

Backpack Medical Oxygen System (BMOS)

P/N 50C-0089-4 | NSN 3655-01-628-1034



Capacity (gaseous L)
Size (volume)
Weight (pounds)
Durations (hours at flow rate)
Pressure (PSIG)
Ballistics Test
Longevity in Storage

	BMOS 2 Liter LOX	D Cylinder Steel	Equivalent capacity to BMOS (4 D Steel Cylinders)	D Cylinder Composite	Equivalent capacity to BMOS (4 D carbon wound cylinders)
Capacity (gaseous L)	1720	415	1660	415	1660
Size (volume)	750 cu in	226.5 cu in	906 cu in	203.3 cu in	813.2 cu in
Weight (pounds)	19	9	36	5	20
Durations (hours at flow rate)					
1	28.7	6.6	26.3	6.6	26.3
2	14.3	3.3	13.1	3.3	13.1
3	9.6	2.2	8.8	2.2	8.8
4	7.2	1.6	6.6	1.6	6.6
5	5.7	1.3	5.3	1.3	5.3
6	4.8	1.1	4.4	1.1	4.4
8	3.6	0.8	3.3	0.8	3.3
10	2.9	0.7	2.6	0.7	2.6
12	2.4	0.5	2.2	0.5	2.2
15	1.9	0.4	1.8	0.4	1.8
Pressure (PSIG)	65	2015	2015	2015	2015
Ballistics Test	Passed	N/A	N/A	Explosion	Explosion
Longevity in Storage	Loses 0.8 L of LOX per day	Slow leakage	Slow leakage	Slow leakage	Slow leakage