



How long will oxygen tanks of various sizes, with various pressures and flow rates last?

Using the formulas provided, you will calculate how long the supply of oxygen will last.
Formulas:

A. 1 cubic foot (ft^3) = 28.3 Liters (L.)

B. $Tank\ factor = \frac{(tank\ size)(28.3)}{2200}$
(Tank size is measured in cubic feet)

C. Tank Duration (in minutes) =

$$\frac{(Tank\ factor)(Pressure\ in\ tank)}{liters\ per\ minute\ gas\ flow}$$

(Pressure in tank is measured in PSI: pounds per square inch)

Sky-o2 oxygen bottle are certified for 2200 Psi.