



SoftDucts Dimensioning

SoftDucts, LLC. provides the necessary parameters for the correct functioning of and design of the duct avoiding the “fluttering” effect and optimizing the loss of pressure by friction as well as giving the necessary elements to calculate the conduction of the air in different geometrical forms such as Y’s, T’s, elbows, etc.

SoftDucts takes into consideration for the calculation process; the number and length of ducts, duct diameter, the volume flow per running met of ducting, air distribution type, static pressure, pressure loss and air velocity at the entrance of the occupied zone. The proper design of the system prevents the fluttering effect, defined as a rippling or rustling which commonly occurs near the outlet when a system has an irregular inlet flow pattern or an improper design. Defective design may be caused by insufficient static pressure, excessive inlet velocities and inadequate porosity in the fabric.

