

These data tables compare a list of most of our cylinders and the three delivery protocols.

The **MH4** column assumes the standard-protocol flow rate of 1.0 liter/minute per 10,000 ft. of altitude.

The **MH3** column assumes the oxymizer nasal cannula is being used with the **MH3** flowmeter.

At 10,000 ft. the flow rate of the **MH3** flowmeter will yield about a three (3) times oxygen usage savings over the standard protocol.

At 15,000 ft. there will be about a 2.75 times savings over the standard protocol.

At 18,000 ft. there will be about a 2.5 times savings over the standard protocol.

Using the **EDS** will typically have a three (3) times savings over the **MH3** flowmeter at VFR altitudes.

Actual **EDS** conserving times will vary from person-to-person and conditions during use.

MH3 & **MH4** are the Mountain High adjustable flowmeters

MH4 = Flows at the standard Protocol of 1.0 liter/minute per 10,000 ft.

A34 regulators have the same duration as **MH3** (with Oxymizer) and **MH4** (w/face mask)



1800 psi @ 70 F				1800 PSI			1800 PSI			1800 psig		
Cylinder	Max Press.	Typical	Typical	Man Hours @ 10,000 Ft.			Man Hours @ 15,000 Ft.			Man Hours @ 18,000 Ft.		
Model Number	PSI	Liters	Cu. Ft.	MH4	MH3	EDS	MH4	MH3	EDS	MH4	MH3	EDS
AL-102s	1800	102	3.6	1.4	4.2	6.3	1.0	2.3	3.0	0.8	1.8	2.4
AL-113	2216	92	3.2	1.3	3.8	5.6	0.9	2.1	2.7	0.7	1.6	2.1
AL-122s	1800	122	4.3	1.7	5.1	7.5	1.2	2.8	3.6	1.0	2.1	2.8
AL-180	2216	115	4.1	1.6	4.8	7.1	1.1	2.6	3.4	0.9	2.0	2.7
AL-142s	1800	165	5.8	2.3	6.9	10.1	1.6	3.8	4.9	1.3	2.9	3.8
AL-248	2015	222	7.8	3.1	9.2	13.6	2.1	5.1	6.6	1.8	3.9	5.1
AL-415	2015	371	13.1	5.2	15.4	22.7	3.6	8.5	11.0	3.0	6.5	8.6
AL-647	2216	526	18.6	7.4	21.8	32.2	5.1	12.0	15.6	4.3	9.2	12.1
AL-682	2015	609	21.5	8.5	25.3	37.3	5.9	13.9	18.1	5.0	10.6	14.1
CFF-480	3000	309	10.9	4.3	12.8	18.9	3.0	7.1	9.2	2.5	5.4	7.1
CFFC-048	2216	1109	39.2	15.5	46.1	67.9	10.7	25.3	32.9	9.1	19.3	25.6
KF-011	1850	303	10.7	4.2	12.6	18.5	2.9	6.9	9.0	2.5	5.3	7.0
KF-022	1850	606	21.4	8.5	25.2	37.1	5.9	13.9	18.0	5.0	10.6	14.0
KF-040	1850	1101	38.9	15.4	45.8	67.5	10.7	25.2	32.7	9.0	19.2	25.4
KF-050	1850	1378	48.7	19.3	57.3	84.4	13.4	31.5	40.9	11.3	24.0	31.8
KF-077*	1850	2121	74.9	29.7	88.2	130.0	20.6	48.5	62.9	17.3	36.9	49.0
KF-115*	1850	3169	111.9	44.4	131.7	194.2	30.7	72.5	94.0	25.9	55.2	73.2

Filled to cylinders MAX. allowable pressure				Max Pressure			Max Pressure			Max Pressure		
Cylinder	Max Press.	Max Capacity		Man Hours @ 10,000 Ft.			Man Hours @ 15,000 Ft.			Man Hours @ 18,000 Ft.		
Model Number	PSI	Liters	Cu. Ft.	MH4	MH3	EDS	MH4	MH3	EDS	MH4	MH3	EDS
AL-102s	1800	102	3.6	1.4	4.2	6.3	1.0	2.3	3.0	0.8	1.8	2.4
AL-113	2216	113	4.0	1.6	4.7	6.9	1.1	2.6	3.4	0.9	2.0	2.6
AL-122s	1800	122	4.3	1.7	5.1	7.5	1.2	2.8	3.6	1.0	2.1	2.8
AL-142s	1800	142	5.0	2.0	5.9	8.7	1.4	3.2	4.2	1.2	2.5	3.3
AL-180	2216	165	5.8	2.3	6.9	10.1	1.6	3.8	4.9	1.3	2.9	3.8
AL-248	2015	248	8.8	3.5	10.3	15.2	2.4	5.7	7.4	2.0	4.3	5.7
AL-415	2015	415	14.7	5.8	17.2	25.4	4.0	9.5	12.3	3.4	7.2	9.6
AL-647	2216	647	22.8	9.1	26.9	39.6	6.3	14.8	19.2	5.3	11.3	14.9
AL-682	2015	682	24.1	9.6	28.3	41.8	6.6	15.6	20.2	5.6	11.9	15.7
CFF-480	3000	515	18.2	7.2	21.4	31.6	5.0	11.8	15.3	4.2	9.0	11.9
CFFC-048	2216	1365	48.2	19.1	56.7	83.6	13.2	31.2	40.5	11.2	23.8	31.5
KF-011	1850	311	11.0	4.4	12.9	19.1	3.0	7.1	9.2	2.5	5.4	7.2
KF-022	1850	623	22.0	8.7	25.9	38.2	6.0	14.2	18.5	5.1	10.8	14.4
KF-040	1850	1132	40.0	15.9	47.0	69.4	11.0	25.9	33.6	9.2	19.7	26.1
KF-050	1850	1416	50.0	19.8	58.9	86.8	13.7	32.4	42.0	11.6	24.7	32.7
KF-077*	1850	2180	77.0	30.5	90.6	133.6	21.1	49.8	64.7	17.8	38.0	50.3
KF-115*	1850	3257	115.0	45.6	135.4	199.6	31.6	74.5	96.6	26.6	56.7	75.2

MH3 & **MH4** are the Mountain High portable adjustable flowmeters.

A34 is the Mountain High panel mount adjustable flowmeter.

MH4 Flows at the standard protocol of 1.0 liter/minute per 10,000 ft.

A34 flowmeter has the same duration as **MH3** with Oxymizer cannula, and **MH4** with face mask.

* = Not considered a portable cylinder. Stationary or built-in mounting recommended.

Use the top chart if you are only filling to 1800 psi, else use the bottom chart if you can fill your cylinder to the max pressure.