

ASHRAE PSYCHROMETRIC CHART NO. 1

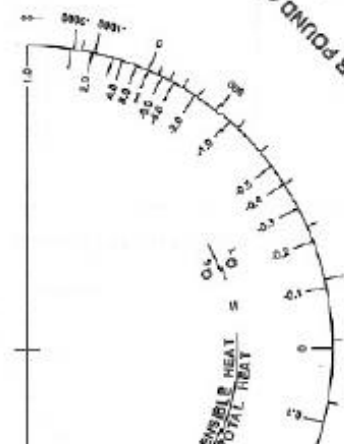
NORMAL TEMPERATURE

BAROMETRIC PRESSURE: 29.921 INCHES OF MERCURY

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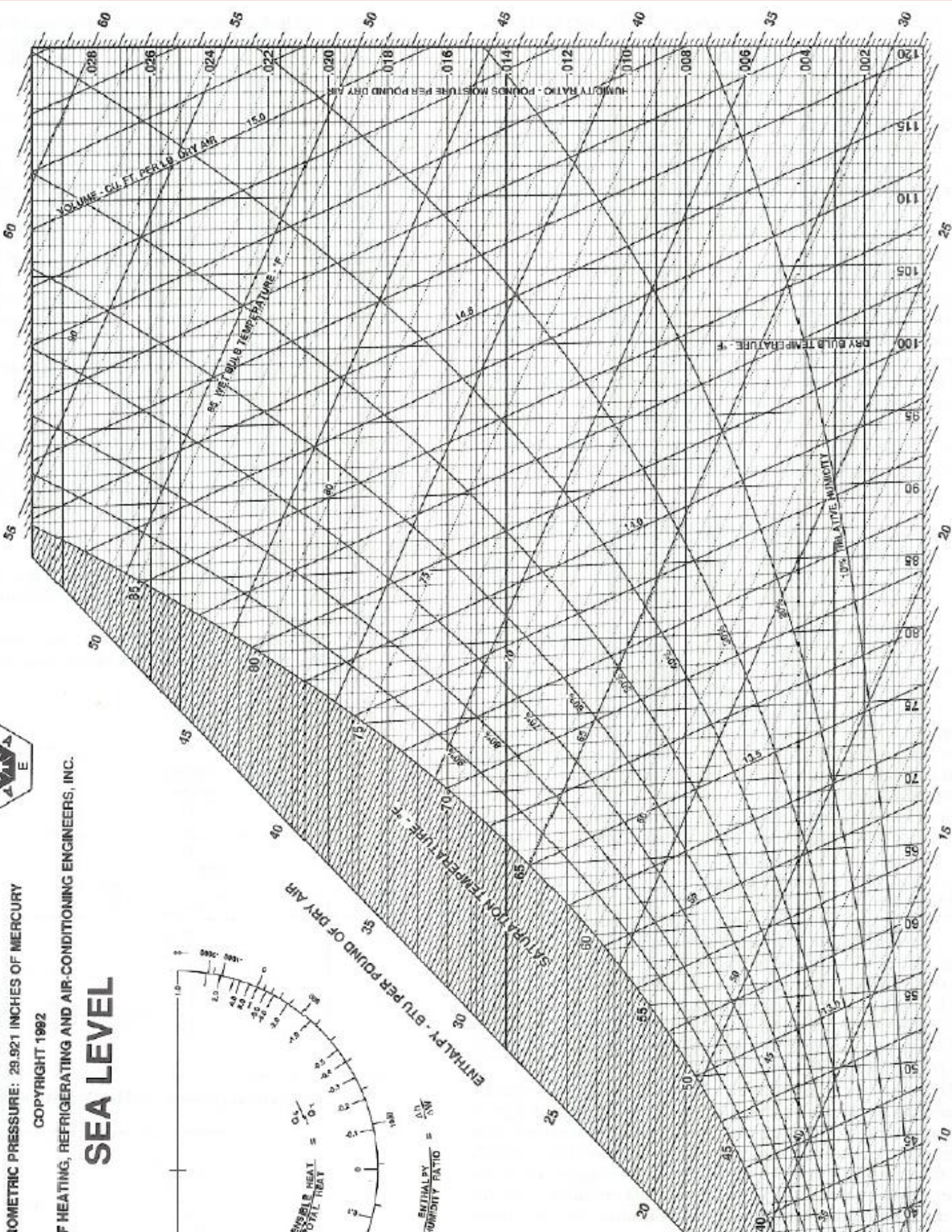
FOR HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.

