




Installation List


Short Installation List for Liqui-Cel Membrane Contactors


The following summary represents only a small sampling of the many systems we have installed over the last 10 years. We have hundreds of systems in many different markets being used for a variety of applications. We stand behind our products and offer performance warranties for Oxygen and Carbon Dioxide removal. We can offer performance warranties because of our vast experience and field performance data. Gas outlets of <1 ppb of dissolved oxygen and <1 ppm of carbon dioxide are easy to achieve.


TFT LCD	Region	GPM	M3/Hr	Primary Application	Outlet Gas Concentration
	Asia	771	175	O ₂ removal	10 ppb
	Asia	2127	483	O ₂ removal	100 ppb
	Asia	836	190	O ₂ removal	10 ppb
	Asia	1200	273	O ₂ removal	30 ppb


Boiler Feed Water	Region	GPM	M3/Hr	Primary Application	Outlet Gas Concentration
	Asia	132	30	O ₂ removal	10 ppb
	Asia	90	20	O ₂ removal	500 ppb
	N. America	150	34	CO ₂ removal	>80% removal
	Asia	150	34	CO ₂ removal	>95% removal

Power	Region	GPM	M3/Hr	Primary Application	Outlet Gas Concentration
	Asia	44	10	O ₂ removal	1 ppb
	N. America	300	68	O ₂ / CO ₂ removal	10 ppb
	N. America	100	23	O ₂ / CO ₂ removal	1 ppb
	Asia	150	34	CO ₂ removal	>95% removal
	Asia	70	16	O ₂ removal	>98% removal

Industrial	Region	GPM	M3/Hr	Primary Application	Outlet Gas Concentration
	Asia	2500	568	O ₂ removal	100 ppb
	N. America	40	9	O ₂ removal	>98% removal
	Europe	88	20	Ammonia removal	>95% removal
	S. America	135	30	CO ₂ removal	5 ppm

<i>Microelectronics</i>	Region	GPM	M3/Hr	Primary Application	Outlet Gas Concentration
	Asia	1012	230	O ₂ removal	10 ppb
	Asia	1057	240	O ₂ removal	3 ppb
	Asia	660	150	O ₂ removal	1 ppb
	N. America	1800	409	CO ₂ / O ₂ removal	100 ppb O ₂
	Asia	946	215	O ₂ removal	3 ppb

<i>Pharmaceutical</i>	Region	GPM	M3/Hr	Primary Application	Outlet Gas Concentration
	Asia	29	7	CO ₂ removal	2 ppm
	Europe	150	34	O ₂ removal	3 ppb
	Asia	40	9	O ₂ removal	1 ppb
	Asia	13	3	O ₂ removal	10 ppb

<i>Beverage</i>	Region	GPM	M3/Hr	Primary Application	Outlet Gas Concentration
	Asia	11	25	O ₂ removal	<10 ppb
	Europe	180	41	Carbonation	Various levels depending on product
	N. America	150	34	O ₂ removal	1 ppb
	Europe	165	38	Decarbonation/N ₂ control in Brewery	1 ppm CO ₂ , 50-55 ppm N ₂ , & 40 ppb O ₂
	N. America	450	102	O ₂ removal	5 ppb
	N. America	800	182	O ₂ removal	5 ppb

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