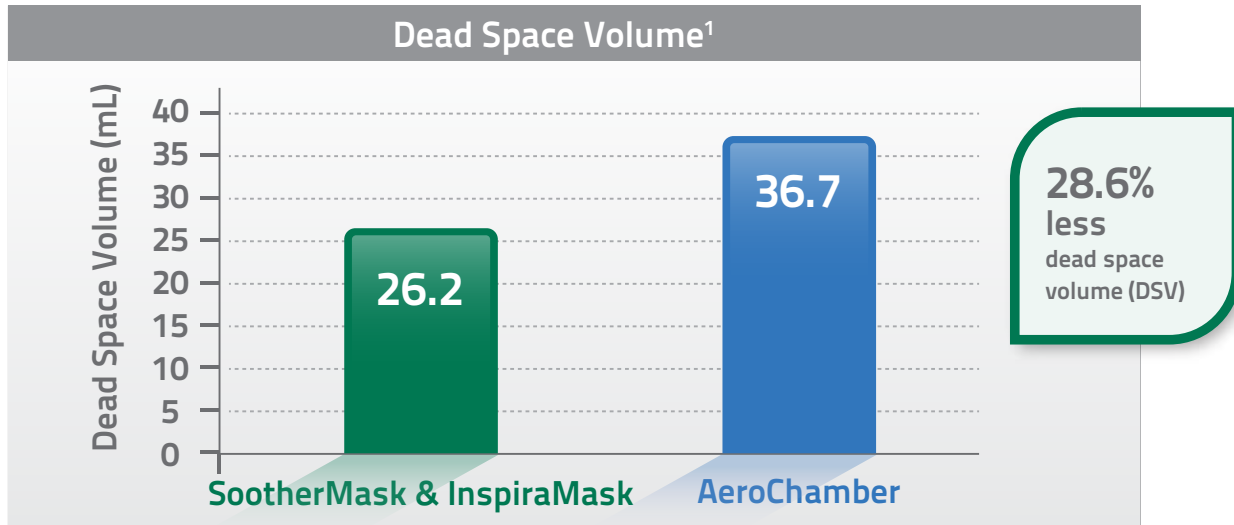
- All infants received therapy without awakening⁵
- Equivalent drug deposition compared to oral deliveries⁶

| Average aerosol deposition (% of emitted dose) with SootherMask ⁵ | |
|--|--------------|
| Right lung (yellow) | 1.61 ± 0.56 |
| Both lungs | 4.17 ± 1.27 |
| Stomach (green) | 1.42 ± 0.97 |
| Upper airway (blue) | 16.75 ± 7.81 |

InspiraChamber® + SootherMask™ or InspiraMask™

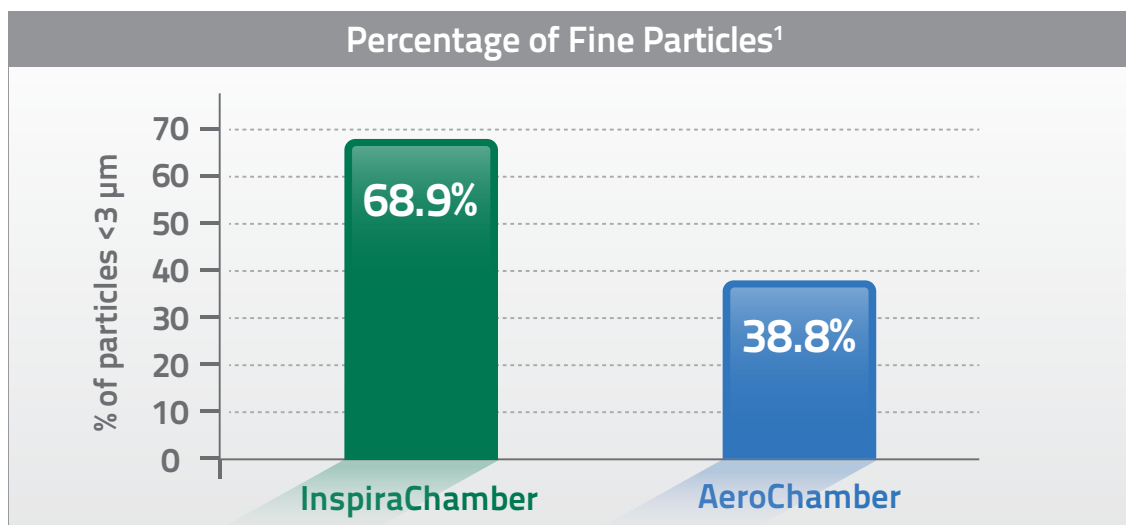
Engineered for drug delivery

A mask with low dead space maximizes the ability of aerosol to reach the patient airway^{1,4,7}



- SootherMask and InspiraMask have a smaller dead space volume (DSV) than AeroChamber, Vortex, and OptiChamber⁷
- A small DSV is considerably important in dosing and delivery, particularly in infants and small children with low tidal volumes⁷

Superior proportion of particles in the $<3\ \mu\text{m}$ range compared to AeroChamber¹



