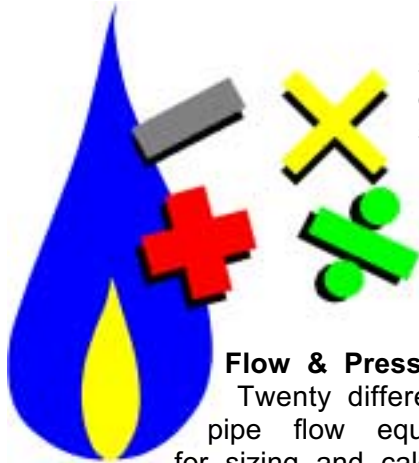


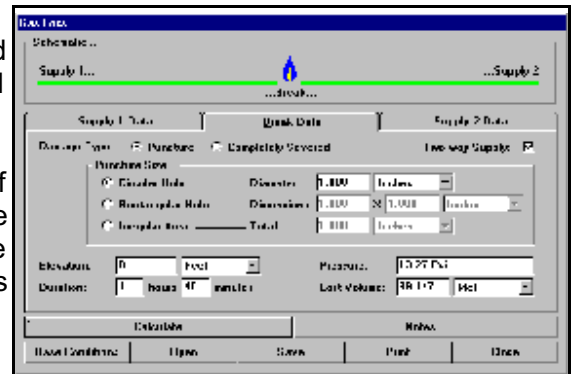
# GASCalc 4.0...



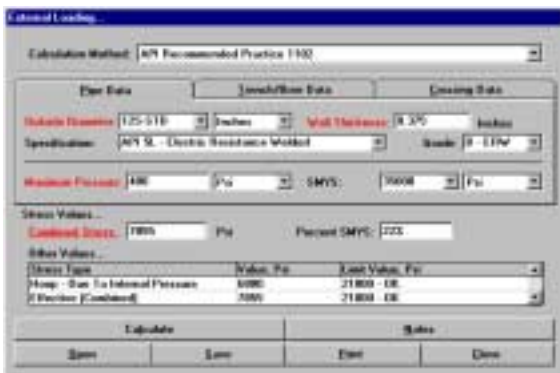
Is the latest release of our popular suite of analytical tools specifically developed to aid in the design and operation of natural gas distribution, gathering, transmission, plant, and fuel piping systems. It includes routines for calculating a variety of stress, flow, and pressure values associated with virtually any piping application that transports or delivers natural gas. Its wide range of features provide the ability to investigate piping problems from the well head to the burner tip. Some of its features include...

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Twenty different industry related pipe flow equations are supported for sizing and calculating pressure loss across pipe and fittings. Also included are routines for valves, regulators, and relief devices, and calculation of pressures and flows in control and relief applications. These routines are perfect for performing annual relief valve capacity checks. One convenient routine estimates gas loss from a punctured or severed line.



**Stress Values** - Routines are included for calculating a variety of pipe stress values including bending stress on pipe spans, thermal expansion and contraction, hoop stress, and stress caused by roadway and railway crossings.



**Supported Standards And Guidelines** - AGA 3 Orifice Metering Of Natural Gas And Other Hydrocarbon Fluids, AGA 8 Compressibility Factors of Natural Gas and Other Hydrocarbon Gases, AGA GPTC Guide For Gas Transmission and Distribution Piping Systems, AGA NX19 Manual For Determination of Supercompressibility Factors For Natural Gas, API 520 Sizing Selection and Installation of Pressure-Relieving Devices in Refineries, API 1102 Steel Pipelines Crossing Railroads and Highways, ASME B31.8 Gas Transmission And Distribution Piping Systems, GPA 2172 Calculation of Gross Heating Value (etc) for Natural Gas Mixtures from Compositional Analysis, IGE/TD/3

Recommendations On Transmission And Distribution Practice, ICC International Mechanical Code, ISA S75.01 Flow Equations for Sizing Control Valves, ISO 5167 Measurement of fluid flows by means of pressure differential devices.

Requires Windows 95 or newer operating system, and a CD drive for installation...



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