

THE PVT AND THERMAL PROPERTIES OF HF

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The PVT and thermal properties of pure HF have been revised. The available data, which cover two distinct regions, one at low and one at high pressure, have been organized in a consistent set of data; volume properties and enthalpy have been plotted in the temperature range between 0°C and 300°C, for pressures up to 300 atm.

Some experimental work has also been done to test the volume properties of HF in the presence of an inert gas at moderate temperatures and pressures. At these conditions the association factor, which for pure HF is a function of temperature and molar volume, appears to be strongly affected by the presence of inerts