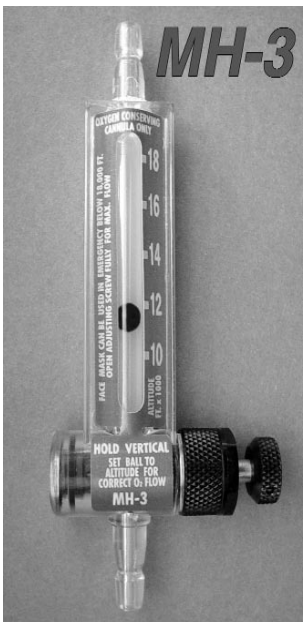
Cylinder Duration Chart

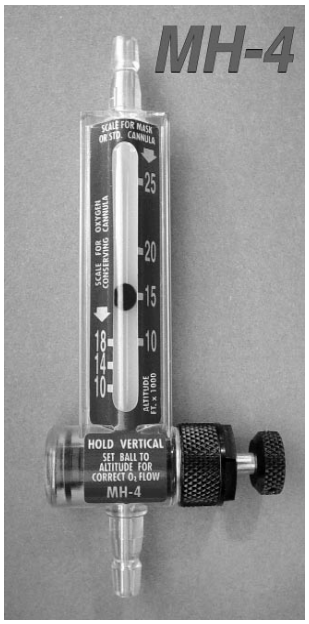
Cylinder Model	Max Liters	Max Cu. ft.	Max Service Pressure (psi)	Man Hours @ 10,000 ft. MH4	MH3	EDS	Man Hours @ 15,000 ft. MH4	MH3	EDS	Man Hours @ 18,000 ft. MH4	MH3	EDS
AL-102s	102	3.6	1800	1.4	4.2	**6.3**	1.0	2.3	**3.0**	0.8	1.8	**2.4**
Al-113	113	4.0	2216	1.6	4.7	**6.9**	1.1	2.6	**3.4**	0.9	2.0	**2.6**
AL-122s	122	4.3	1800	1.7	5.1	**7.5**	1.2	2.8	**3.6**	1.0	2.1	**2.8**
AL-142s	142	5.0	1800	2.0	5.9	**8.7**	1.4	3.2	**4.2**	1.2	2.5	**3.3**
AL-180	165	5.8	2216	2.3	6.9	**10.1**	1.6	3.8	**4.9**	1.3	2.9	**3.8**
AL-248	248	8.8	2015	3.5	10.3	**15.2**	2.4	5.7	**7.4**	2.0	4.3	**5.7**
AL-415	415	14.7	2015	5.8	17.2	**25.5**	4.0	9.5	**12.3**	3.4	7.2	**9.6**
AL-647	647	22.8	2216	9.1	26.9	**39.6**	6.3	14.8	**19.2**	5.3	11.3	**14.9**
AL-682	682	24.1	2015	9.6	28.3	**41.8**	6.6	15.6	**20.2**	5.6	11.9	**15.7**
CFF-480	515	18.2	3000	7.2	21.4	**31.6**	5.0	11.8	**15.3**	4.2	9.0	**11.9**
CFFC-048	1365	48.2	2216	19.1	56.7	**83.6**	13.2	31.2	**40.5**	11.2	23.8	**31.5**
KF-011	311	11.0	1850	4.4	12.9	**19.1**	3.0	7.1	**9.2**	2.5	5.4	**7.2**
KF-022	623	22.0	1850	8.7	25.9	**38.2**	6.0	14.2	**18.5**	5.1	10.8	**14.4**
KF-040	1132	40.0	1850	15.9	47.0	**69.4**	11.0	25.9	**33.6**	9.2	19.7	**26.1**
KF-050*	1416	50.0	1850	19.8	58.9	**86.8**	13.7	32.4	**42.0**	11.6	24.7	**32.7**
KF-077*	2180	77.0	1850	30.5	90.6	**133.6**	21.1	49.8	**64.7**	17.8	38.0	**50.3**
KF-115*	3257	115.0	1850	45.6	135.4	**199.6**	31.6	74.5	**96.6**	26.6	56.7	**75.2**

MH3 & **MH4** are the Mountain High flowmeters
The **MH4** flowmeter is used with a standard aviator's cannula or standard facemask.
The **MH4** flows at approximately 1.0 liter/minute per 10,000 ft.

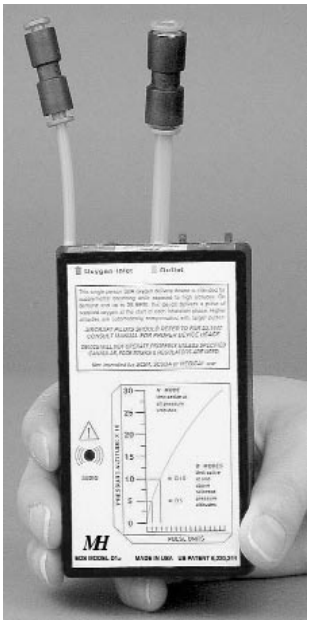
The **MH3** flowmeter is used with the oxymizer cannula.
At 10,000 ft. the **MH3** flowmeter will yield about 3 times the duration of the **MH4** flowmeter.
At 15,000 ft. the **MH3** flowmeter will yield a 2.4 times savings over the **MH4**.
At 18,000 ft. the **MH3** flowmeter will yield a 2.1 times savings over the **MH4**.
A34 regulators have the same duration as **MH3** (w/Oxymizer) and **MH4** (w/face mask)

***** = Not considered as a portable cylinder (stationary or built-in recommended)





AL = Aluminum
CFF = Glass fiber
CFFC = Carbon fiber
KF = Kevlar fiber

Using the **EDS** will yield a longer duration over the **MH3** and **MH4** flowmeters at altitudes up to 30,000 ft.

Actual cylinder times will vary from person to person and conditions during use.