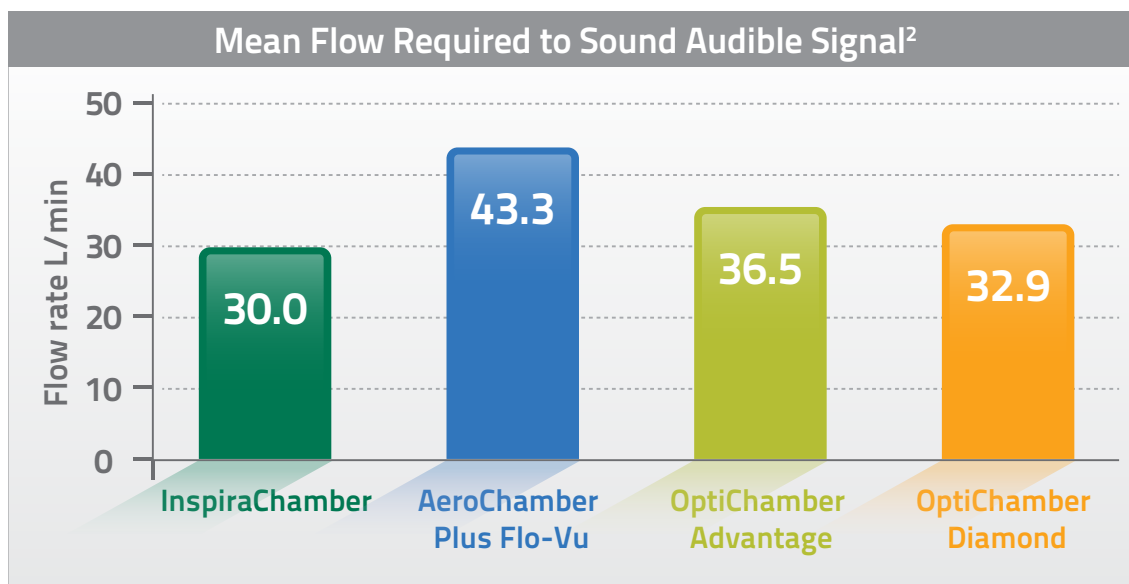
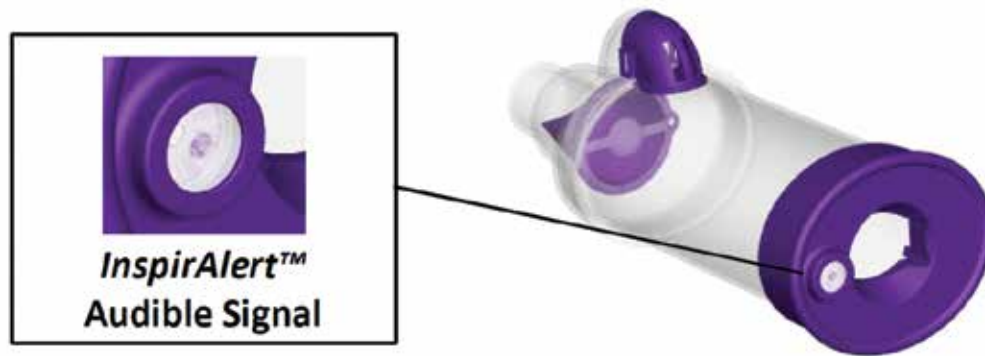
- InspiraChamber with mask provides a greater proportion of $<3\ \mu\text{m}$ particles targeted to the lower respiratory tract¹