SEA LEVEL



ENTHALPY - BTU PER POUND OF DRY AIR

HUMIDITY RATIO =



ENTHALPY - BTU PER POUND OF DRY AIR

ASHRAE PSYCHROMETRIC CHART NO. 1

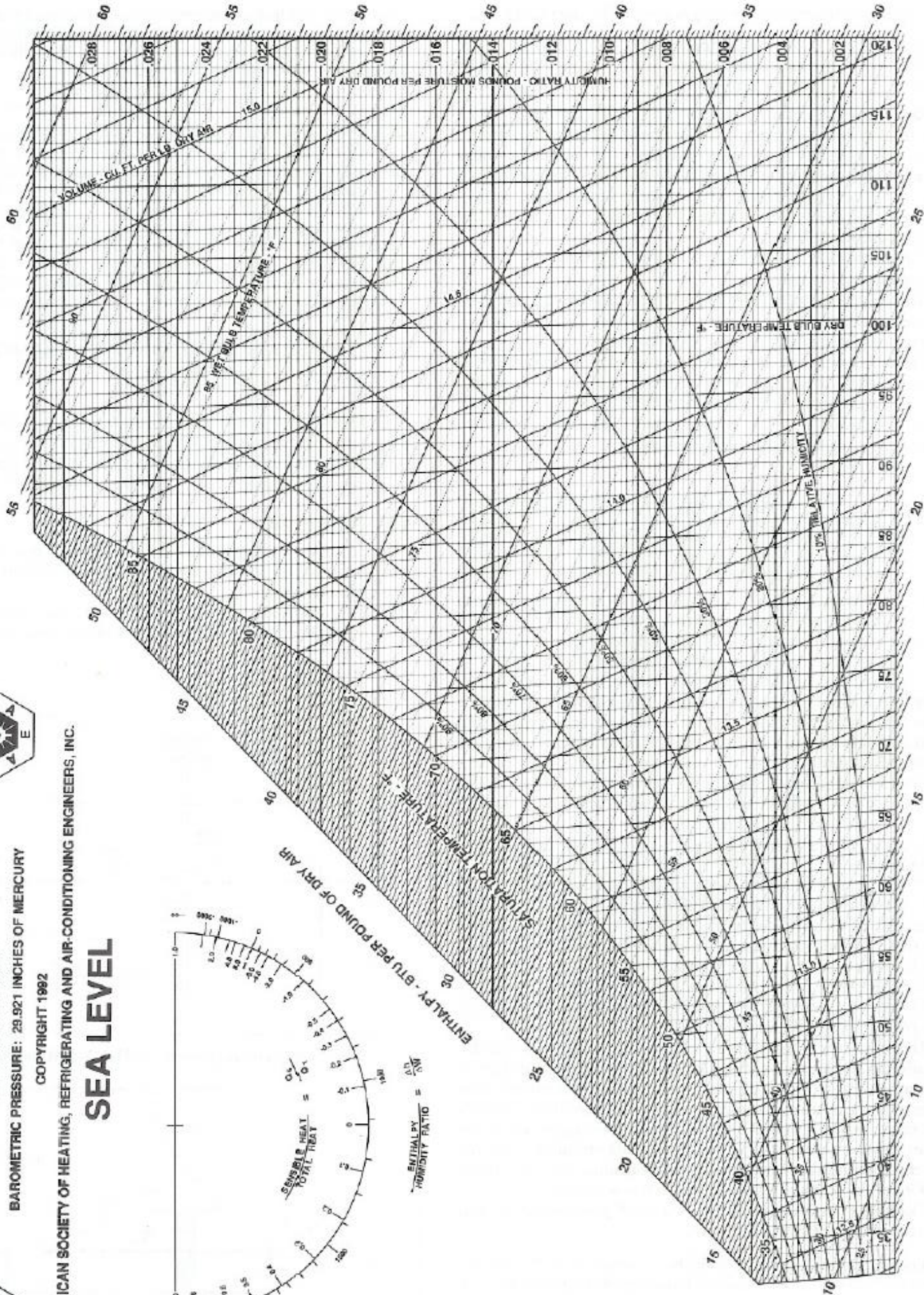
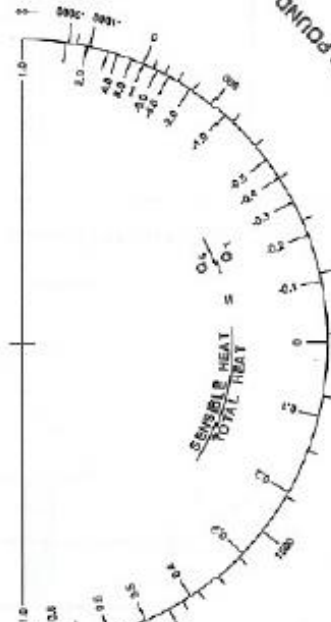
NORMAL TEMPERATURE

