

Profile A

-0.693147181 30		N ₂ Tissue Compartments											
Copyright (C) 1998 Benton P. Zwart			5	10	20	40	80	120	160	320	480	640	T1/2
Initial Tissue PN ₂	26.07		2.2990	2.0083	1.7060	1.3905	1.2726	1.2619	1.2548	1.2350	1.2208	1.2137	Slope
Safety Enhancement (0 - 100)	65		103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Intercept
Local Barometer (mmHg)	760		1.3168	1.2150	1.1092	0.9988	0.9575	0.9538	0.9513	0.9444	0.9394	0.9369	Safety Slope
Initial Steady State FiO2	0.21		53.16	47.55	42.25	37.23	35.13	34.69	33.82	33.43	33.26	33.08	Safety Intercept
Depth Gauge Must = 0 at Surface of Water!													
Linear Transition Time	5.50	5.5	79.05	54.06	39.82	32.71	29.30	28.20	27.66	26.86	26.59	26.46	PN ₂ (t)
Transition O ₂ Fraction	0.21												
Calculated Target PN ₂	156.4		482.94	418.95	353.91	287.51	262.06	259.04	255.37	251.02	248.17	246.50	Nxt Seg Ms
Initial PN ₂ Inspired	26.07		270.43	248.03	225.27	202.03	193.12	192.07	190.78	189.26	188.26	187.68	Safety Ms
Target - Initial	130.4		191.37	193.97	185.45	169.32	163.82	163.87	163.12	162.40	161.67	161.21	Buffer
Segment 1 Conditions													
Segment Depth (FSW)	165		97.79	67.31	47.63	36.93	31.48	29.67	28.77	27.42	26.97	26.74	PN ₂ (t)
Segment Time (Min)	2		207.06	177.95	149.19	120.65	109.35	107.62	104.80	102.82	101.68	100.86	Nxt Seg Ms
Inspired O ₂ Fraction	0.21		112.41	102.23	92.16	82.17	78.22	77.61	76.62	75.93	75.53	75.25	Safety Ms
Calculated PN ₂	156.4		14.63	34.92	44.53	45.25	46.73	47.94	47.86	48.52	48.57	48.50	Buffer
165.00													
Linear Transition Time	4.20	4.0											
Transition O ₂ Fraction	0.21		93.19	74.30	54.83	41.67	34.17	31.53	30.19	28.15	27.46	27.11	PN ₂ (t)
Calculated Target PN ₂	61.62		19.22	27.92	37.33	40.50	44.05	46.08	46.43	47.78	48.07	48.13	Buffer
Initial PN ₂ Inspired	156.4												
Target - Initial	-94.8												
Segment 2 Conditions													
Segment Depth (FSW)	45		81.06	71.57	55.61	42.84	34.99	32.14	30.66	28.40	27.63	27.24	PN ₂ (t)
Segment Time (Min)	3.5		149.58	127.75	106.54	85.89	77.53	76.07	73.43	71.94	71.16	70.51	Nxt Seg Ms
Inspired O ₂ Fraction	0.21		79.50	71.85	64.43	57.20	54.28	53.77	52.84	52.32	52.05	51.82	Safety Ms
Calculated PN ₂	61.62		(1.56)	0.28	8.82	14.36	19.29	21.63	22.18	23.92	24.41	24.58	Buffer
45.00													
Linear Transition Time	2.00	0.8											
Transition O ₂ Fraction	1		61.43	62.31	51.88	41.38	34.39	31.77	30.40	28.28	27.55	27.19	PN ₂ (t)
Calculated Target PN ₂	0		18.07	9.55	12.55	15.82	19.89	22.00	22.44	24.04	24.49	24.64	Buffer
Initial PN ₂ Inspired	0												
Target - Initial	0												
Segment 3 Conditions													
Segment Depth (FSW)	20		53.48	58.13	50.12	40.67	34.09	31.58	30.27	28.22	27.51	27.16	PN ₂ (t)
Segment Time (Min)	1		126.59	107.66	89.48	71.99	64.81	63.45	60.88	59.59	58.95	58.38	Nxt Seg Ms
Inspired O ₂ Fraction	1		66.33	59.70	53.34	47.22	44.70	44.23	43.33	42.88	42.65	42.45	Safety Ms
Calculated PN ₂	0		12.85	1.57	3.22	6.54	10.61	12.64	13.06	14.66	15.14	15.30	Buffer
20.00													
Linear Transition Time	0.80	0.3											
Transition O ₂ Fraction	1		47.86	55.00	48.75	40.11	33.86	31.44	30.16	28.17	27.48	27.13	PN ₂ (t)
Calculated Target PN ₂	0		18.46	4.70	4.59	7.10	10.85	12.79	13.16	14.71	15.17	15.32	Buffer
Initial PN ₂ Inspired	0												
Target - Initial	0												
Segment 4 Conditions													
Segment Depth (FSW)	10		23.93	38.89	40.99	36.78	32.42	30.54	29.52	27.87	27.28	26.99	PN ₂ (t)
Segment Time (Min)	5		103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O ₂ Fraction	1		53.16	47.55	42.25	37.23	35.13	34.69	33.82	33.43	33.26	33.08	Safety Ms
Calculated PN ₂	0		29.23	8.66	1.26	0.44	2.71	4.15	4.30	5.57	5.98	6.10	Buffer
10.00													
Linear Transition Time	0.80	0.3											
Transition O ₂ Fraction	1		21.42	36.79	39.87	36.28	32.20	30.40	29.42	27.82	27.25	26.96	PN ₂ (t)
Calculated Target PN ₂	0		31.74	10.76	2.38	0.95	2.93	4.29	4.40	5.62	6.01	6.12	Buffer