InspiraChamber® + SootherMask™ or InspiraMask™

Designed to give better feedback to patients and clinicians

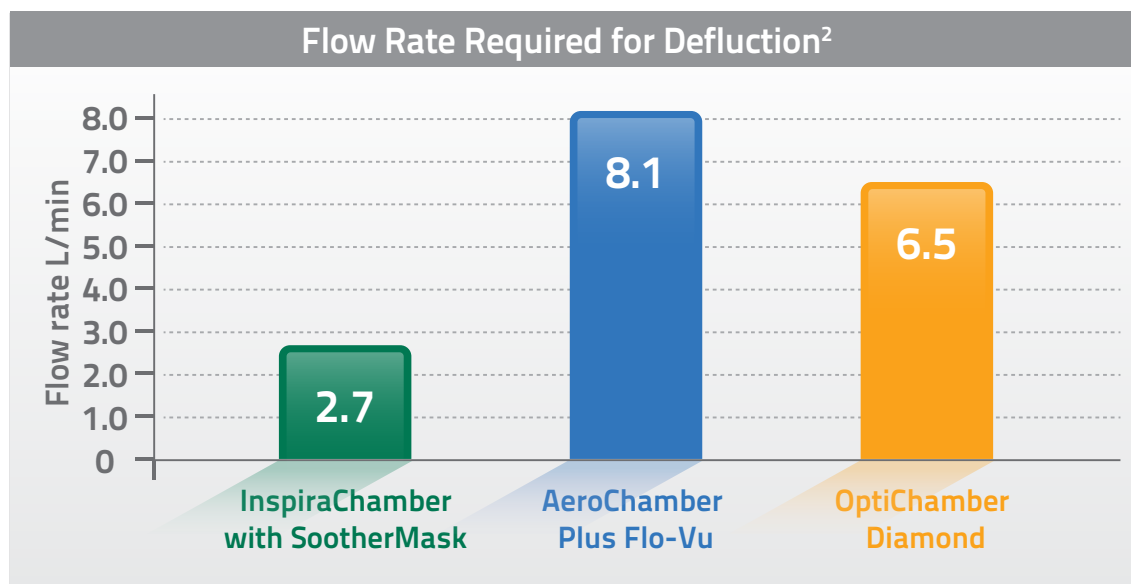
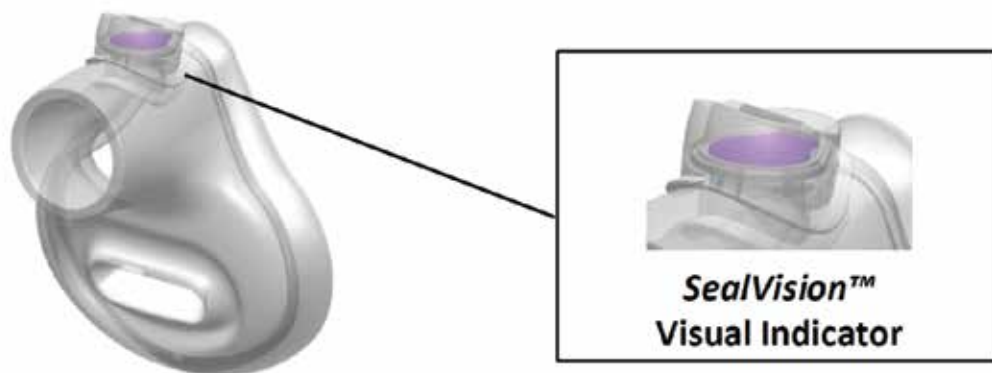
Features that provide feedback on optimal technique to improve therapy effectiveness:

InspirAlert™ is a whistle that indicates excessively rapid inhalation



- The InspirAlert whistle provides more accurate feedback of correct inhalation speed than other chambers²

SealVision™ is a colored flap on both SootherMask and InspiraMask



- The SealVision indicator confirms a face-to-mask seal and activates at lower flow rates than other signal devices²

Salter is now your source for the valved holding chamber system that all your patients can use

InspiraChamber® + SootherMask™ + InspiraMask™

**Striving
to be
#1 IN PATIENT
SATISFACTION**

**For information or product support
1-800-421-0024 ■ customercare@salterlabs.com**

| PART NO. | UNITS | DESCRIPTION |
|-------------|--------------|--|
| IC-VHC-0-50 | 50/case | InspiraChamber® Antistatic Valved Holding Chamber |
| IC-SMS-0-10 | 10 each/case | InspiraChamber® Antistatic Valved Holding Chamber with Small SootherMask™ and Small InspiraMask™ |
| IC-SMM-0-10 | 10 each/case | InspiraChamber® Antistatic Valved Holding Chamber with Medium SootherMask™ and Medium InspiraMask™ |
| IC-IMS-0-10 | 10 each/case | InspiraChamber® Antistatic Valved Holding Chamber with Small InspiraMask™ |
| IC-IMM-0-10 | 10 each/case | InspiraChamber® Antistatic Valved Holding Chamber with Medium InspiraMask™ |



References: 1. Newhouse M, Amirav I, Halamish A, et al. Prototype InspiraChamber™ and SootherMask™: a unique system with optimized particle size and minimal dead space. American Thoracic Society, 2012. San Francisco, CA. 2. Newhouse M, Amirav I, Halamish A, et al. InspirAlert™ and SealVision™: simple and unique optimized biofeedback in an improved MDI aerosol delivery system. ISAM, 2013. Chapel Hill, NC. P-061:A41-A42. 3. Amirav I, Luder AS, Halamish A, et al. Design of aerosol face masks for children using computerized 3D face analysis. *J Aero Med Pulmonol Drug Deliv.* 2014;27(4):272-278. 4. Newhouse M, Luder A, Chalamish A, Raviv D, Kimmel R, Amirav I. Evidence based design of face masks for children using computerized 3D face analysis. American Thoracic Society, 2012. San Francisco, CA. 5. Amirav I, Newhouse MT, Luder A, Halamish A, Omar H, Gorenberg M. Feasibility of aerosol drug delivery to sleeping infants: a prospective observational study. *BMJ Open.* 2014;4(3):e004124. doi: 10.1136/bmjopen-2013-004124. 6. Amirav I, Borojeni AAT, Halamish A, Newhouse MT, Golshahi L. Nasal versus oral aerosol delivery to the 'lungs' in infants and toddlers. *Pediatr Pulmonol.* 2014. doi: 10.1002/ppul.22999. 7. Amirav I, Diechman M, Halamish A, Luder A, Marzuk C, Newhouse M. Computerized dead space volume measurement of facemasks applied to digitally simulated faces. American Thoracic Society, 2014. San Diego, CA.

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