

RELATIVE DENSITY FACTOR

ALTITUDE IN METRES A.S.L.

RELATIVE DENSITY OF AIR AT VARIOUS ALTITUDES AND TEMPERATURES

STANDARD OR "NORMAL" AIR IS MEASURED AT 0°C AND 1013 KPa H.G.
 I.E. DENSITY 1,293 Kg/m³
 AT SEA LEVEL: 20°C AIR DENSITY = 1,2 Kg/m³
 EXAMPLE: SAY ALTITUDE 1200 m THEN FROM CURVE FACTOR = 0,869
 SAY TEMP. OF GAS = 220°C FROM CURVE FACTOR = 0,6
 THE GAS DENSITY = (0,869 x 0,6) x 1,2 = 0,626 Kg/m³

RELATIVE DENSITY FACTOR

TEMPERATURE °C