

PTC Liquefaction Performance V2.0



		PTC330			PTC1000			
Gas		Nitrogen	Oxygen	Methane	Nitrogen	Oxygen	Methane	
Liquefaction Pressure		15 PSI, 103 kPa			15 PSI, 103 kPa			
Boiling Point		K	83.9	97.5	120.9	83.9	97.5	120.9
Cooling power		W	504.8	653.1	907.0	1239	1599	2217
Output	Liquid production rate	L/hr	4.5	4.4	7.4	12.2	12.0	20.0
		L/day	108.5	106.7	177.9	293.8	288.7	480.3
		kg/day	87.5	121.9	75.2	237.0	329.8	202.9
		lb/day	193.0	268.8	165.7	522.5	727.2	447.4
Input	Feed gas rate	m ³ /hr	3.4	4.7	2.9	9.4	12.9	8.0
		L/min	56.9	78.6	48.7	156.2	215.0	133.1
		ft ³ /min	2.0	2.8	1.7	5.5	7.6	4.7

All liquid production rates are given once decanted to atmospheric pressure. Nitrogen liquefaction rates are as measured, Oxygen and Methane are theoretical.