

Intentional leak rates for masks and exhalation ports

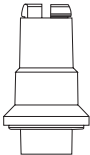
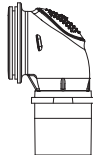



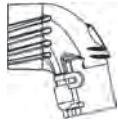


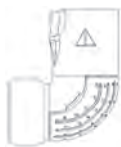

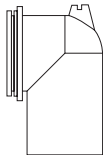
Philips Respironics sleep therapy devices report and/or display **total leak** rates.

Total leak = intentional leak plus unintentional leak

This chart/graph provides the intentional leak rates of our mask exhalation ports at various pressure settings.

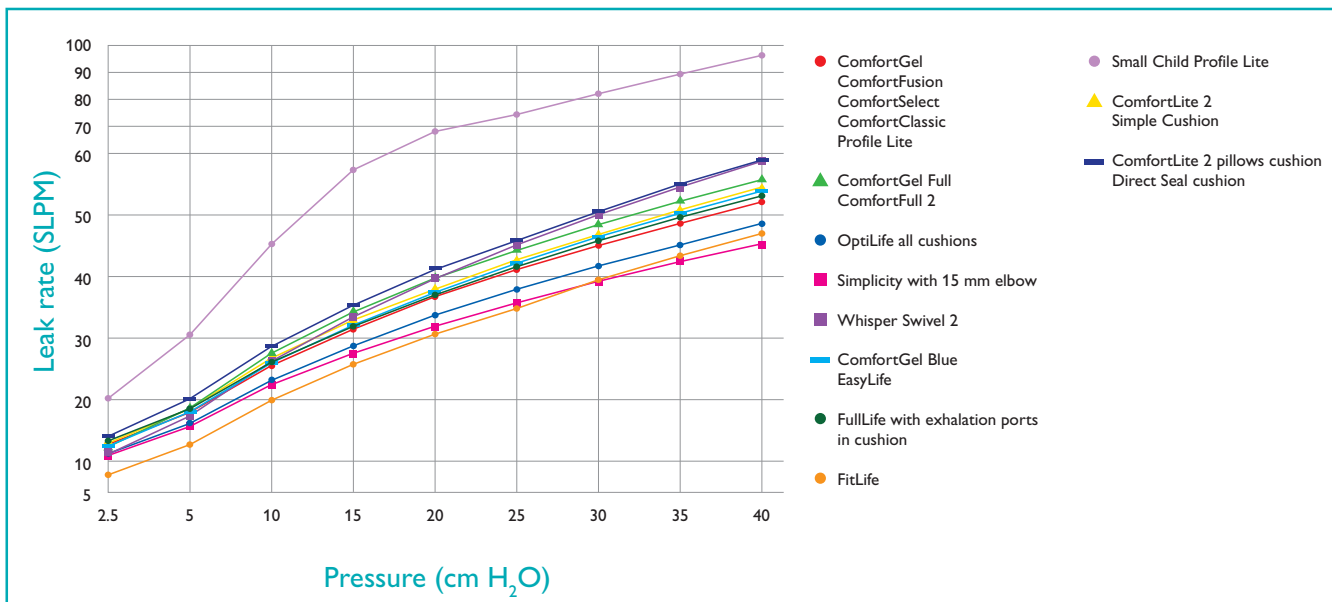
Unintentional leak = total leak minus intentional leak

(from mouth, mask, etc.)

| Mask | Mask Models | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|--|---|---|---|---|----|
| | Whisper Swivel 2 | ComfortGel Blue EasyLife | ComfortGel ComfortFusion ComfortSelect ComfortClassic Profile Lite | ComfortGel Full ComfortFull 2 | FullLife | FitLife | OptiLife all cushions | Small Child Profile Lite | ComfortLite 2 Simple Cushion | ComfortLite 2 pillows cushion Direct Seal cushion | Simplicity with 15 mm elbow | |
| Elbow schematic |  |  |  |  |  |  |  |  |  |  |  | |
| Pressure (cm H ₂ O) | Intentional leak rate (SLPM)* | | | | | | | | | | | |
| | 2.5 | 11 | 12 | 13 | 12 | 13 | 8 | 11 | 20 | 13 | 14 | 11 |
| | 5 | 17 | 18 | 18 | 19 | 19 | 13 | 16 | 31 | 19 | 20 | 16 |
| | 10 | 26 | 26 | 26 | 28 | 26 | 20 | 23 | 45 | 27 | 29 | 22 |
| | 15 | 33 | 32 | 31 | 34 | 32 | 26 | 29 | 57 | 33 | 35 | 28 |
| | 20 | 40 | 37 | 37 | 40 | 37 | 31 | 34 | 68 | 38 | 41 | 32 |
| | 25 | 45 | 42 | 41 | 44 | 42 | 35 | 38 | 74 | 43 | 46 | 36 |
| | 30 | 50 | 46 | 45 | 48 | 46 | 40 | 42 | 82 | 47 | 51 | 39 |
| | 35 | 55 | 50 | 49 | 52 | 50 | 43 | 45 | 89 | 51 | 55 | 42 |
| 40 | 59 | 54 | 52 | 56 | 53 | 47 | 49 | 96 | 55 | 59 | 45 | |

*The actual leak rate may vary due to slight differences in the manufacturing process.

Mask and exhalation ports – pressure vs. flow



Respiroics, ComfortClassic, ComfortFull, ComfortFusion, ComfortGel, ComfortLite, ComfortSelect, Direct Seal, EasyLife, FitLife, FullLife, OptiLife, Profile Lite, Simple Cushion, Simplicity, and Whisper Swivel are trademarks of Respiroics, Inc. and its affiliates. All rights reserved.



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