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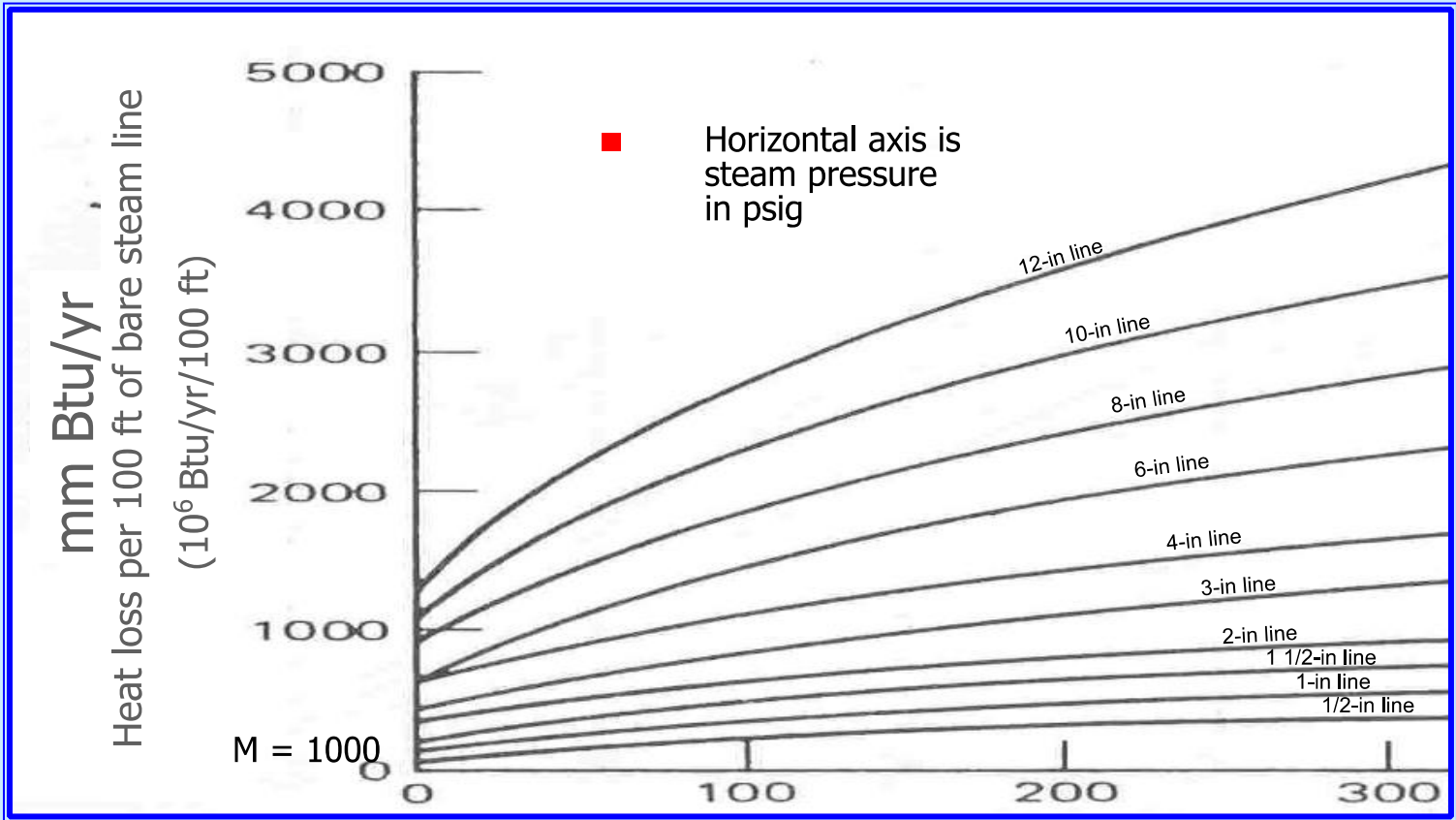
SEA LEVEL



