

# IT Partial Pressure Blending Calculation Sheet

Step 1 - find the percentage to be added to the blend

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I want	⑤	bar	at (multiply) %	0._____	=
I have	⑥	bar	at (multiply) %	0._____	=
Subtract row 2 from row 1 to find:					
Pressure to add	①	bar		Oxygen to add	② bar
Oxygen to add			②		
Divided by pressure to add			①		
Percentage to add			③		

Step 2 - find how much oxygen to add to the cylinder

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Percentage to add	Minus O <sub>2</sub> percentage in air	Times pressure to add	Gives the result of oxygen to add in bar
③	-/- 0.21		
0.79		x ①	= ④ bar
Divided by N <sub>2</sub> percentage in air			
<a href="http://www.instructor-training.com">www.instructor-training.com</a>			
Remaining pressure in cylinder		⑥ bar	
Plus oxygen to add		④ bar	
Fill with oxygen to a pressure of		bar	Then add air to desired pressure ⑤

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