

Thermo-Cycler vs. Direct Fired Makeup Air Heater

Water Vapor Produced per Day

Input Firing Rate: 400,000 Btuh

11.2 Gals/Mcf x .4 Mcf/hr x 24 hr/day = 107.5 Gallons of Water per Day

Input Firing Rate: 1,000,000 Btuh

11.2 Gals/Mcf x 1.0 Mcf/hr x 24 hr/day = 268.8 Gallons of Water per Day (2242 Lbs per day)

During one day of full operation, a 400 Mbh gas fired heating unit can produce over 100 gallons of water. A 1,000 Mbh gas fired heating unit can produce OVER ONE (1) TON of water each day. An indirect fired Thermo-Cycler GTC-400 will vent the water vapor products to the outside. A direct fired makeup space heating unit will dump all combustion byproducts (including the water vapor) into the building. Your building, your choice.