

		6 L/min				8 L/min			
		Pressure (cm H ₂ O)		Imposed Work of breathing (mJ/breath)		Pressure (cm H ₂ O)		Imposed Work of breathing (mJ/breath)	
System	ID (mm)	Mean	CI (95%)	Mean	CI (95%)	Mean	CI (95%)	Mean	CI (95%)
Fisher & Paykel	3	28.1 (28,06-28,12)		74.8 (74,66-74,89)		39.7 (39,61-39,72)		82.2 (82,04-82,27)	
	4	12.1 (12,10-12,14)		38.0 (37,90-38,09)		15.2 (15,14-15,18)		44.4 (44,28-44,52)	
	6	8.0 (8,00-8,03)		15.8 (15,63-15,87)		9.1 (9,10-9,14)		18.1 (18,01-18,25)	
	8	6.0 (5,99-6,03)		6.3 (6,17-6,49)		6.4 (6,42-6,45)		6.8 (6,70-6,96)	
	10	5.6 (5,59-5,62)		5.0 (4,85-5,12)		5.9 (5,85-5,89)		5.2 (4,93-5,45)	
	12	5.8 (5,76-5,80)		4.6 (4,37-4,77)		6.0 (5,96-5,99)		4.9 (4,73-5,11)	
	FP	5.8 (5,80-5,85)		5.7 (5,35-5,99)		6.2 (6,17-6,22)		6.1 (5,84-6,37)	
Hudson	3	27.7 (27,66-27,71)		74.2 (74,09-74,23)		36.7 (36,66-36,74)		81.4 (81,33-81,49)	
	4	12.3 (12,33-12,35)		39.6 (39,49-39,61)		15.2 (15,19-15,21)		46.1 (46,06-46,20)	
	6	8.6 (8,62-8,65)		20.1 (19,94-20,18)		10.0 (10,01-10,03)		23.6 (23,50-23,68)	
	8	6.6 (6,55-6,60)		10.8 (10,69-10,91)		7.2 (7,23-7,26)		12.5 (12,39-12,61)	
	10	6.3 (6,30-6,34)		9.5 (9,32-9,76)		6.9 (6,88-6,93)		11.2 (10,97-11,32)	
	12	6.3 (6,28-6,32)		9.1 (8,91-9,21)		6.8 (6,77-6,82)		10.6 (10,49-10,74)	
	FP	6.4 (6,37-6,43)		10.1 (9,84-10,35)		7.0 (7,02-7,06)		12.0 (11,67-12,29)	
RAM	3	26.7 (26,70-26,77)		78.3 (78,19-78,40)		35.0 (34,98-35,08)		83.1 (83,02-83,22)	
	4	11.4 (11,43-11,45)		56.2 (56,09-56,26)		13.9 (13,85-13,89)		60.3 (60,22-60,42)	
	6	7.8 (7,76-7,79)		39.5 (39,38-39,52)		8.7 (8,69-8,71)		41.0 (40,85-41,07)	
	8	5.7 (5,65-5,67)		30.3 (30,23-30,41)		6.0 (5,94-5,97)		30.8 (30,67-30,92)	
	10	5.3 (5,24-5,27)		29.1 (28,93-29,22)	A	5.4 (5,35-5,38)		29.2 (29,08-29,36)	A
	12	5.3 (5,32-5,36)		28.7 (28,57-28,80)		5.4 (5,41-5,44)		29.0 (28,87-29,10)	
	FP	5.5 (5,48-5,51)		29.4 (29,29-29,58)		5.6 (5,61-5,65)		30.0 (29,76-30,15)	

Supplementary Table 3: Effect of two different driver flows.

Means and confidence intervals given for pressure (white background) and imposed work of breathing (gray background). Un-paired t-tests were performed comparing the two different flows and $p < 0.05$ was considered significant. The non-significant comparison is indicated rowwise by letter (A). The original Fisher & Paykel tubing (FP) was included for reference.