

Formula to mix air and O2 to get the desired Fio2 concentration. Round off some of the numbers so that it would make sense on a flowmeter. Example If you want to deliver 25% O2 you need 0.25% O2 and 4.75% Air. (see flow chart below)

**For a total Flow of 5 LPM:**

<b>FIO2</b>	<b><u>O2 Flow</u></b>	<b><u>Air Flow</u></b>	<b><u>Total Flow</u></b>
<b>25%= 0.25</b>		<b>4.75</b>	<b>5</b>
<b>30%= 0.5</b>		<b>4.50</b>	<b>5</b>
<b>35%= 1.0</b>		<b>4.00</b>	<b>5</b>
<b>40%= 1.5</b>		<b>3.5</b>	<b>5</b>
<b>45%= 1.8</b>		<b>3.2</b>	<b>5</b>
<b>50%= 2.0</b>		<b>3.0</b>	<b>5</b>
<b>55%= 2.2</b>		<b>2.8</b>	<b>5</b>
<b>60%= 2.5</b>		<b>2.5</b>	<b>5</b>
<b>65%= 2.8</b>		<b>2.2</b>	<b>5</b>
<b>70%= 3.0</b>		<b>2.0</b>	<b>5</b>
<b>75%= 3.6</b>		<b>1.4</b>	<b>5</b>
<b>80%= 3.8</b>		<b>1.2</b>	<b>5</b>
<b>85%= 4.2</b>		<b>0.8</b>	<b>5</b>
<b>90%= 4.4</b>		<b>0.6</b>	<b>5</b>
<b>95%= 4.5</b>		<b>0.5</b>	<b>5</b>
<b>100%= 5</b>		<b>0</b>	<b>5</b>

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