

Recreation Gas Planning
Marc Blackwood

| Recreational Gas Planning | | | | | | | | | | |
|-----------------------------------|------------------------------------|----|----|----|----|----|-----|-----|-----|-----|
| Depth (FSW) | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 |
| Safety Reserve (ft ³) | 16 | 18 | 19 | 20 | 31 | 38 | 40 | 48 | 56 | 65 |
| Tank | Maximum Bottom Time at Depth (min) | | | | | | | | | |
| Aluminum 80 | 27 | 23 | 20 | 18 | 13 | 10 | 9 | 6 | 4 | 2 |
| Steel 72 | 25 | 21 | 18 | 16 | 12 | 9 | 7 | 5 | 3 | 1 |
| Steel 85 | 31 | 26 | 23 | 20 | 15 | 12 | 11 | 8 | 6 | 4 |
| Steel 95 | 35 | 30 | 27 | 24 | 18 | 15 | 13 | 10 | 8 | 6 |
| Steel (HP) 100 | 38 | 32 | 28 | 25 | 20 | 16 | 14 | 11 | 9 | 7 |
| Steel (HP) 130 | 51 | 44 | 39 | 35 | 28 | 24 | 22 | 18 | 15 | 13 |

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| Notes: | Calculations are based on a consumption rate of 1 CFM/ATM |
| | Calculations assume a direct descent at a rate of 50 ft/min |
| <i>The Author in no way endorses this spreadsheet for use by others. It is provided as a theoretical "e-diving" exercise, nothing more. SCUBA diving is dangerous. Blah blah blah. Don't kill yourself.</i> | |