

iSOC (APPROXIMATE) Oxygen Cylinder Life (Oxygen Flow)  
(courtesy of Jim Begley)

Input your data here:	Q1 = Indicated Flow (cc/min)	X= Depth H <sub>2</sub> O to Unit (ft)	Y= No iSOC Units
	15	20	1

Cylinder Size (std cu ft)	Cylinder Design Press	Actual Fill Pressure
80	2015	1600

Your Water Pressure (psig)	9
Total Pressure (atm)	1.6
Corrected Cylinder Contents (cu ft)	63.5

Oxygen Cylinder Volume (ft <sup>3</sup> )	Oxygen (pounds)	Cylinder Life for 1 iSOC at 1atm (Days)	Actual Cylinder Life for Y iSOCs at X ft Below Water Table (Days)
250	21	321	202
125	10	161	101
80	7	103	65
40.0	3	51	32

Dissolved Oxygen (ppm)	65
Pounds of Oxygen Delivered/year	37.3
Equivalent Flow (standard CCs per min)	18.9
Equivalent Flow (standard Cu.Ft per day)	1.0

Open Excel Document: [02 Cylinder Life.xls](#) (Input variables in two top rows).