


Cylinder Duration Chart

These charts are representative of a range of doses available on the INOMax DS_{IR} and doses higher than 20 ppm are not intended as the recommended therapeutic dose.

D-Size

For a **D-Size** 800 ppm Cylinder Concentration*

		FLOW			
		5 L/min	10 L/min	20 L/min	40 L/min
INOMAX Dose (ppm)	5	7.0 Days	3.5 Days	1.8 Days	21 Hours
	10	3.5 Days	1.7 Days	21 Hours	10.5 Hours
	20	1.7 Days	20.7 Hours	10.3 Hours	5.2 Hours
	40	20 Hours	10 Hours	5 Hours	2.5 Hours
	80	9.5 Hours	4.8 Hours	2.4 Hours	1.2 Hours




typically used in transport

*All calculations for the table above are based on a full cylinder of 138 bar (2000 psig), 353 liter “D” cylinder, and also accounting for cylinder change at 14 bar (200 psig). The figures are calculated on total continuous flow cylinder conversion factor (2.6 liters per bar and 0.18 liters per psig).

88-Size

For an **88-Size** 800 ppm Cylinder Concentration**

		FLOW			
		5 L/min	10 L/min	20 L/min	40 L/min
INOMAX Dose (ppm)	5	39 Days	19.5 Days	9.8 Days	4.9 Days
	10	19.4 Days	9.7 Days	4.8 Days	2.4 Days
	20	9.6 Days	4.8 Days	2.4 Days	1.2 Days
	40	4.7 Days	2.3 Days	1.2 Days	14 Hours
	80	2.2 Days	1.1 Days	13.3 Hours	6.6 Hours



** All calculations for the table above are based on a full cylinder of 138 bar (2000 psig), 1963 liters “88” cylinder, and also accounting for cylinder change at 14 bar (200 psig). The figures are calculated on total continuous flow cylinder conversion factor (14.2 liters per bar and 0.98 liters per psig).

- INOMAX flow = [Desired dose × total ventilator flow] ÷ [Cylinder concentration - desired dose]
- Cylinder volume = Cylinder conversion factor × cylinder pressure (bar/psig)
- Cylinder duration (hours) = (Cylinder volume ÷ INOMAX flow rate) ÷ 60

Calculations are considered estimates and may vary under clinical circumstances.




Oxygen Dilution Chart

Oxygen Dilution During INOMAX® (nitric oxide) for inhalation Therapy

When INOMAX is injected into the inspiratory limb of the breathing circuit, the oxygen concentration (FiO₂) is diluted. The amount of dilution depends on the INOMAX dose and the set FiO₂. The following formula can be used to calculate the amount of oxygen dilution:

$$[\text{INOMAX dose} \div \text{cylinder concentration}] \times \text{set FiO}_2$$

For delivery with 800 ppm cylinder of INOMAX

		Set FiO ₂				
		.21	.40	.60	.80	1.00
INOMAX Dose (ppm)	10	0.21	0.40	0.59	0.79	0.99
	20	 0.20	0.39	0.59	0.78	0.98
	40	 0.20	0.38	0.57	0.76	0.95
	80	 0.19	0.36	0.54	0.72	0.90
		Actual FiO ₂				



Caution FiO₂ less than 21%

Please note: The calculations on this chart have been determined based on an 800 ppm cylinder of INOMAX (nitric oxide) for Inhalation.

This chart is representative of a range of doses available on the INOmax DS_{IR} and doses higher than 20 ppm are not the recommended therapeutic dose.

Calculations are considered estimates and may vary under clinical circumstances.

All numbers have been rounded to the nearest hundredth.
For assistance contact Technical Support 877-566-9466.

Mallinckrodt Manufacturing LLC
6603 Femrite Drive,
Madison, WI 53718-6801 USA