

Performance of Refuge One Air Centre (based on the number of people in a refuge station)

Number Of People In Refuge Station	With Single Bed Refuge One Operating				With Double Bed Refuge One Operating			
	CO ₂		O ₂		CO ₂		O ₂	
	max. co ₂ ppm (note #1)	capacity of m-1 in hours (note #2)	%	capacity of m-1 in hours (note #3)	max. co ₂ ppm (note #1)	capacity of m-1 in hours (note #2)	%	capacity of m-1 in hours (note #3)
5	883	93	20.9	89	441	187	20.9	133
10	1,766	47	20.9	45	883	93	20.9	67
15	2,649	31	20.9	30	1,324	62	20.9	45
20	3,531	23	20.9	22	1,766	47	20.9	33
25	4,414	19	20.9	18	2,207	37	20.9	28
30	5,297	16	20.9	15	2,649	31	20.9	22

NOTES:

PERFORMANCE AND CAPACITIES STATED ABOVE ARE BASED ON THE FOLLOWING:		Single Bed Refuge One Operating	Double Bed Refuge One Operating
#1	air flow rates	80 SCFM	160 SCFM
#2	kilograms of sodalime (# of kegs)	80 kgs/4 kegs	160 kgs/8 kegs
#3	cylinders of oxygen (6.77m ³ /cylinder)	2 cylinders	3 cylinders

OTHER INFORMATION:

PHYSICAL DATA	Single Bed Refuge One	Double Bed Refuge One
height	57.25"	65.50"
depth	25.50" (15" with cover off)	55.00"
width	29.50"	31.00"
weight (no chemical or O ₂)	500 lbs	1155 lbs
ELECTRICAL CAPACITY	Single Bed Refuge One	Double Bed Refuge One
with mine power	unlimited	unlimited
without mine power (battery capacity)	36 hours	36 hours