

ENTROPY, Cal/g °K or BTU/lb °R

0 1 2 3 4 5 6 7 8 9 1.0 1.1 1.2

300 290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 65

540 520 500 480 460 440 420 400 380 360 340 320 300 280 260 240 220 200 180 160 140 120

### TEMPERATURE-ENTROPY CHART FOR NITROGEN

PRESSURE, (P) atm  
DENSITY, ( $\rho$ ) gm/cm<sup>3</sup>  
TEMPERATURE °K  
ENTHALPY, (H) Joules/gm  
ENTROPY Joules/gm °K

National Bureau of Standards  
Cryogenic Engineering Laboratory  
Boulder, Colorado

TEMPERATURE, K

TEMPERATURE, °R

0 1.0 2.0 3.0 4.0 5.0

ENTROPY, J/g °K

