

Computer Packages for the Thermophysical Properties of Fluids and Solids

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GASPAK Version 3.41 produces thermodynamic properties for 38 pure fluids and a generic equation of state which estimates the thermodynamic and transport properties of any fluid, with a minimum of input information. The thermodynamic properties of 11 of the 38 fluids are accompanied by transport properties, and six of the 38 fluids include properties of the solid phase. The pressure and temperature range of validity for each of the fluids varies by individual fluid, however all fluids include properties for both the gaseous and liquid regions. As is the case with earlier versions of GASPAK, the program allows a variety of inputs such as pressure-temperature, pressure-density entropy-temperature, and many others, including quality (both liquid-vapor and liquid-solid), paired with all of the other allowed state variables. Earlier versions of GASPAK and other Cryodata computer packages are available through Horizon Technologies.

For a full list of computer data bases available through Horizon Technologies, go to their web site at www.htess.com.