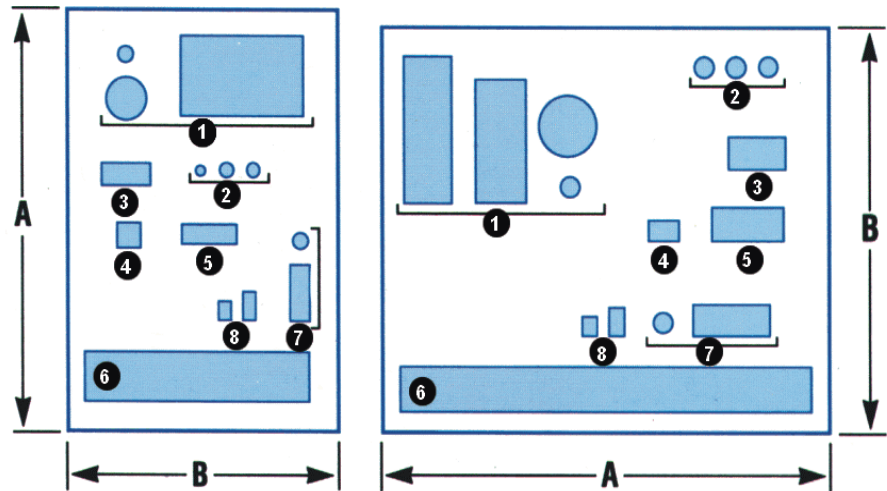


CO₂ Production System Layout

Space Requirements and Operating Specifications

All capacities and utility requirements shown in the table are approximate and subject to change based on types and properties of fuel, water, MEA and local conditions.

- ① CO₂ Gas Generator
- ② CO₂ Purification Train
- ③ CO₂ Compressor
- ④ CO₂ Dryer (Dual Tower)
- ⑤ CO₂ Liquefying Package
- ⑥ CO₂ Liquid Storage Tank
- ⑦ CO₂ Vaporizer
- ⑧ CO₂ Cylinder Filling Station



100 Kg/Hr and 250 Kg/Hr CO₂ Plant 500 Kg/Hr, 650 Kg/Hr and 1000 Kg/Hr CO₂ Plant

Note: Water cooling tower, circulating pump and oil storage tank are not shown since they are normally located outside of the building in various locations. The liquid CO₂ storage tank may also be placed outdoors in order to reduce under roof space requirements.

PLANT CAPACITY	RECOMMENDED AREA						POWER (2)	MAKE-UP WATER (3)		LIQUID CO ₂ STORAGE CAPACITY (TIMES 1000)		FUEL OIL (4)	
	A (LENGTH)		B (WIDTH)		C (1) (HEIGHT)			GPM	L/MIN	LBS	KGS	GPH	L/HR
KG/HR	FT	MTRS	FT	MTRS	FT	MTRS	KW						
100	50	15.2	28	8.5	39	11.9	58	8	30	28	12.7	11	42
250	57	17.4	39	11.9	40	12.2	121	20	76	52	23.6	27	102
500	65	19.8	46	14.0	41	12.5	234	39	148	100	45.5	55	207
650	65	19.8	55	13.8	41	12.5	291	48	182	100	45.5	71	267
1000	72	21.9	55	16.8	48	14.6	390	75	284	120	54.4	108	409

1. Overhead height can be reduced by projecting CO₂ generator towers through the roof.
2. Connected KW is based on 50 hertz operation at sea level. Includes cooling tower with pump.
3. Make-up water rate includes water cooling tower evaporation loss and blowdown.
4. Based on 0.83 SP.GR. at 60 / 60°F fuel oil.