

# INTENTIONAL LEAK RATE – MASKS AND DEP DEVICES 2007

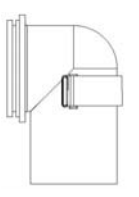
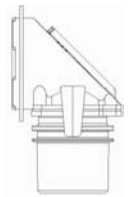
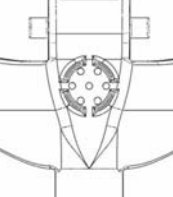
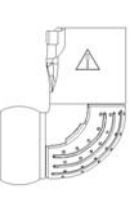
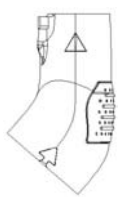
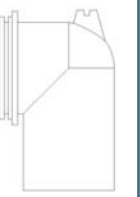
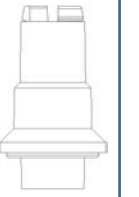
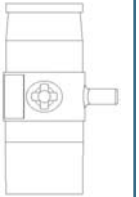
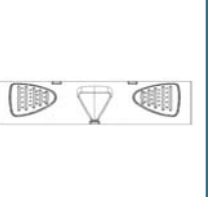
Respironics sleep therapy devices report and/or display **Total Leak** rates.

**Total Leak = Intentional Leak PLUS Unintentional Leak**

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

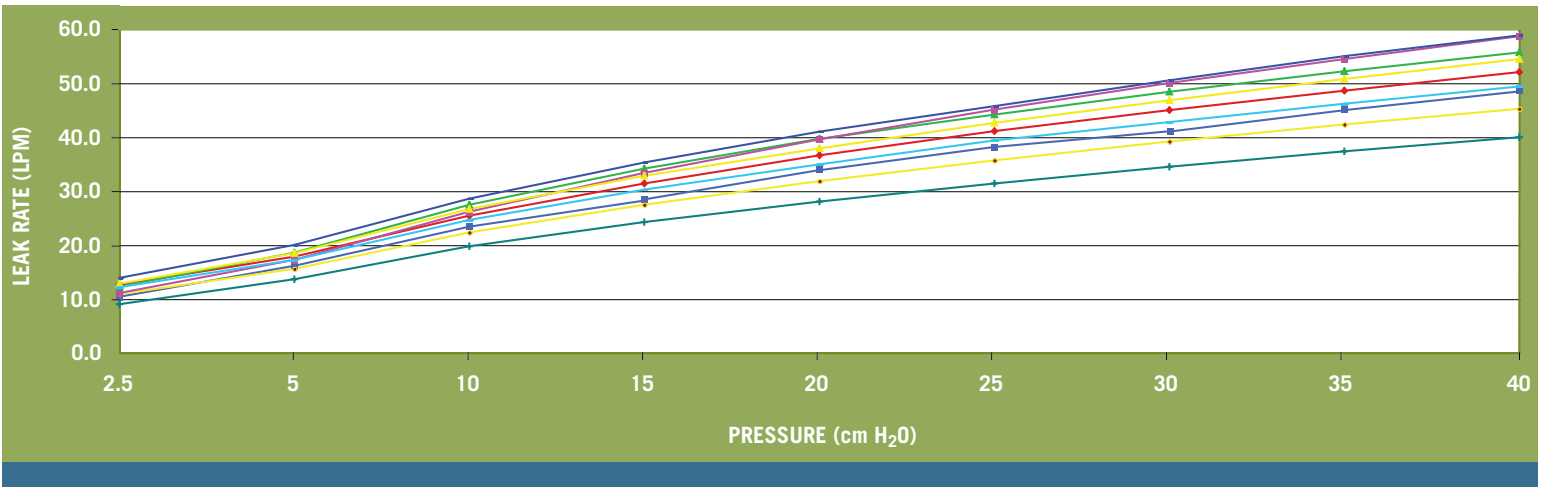
**Unintentional Leak = Total Leak MINUS Intentional Leak**

(from mouth, mask, etc.)

MASK	ComfortGel™ ComfortSelect™ ComfortClassic™ Profile™ Lite	ComfortFull™ 2	OptiLife™	ComfortLite™ 2 ComfortLite™ with Simple Cushion™	ComfortLite™ 2 ComfortLite™ with Pillows Cushion Direct Seal™ Cushion	Simplicity™ with 15 mm elbow	Spectrum®	Disposable Circuit	ComfortCurve™	
	ELBOW	Exhalation Mute	Entrainment Valve	OptiLife™ Exhalation	Diffusion Elbow	Diffusion Elbow	Castle Port	Whisper Swivel® 2	DEP	Crosstube
ELBOW SCHEMATIC										
PRESSURE (CM H2O)	Intentional Leak Rate (LPM) *									
	2.5	12.7	12.3	11.2	12.9	14.0	10.9	11.1	9.1	12.2
	5	17.9	18.6	16.1	18.5	20.1	15.6	17.3	13.7	17.3
	10	25.5	27.5	23.1	26.7	28.6	22.4	26.2	19.8	24.7
	15	31.4	34.2	28.7	32.9	35.3	27.5	33.4	24.3	30.3
	20	36.7	39.7	33.7	37.9	41.1	31.9	39.6	28.1	35.0
	25	41.1	44.2	37.9	42.7	45.8	35.7	45.1	31.4	39.4
	30	45.0	48.4	41.7	46.8	50.5	39.2	50.0	34.5	42.8
	35	48.6	52.2	45.1	50.8	55.0	42.4	54.5	37.4	46.2
40	52.1	55.7	48.6	54.5	58.9	45.3	58.7	40.0	49.4	

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

## RESPIRONICS MASK AND DEP DEVICES - PRESSURE VS. FLOW



- ◆ ComfortGel™  
▲ ComfortFull™ 2  
◆ Simplicity™ w/15 mm elbow  
◆ Spectrum®  
◆ Disposable Circuit  
◆ ComfortLite™ 2  
◆ ComfortLite™ with Pillows Cushion  
◆ Direct Seal™ Cushion
- ◆ ComfortSelect™  
■ OptiLife™  
▲ ComfortLite™ 2  
▲ ComfortCurve™
- ◆ ComfortClassic™  
▲ ComfortLite™ with Simple Cushion™
- ◆ Profile™ Lite

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