# Which EtCO<sub>2</sub> mask is right for my patient?

|                              |  | connector  | connector  | by Stryker   |
|------------------------------|--|--|--|--------------|
| Authentic<br>Microstream™    | Microstream <sup>™</sup> technology endorsed <sup>†</sup>  | 1  | 1  |              |
| ldeal use case               | Patients with higher O <sub>2</sub> needs  |  | 1  | 1            |
|                              | Procedural sedation  | <ul> <li>Image: A second s</li></ul> | 1  | <i>√</i>     |
|                              | Bronchoscopy   | 1  | <b>√</b>   | $\checkmark$ |
|                              | Upper endoscopy  | 1  | 1  | $\checkmark$ |
|                              | ER   | <ul> <li>Image: A second s</li></ul> |  |              |
|                              | Medical surgical suite   | <ul> <li>Image: A second s</li></ul> |  |              |
|                              | Patient recovery   | <ul> <li>Image: A second s</li></ul> |  |              |
| Oxygen<br>titration          | 1 to 15+ LPM   | 1  |  |              |
|                              | <b>5 to 15+</b> LPM <sup>1,‡</sup>   |  | <b>√</b>   | $\checkmark$ |
| FiO <sub>2</sub><br>delivery | Up to <b>83%</b> FiO <sub>2</sub> at 15 LPM <sup>2</sup>   | 1  |  |              |
|                              | Up to <b>90%</b> FiO <sub>2</sub> at 15 LPM <sup>3-5</sup>   |  |  | <i></i>      |
|                              | Up to <b>95%</b> FiO <sub>2</sub> at 15 LPM <sup>6</sup>   |  | $\checkmark$   |              |
| EtCO <sub>2</sub><br>capture | New triangular mushroom diffuser and<br>improved diffuser cup, connected to<br><b>validated</b> Microstream <sup>™</sup> capnography port<br>and O <sub>2</sub> port, designed to improve EtCO <sub>2</sub><br>capture and prevent waveform washout <sup>7.9</sup> | 1  | <i>✓</i>   |              |
|                              | Universal capnography ( <b>not validated</b> by<br>Microstream <sup>™</sup> capnography) CO <sub>2</sub> Luerlock <sup>™*</sup><br>Sample Port, separate from O <sub>2</sub> port  |  |  | 1            |
| Access                       | Star-shaped (6-flap) oral window   |  | $\checkmark$   |              |
|                              | T-shaped (4-flap) oral window  |  |  | $\checkmark$ |
|                              | 360° swivel adapter  | 1  | <b>√</b>   |              |
| Workflow                     | Pre-assembled all-in-one device  | <ul> <li>Image: A second s</li></ul> | <ul> <li>✓</li> </ul>  |              |
| Patient type                 | Child  |  |  | $\checkmark$ |
|                              | Adult  | <ul> <li>Image: A second s</li></ul> | <ul> <li>Image: A second s</li></ul> | $\checkmark$ |
|                              | Adult plus   | <ul> <li>Image: A set of the set of the</li></ul>  | <b>√</b>   |              |
|                              |  |  |  |              |

 $^{\rm Southmedic}$  Inc. is an authorized user of genuine Microstream Advance filter lines. Validated outcomes adhere to Southmedic Inc. specifications.  $^{\rm Closed}$  masks require minimum 5 LPM O<sub>2</sub> flow.

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Oxy<sub>2</sub>Pro<sup>™\*</sup> with

Microstream<sup>™</sup>

**POM**<sup>™\*</sup>

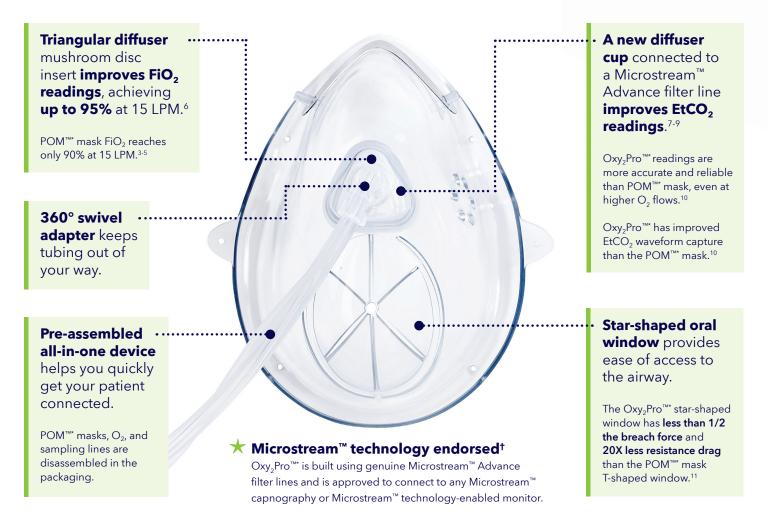
mask

Oxy<sub>2</sub>Mask<sup>™\*</sup> EtCO<sub>2</sub>

with Microstream<sup>™</sup>

## What are the big differences

### between Oxy<sub>2</sub>Pro<sup>™</sup> with Microstream<sup>™</sup> connector and the POM<sup>™</sup> mask?



Microstream<sup>™</sup> capnography monitoring system should not be used as the sole basis for diagnosis or therapy and is intended only as an adjunct in patient assessment. Review the full product IFU before use by appropriate personnel.

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- Piper D. Oxygen Delivery Testing Panoramic Oxygen Mask Simulated Patient Conditions. Protocol 14-0022, Piper Medical Products, 2014.
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- Merrett, Knox, et al. FiO<sub>2</sub> capability of a Procedural Oxygen Mask During Different Breathing Patterns and Oxygen Flows. *Respir Care*. 2019 Oct;64(Suppl 10)3239438. Burke R, Puddicombe C. SMI First in Human analysis of Oxy<sub>2</sub>Pro™\* FiO<sub>2</sub> performance report. 2324-01; 2022. Restrepo RD, Karpenkop I, Liu KE. Evaluation of Capnography Sampling Line Compatibility and Accuracy when Used with a Portable Capnography Monitor. *J Vis Exp.* 7 2020;(163):10.3791/61670. Published 2020 Sep 29. doi:10.3791/61670
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- Based on internal bench testing for expected etCO<sub>2</sub> accuracy against Salter Labs, Respironics, Flexicare, Hudson, and Westmed lines. Full comparison white paper available here: https://www.medtronic.com/content/dam/covidien/library/us/en/product/capnography-monitoring/microstream-sampling-line-design-comparison-white-paper.pdf Piper D. End Tidal CO<sub>2</sub> FiO<sub>2</sub> measurements for the SMI mask PR2125 & POM<sup>TM\*</sup> mask with a Bronchoscope probe. Protocol 21-0061, Piper Medical Products, 2021. 9
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#### medtronic.com/oxymask

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