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Initial PN₂ Inspired 0
 Target - Initial 0

Segment 5 Conditions

Segment Depth (FSW)	0	21.42	36.79	39.87	36.28	32.20	30.40	29.42	27.82	27.25	26.96	PN ₂ (t)
Segment Time (Min)	0	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O ₂ Fraction	0.21	53.16	47.55	42.25	37.23	35.13	34.69	33.82	33.43	33.26	33.08	Safety Ms
Calculated PN ₂	26.07	31.74	10.76	2.38	0.95	2.93	4.29	4.40	5.62	6.01	6.12	Buffer

0.00

Linear Transition Time	0.30	0.0										
Transition O ₂ Fraction	0.21	21.61	36.57	39.73	36.22	32.18	30.40	29.41	27.82	27.25	26.96	PN ₂ (t)
Calculated Target PN ₂	26.07	31.55	10.98	2.52	1.00	2.95	4.30	4.40	5.62	6.01	6.12	Buffer
Initial PN ₂ Inspired	26.07											
Target - Initial	0											

Segment 6 Conditions

Segment Depth (FSW)	0	21.61	36.57	39.73	36.22	32.18	30.40	29.41	27.82	27.25	26.96	PN ₂ (t)
Segment Time (Min)	0	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O ₂ Fraction	0.21	53.16	47.55	42.25	37.23	35.13	34.69	33.82	33.43	33.26	33.08	Safety Ms
Calculated PN ₂	26.07	31.55	10.98	2.52	1.00	2.95	4.30	4.40	5.62	6.01	6.12	Buffer

0.00

Linear Transition Time	0.00	0.0										
Transition O ₂ Fraction	0.21	21.61	36.57	39.73	36.22	32.18	30.40	29.41	27.82	27.25	26.96	PN ₂ (t)
Calculated Target PN ₂	26.07	31.55	10.98	2.52	1.00	2.95	4.30	4.40	5.62	6.01	6.12	Buffer
Initial PN ₂ Inspired	26.07											
Target - Initial	0											

Final Depth (FSW)

Final Depth (FSW)	0											
Final Air PN ₂	26.1											
Total Dive Time (Min)	25.1											
Residual PN ₂ (mm-min)	4001	-22.307	105.01	273.115	406.19	488.8	518.964	534.56	558.6	566.787	570.913	
Residual PN ₂ Index (mm)	2.134											

0.00

Torr Estimator: Alt (0-20000') = 9000 Torr = 539.87 Equiv = -9.56 fsw