Disclaimer

Please Read Carefully!!!

This program should be used at users discretion and only as a guide. The proper units specified for the input data must be entered, otherwise results will be incorrect. If there are any questions on input data, terms, results, or fluid properties, call the Denver Product Applications at (303) 744-5070. The calculated velocity of the fluid must be kept below 35 ft/s and maintain a laminar flow, anything above this can deteriorate the tube. The pressure loss programs do not account for any jump sizes. Pressure losses through fittings are calculated based on fitting dash sizes corresponding to the input hose diameter. The program recognizes the following fitting dash sizes, which correspond to the hose inside diameter in 16ths of an inch: -3, -4, -5, -6, -8, -10, -12, -16, -20, -24, -32, -40, -48, -56, & -64. If a hose diameter that is input does not correspond to one of these dash sizes, the program assumes the fittings are the next standard dash size smaller than the original input hose diameter. If the input hose diameter is less than 3/16, the program assumes -3 fittings. If fittings are not desired, values of zero should be input for fittings. The fluid flow program used will than calculate basic fluid flow situations involving hoses. The equations used for the fluid flow program are based on assumptions and average conditions. The flow of air through hose can be treated similarly to the flow of liquids, the main difference being the consideration for compressibility of the air. The airflow computer program can be used for general problems but is specially adapted to problems involving air compressors. The airflow program will enable you to answer basic airflow problems involving Gates hoses. The equations used for this program are based on assumptions and average conditions.

ANY QUESTIONS, CONTACT PRODUCT APPLICATIONS (303) 744-5070.