

### Decompression Planner

Name:  Date:  Day No.

Location:   
Dive Desc:

Start Time:  Exit Time:   
Site Clearance Time:  Date:

Alt (m):

Dive Number	Re-Entry RG	Depth m	MINUTES			STOPS minutes (at depth in m)						Exit RG	Surface Interval	Flying SI
			BT	- RNT	= ABT	18	15	12	9	6	3			
1				0										
Run Time														
2														
Run Time														
3														
Run Time														
Backup Plan														
Run Time														

Legend BT=Bottom Time ABT=Actual Bottom Time RNT = Residual Nitrogen Time RG = Repetitive group Exit RG=End of Dive RG Re-Entry RG=Next Dive RG SI=Surface Interval Flying SI= Flying or driving at altitude

### Actual Intended for Air purposes Planner

Dive Number	Re-Entry RG	Depth m	MINUTES			STOPS minutes (at depth in m)						Ascent Depth/10			
					ABT	18	15	12	9	6	3				
Air Plan															

Absolute Pressure x Time [Depth/10+1]\*Time (mins) B C D E F G H I Ascent on average depth A/(2 x 10) + 1

### Air Consumption Planner

Ascent rate assumed at 10m/min

Maximum Depth of Dive	From Air Plan	R	metres	Calculation A
Absolute Pressure	(Depth/10) + 1	S	Bar	(A/10+1)
Total Time under the water	Surface to surface	T	minutes	J+K+L+M+N+O+P+Q
Breathing Rate	Surface Air/Gas Consumption	U	Litres/min	Your Surface Air Consumption. Factor for cold conditions as needed
Own air required for dive profile	Absolute Pressure x time x breathing rate	V	litres	(B+C+D+E+F+G+H+I)*U i.e. Sum of depths x time (where ascent is half max depth x ascent time) x SAC
Buddy Air (X in box)	<input type="text" value="X"/>	X	Litres	Half of own air less stops (U x (B = I)) - Rule of thirds
Buddy Stops Air (X in Box)	<input type="text" value="X"/>	Y	Litres	Add summation of STOPS for Buddy support (U x (C+D+E+F+G+H))
<b>Total Air required</b>		Z	Litres	V + X + Y

### Usable Gas

Cylinder	a	Litre	Your Cylinder size. If twin add them
Max Pressure	b	Bar	Max working pressure of your cylinders
Actual Fill	c	Bar	Your actual fill. If using twinsof same size then average the two (cyl1+cyl2) / 2
Gas in Cylinder	d	Litre	Total Gas you have available a x c
Reserve	e	Bar	Your end of dive reserve requirement
Usable Gas	f	Litres	Your usable gas leaving reserve a x c - a x e

DIVE OK?

Remove Air Calculations (blank sheet) Tick Box