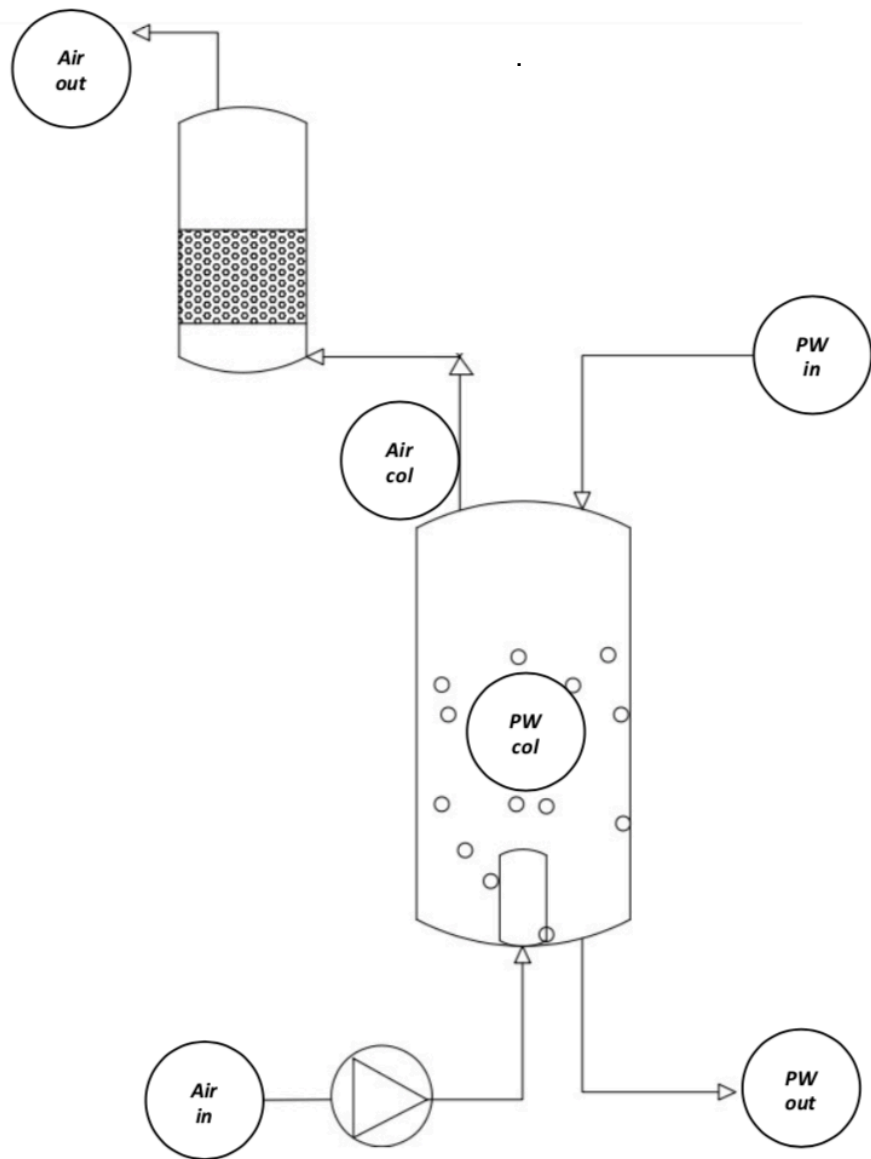


Mass Balance Water

Parameter	PW in	PW col	PW out
Toluene Concentration (mmol/L)	0.543	0.022	0.022
Liquid Volumetric Flow (L/min)	4.5	0.0	22.7
Toluene Mass Rate (mg/min)	227.12	0.00	45.42
Absolute Pressure (atm)	1	1	1
Temperature (°F)	Ambient	Ambient	Ambient
Duration (min)	0.25	15.62	0.05
Volume (L)	1.14	1.14	1.14
Total Toluene (mmol)	0.616	0.025	0.025



Mass Balance Air

	Air in	Air col	Air out
Toluene Concentration (mmol/L)	0.000	0.008	0.000
Air Volumetric Flow (L/min)	5	5	5
Toluene Mass Rate (mg/min)	0.00	3.49	0.00
Absolute Pressure (atm)	1	1	1
Temperature (°F)	Ambient	Ambient	Ambient
Duration (min)	15.62	0.50	15.62
Volume (L)	78.10	2.49	78.10
Total Toluene (mmol)	0.000	0.592	0.000