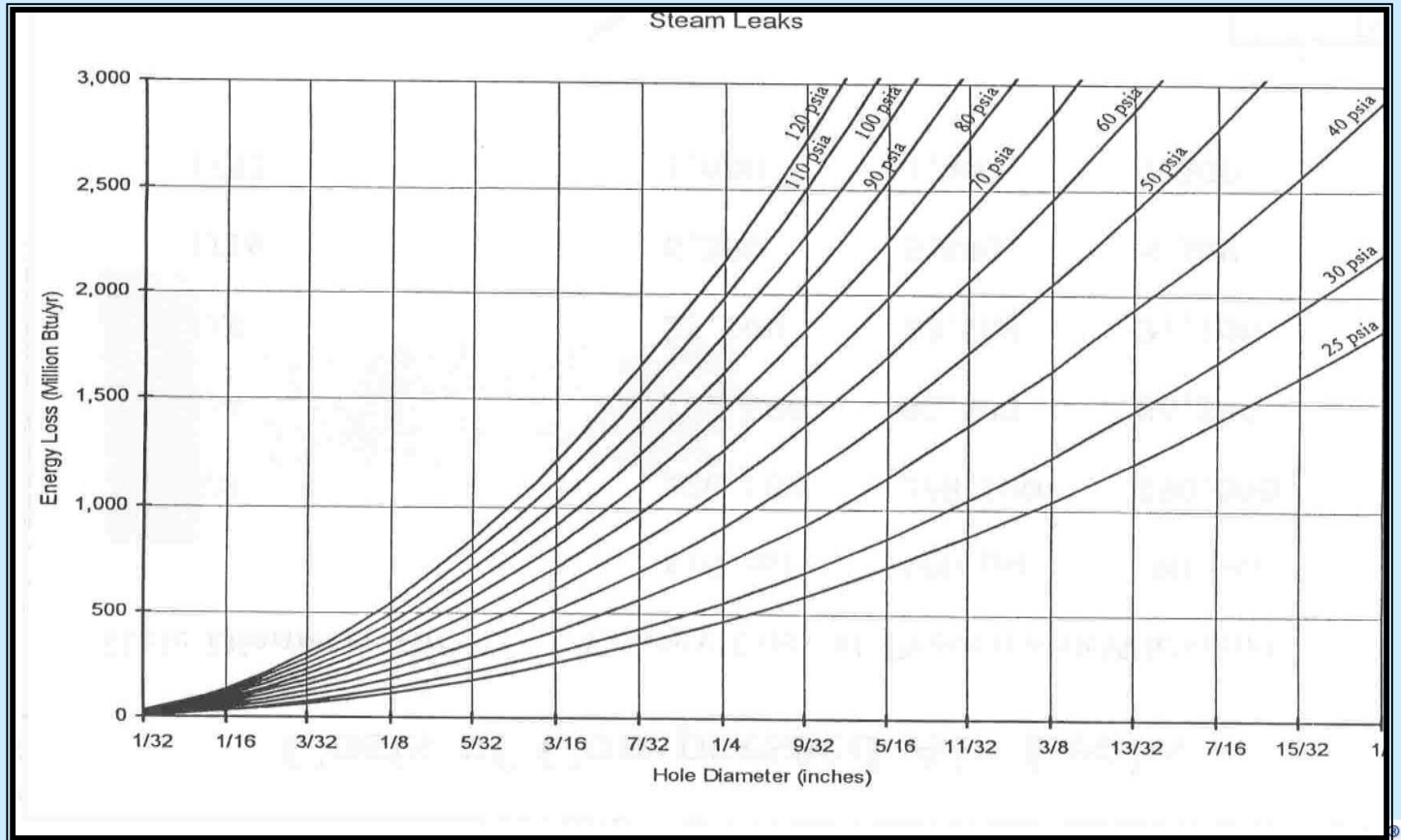
ENTHALPY - BTU PER POUND OF DRY AIR

Energy Loss from Uninsulated Pipes

steam pressure in psig, for 8760 h/yr operation, per 100 feet of pipe



Cost of Steam Leaks in psia, and for 8760 h/yr operation



Compressed Air Leaks Table in psig, and for 8760 h/yr operation

Costs of Compressed Air Leaks

Hole Diameter (in)	Energy Loss at Pressure (kWh/year)		
	<u>110 psi</u>	<u>100 psi</u>	<u>90 psi</u>
3/8	226,100	208,100	190,000
1/4	100,500	92,500	86,300
1/8	25,100	23,100	21,100
1/16	6,300	5,800	5,300
1/32	1,600	1,400	1,300