MAXIMUM OPERATING DEPTHS FOR VARIOUS NITROX BLENDS 21% - 40% OXYGEN

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Nitrox blend (% O2)

PPO2 (ATA)	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.21	0.0																			
0.30	4.3	3.6	3.0	2.5	2.0	1.5	1.1	0.7	0.3	0.0										
0.35	6.7	5.9	5.2	4.6	4.0	3.5	3.0	2.5	2.1	1.7	1.3	0.9	0.6	0.3	0.0					
0.40	9.0	8.2	7.4	6.7	6.0	5.4	4.8	4.3	3.8	3.3	2.9	2.5	2.1	1.8	1.4	1.1	0.8	0.5	0.3	0.0
0.45	11.4	10.5	9.6	8.8	8.0	7.3	6.7	6.1	5.5	5.0	4.5	4.1	3.6	3.2	2.9	2.5	2.2	1.8	1.5	1.3
0.50	13.8	12.7	11.7	10.8	10.0	9.2	8.5	7.9	7.2	6.7	6.1	5.6	5.2	4.7	4.3	3.9	3.5	3.2	2.8	2.5
0.55	16.2	15.0	13.9	12.9	12.0	11.2	10.4	9.6	9.0	8.3	7.7	7.2	6.7	6.2	5.7	5.3	4.9	4.5	4.1	3.8
0.60	18.6	17.3	16.1	15.0	14.0	13.1	12.2	11.4	10.7	10.0	9.4	8.8	8.2	7.6	7.1	6.7	6.2	5.8	5.4	5.0
0.65	21.0	19.5	18.3	17.1	16.0	15.0	14.1	13.2	12.4	11.7	11.0	10.3	9.7	9.1	8.6	8.1	7.6	7.1	6.7	6.3
0.70	23.3	21.8	20.4	19.2	18.0	16.9	15.9	15.0	14.1	13.3	12.6	11.9	11.2	10.6	10.0	9.4	8.9	8.4	7.9	7.5
0.75	25.7	24.1	22.6	21.3	20.0	18.8	17.8	16.8	15.9	15.0	14.2	13.4	12.7	12.1	11.4	10.8	10.3	9.7	9.2	8.8
0.80	28.1	26.4	24.8	23.3	22.0	20.8	19.6	18.6	17.6	16.7	15.8	15.0	14.2	13.5	12.9	12.2	11.6	11.1	10.5	10.0
0.85	30.5	28.6	27.0	25.4	24.0	22.7	21.5	20.4	19.3	18.3	17.4	16.6	15.8	15.0	14.3	13.6	13.0	12.4	11.8	11.3
0.90	32.9	30.9	29.1	27.5	26.0	24.6	23.3	22.1	21.0	20.0	19.0	18.1	17.3	16.5	15.7	15.0	14.3	13.7	13.1	12.5
0.95	35.2	33.2	31.3	29.6	28.0	26.5	25.2	23.9	22.8	21.7	20.6	19.7	18.8	17.9	17.1	16.4	15.7	15.0	14.4	13.8
1.00	37.6	35.5	33.5	31.7	30.0	28.5	27.0	25.7	24.5	23.3	22.3	21.3	20.3	19.4	18.6	17.8	17.0	16.3	15.6	15.0
1.05	40.0	37.7	35.7	33.8	32.0	30.4	28.9	27.5	26.2	25.0	23.9	22.8	21.8	20.9	20.0	19.2	18.4	17.6	16.9	16.3
1.10	42.4	40.0	37.8	35.8	34.0	32.3	30.7	29.3	27.9	26.7	25.5	24.4	23.3	22.4	21.4	20.6	19.7	18.9	18.2	17.5
1.15	44.8	42.3	40.0	37.9	36.0	34.2	32.6	31.1	29.7	28.3	27.1	25.9	24.8	23.8	22.9	21.9	21.1	20.3	19.5	18.8
1.20	47.1	44.5	42.2	40.0	38.0	36.2	34.4	32.9	31.4	30.0	28.7	27.5	26.4	25.3	24.3	23.3	22.4	21.6	20.8	20.0
1.25	49.5	46.8	44.3	42.1	40.0	38.1	36.3	34.6	33.1	31.7	30.3	29.1	27.9	26.8	25.7	24.7	23.8	22.9	22.1	21.3
1.30	51.9	49.1	46.5	44.2	42.0	40.0	38.1	36.4	34.8	33.3	31.9	30.6	29.4	28.2	27.1	26.1	25.1	24.2	23.3	22.5
1.35	54.3	51.4	48.7	46.3	44.0	41.9	40.0	38.2	36.6	35.0	33.5	32.2	30.9	29.7	28.6	27.5	26.5	25.5	24.6	23.8
1.40	56.7	53.6	50.9	48.3	46.0	43.8	41.9	40.0	38.3	36.7	35.2	33.8	32.4	31.2	30.0	28.9	27.8	26.8	25.9	25.0
1.45	59.0	55.9	53.0	50.4	48.0	45.8	43.7	41.8	40.0	38.3	36.8	35.3	33.9	32.6	31.4	30.3	29.2	28.2	27.2	26.3
1.50	61.4	58.2	55.2	52.5	50.0	47.7	45.6	43.6	41.7	40.0	38.4	36.9	35.5	34.1	32.9	31.7	30.5	29.5	28.5	27.5
1.55	63.8	60.5	57.4	54.6	52.0	49.6	47.4	45.4	43.4	41.7	40.0	38.4	37.0	35.6	34.3	33.1	31.9	30.8	29.7	28.8
1.60	66.2	62.7	59.6	56.7	54.0	51.5	49.3	47.1	45.2	43.3	41.6	40.0	38.5	37.1	35.7	34.4	33.2	32.1	31.0	30.0

Depth (metres)

For normal diving use a PPO2 value of 1.4 ATA.
PPO2 values over 1.4 ATA are for contingency use only.

A rough formula is given by:
Depth = ((Oxygen Allowance * 10) / Oxygen ratio) - 10

eg. for Allowance of 1.4 and a Oxygen conc of 32%
Depth = ((1.4 * 10) / 0.32) - 10
Depth = (14 / 0.32) - 10
Depth = 43.75 - 10
Depth = 33.75m