

SAC Rate Tank Conversion for Psi

Last Dive										Tank Size
16	30	40	*72	80	80	80	95	100	119	
3000	3000	3000	2250	2400	3000	3500	2400	3500	3500	
1.0	1.9	2.5	5.4	6.3	5.0	4.3	7.5	5.4	6.4	16 3000
0.5	1.0	1.3	2.9	3.3	2.7	2.3	4.0	2.9	3.4	30 3000
0.4	0.8	1.0	2.2	2.5	2.0	1.7	3.0	2.1	2.6	40 3000
0.2	0.3	0.5	1.0	1.2	0.9	0.8	1.4	1.0	1.2	*72 2250
0.2	0.3	0.4	0.9	1.0	0.8	0.7	1.2	0.9	1.0	80 2400
0.2	0.4	0.5	1.1	1.3	1.0	0.9	1.5	1.1	1.3	80 3000
0.2	0.4	0.6	1.3	1.5	1.2	1.0	1.7	1.3	1.5	80 3500
0.1	0.3	0.3	0.7	0.8	0.7	0.6	1.0	0.7	0.9	95 2400
0.2	0.4	0.5	1.0	1.2	9.0	0.8	1.4	1.0	1.2	100 3500
0.2	0.3	0.4	0.8	1.0	0.8	0.7	1.2	0.8	1.0	119 3500

**Next
Dive**

* Calculation based on 65 cu. Ft.

Directions: Find the column for the tank you used on your last dive. Follow the column down until you intersect with the tank you are going to use on your next dive. The number in the box is the SAC rate psi conversion for your next dive. Multiply this number with your SAC rate from the last dive. The answer will be your new SAC rate for the different tank you are going to use.

Formula:
$$\frac{\text{(1st tank) tank cu. Ft.}}{\text{tank working pressure}} \div \frac{\text{(2nd tank) tank cu. Ft.}}{\text{tank working pressure}} = \text{SAC psi for different tank}$$