

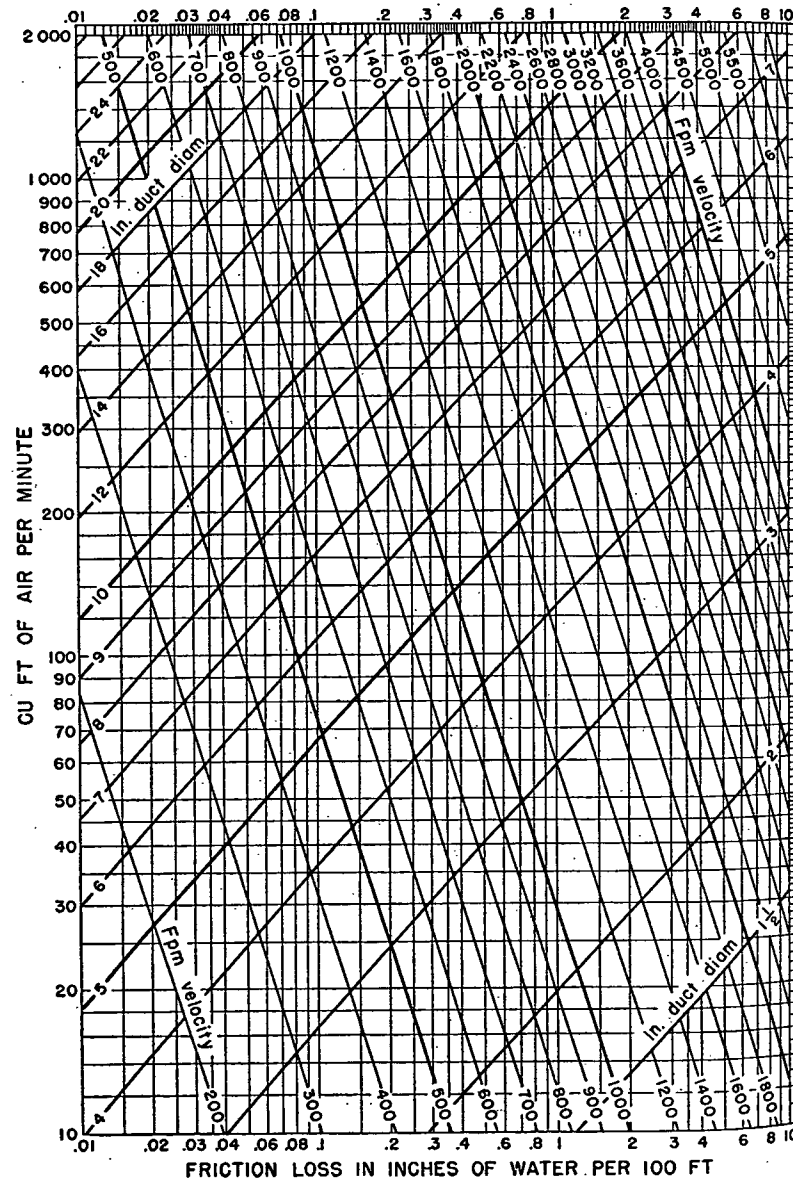


FIG. 2. FRICTION OF AIR IN STRAIGHT DUCTS

For Volumes of 10 to 2000 cfm

(Based on Standard Air of 0.075 lb per cu ft density flowing through average, clean, round, galvanized metal ducts having approximately 40 joints per 100 ft.) Caution: Do not extrapolate below chart.

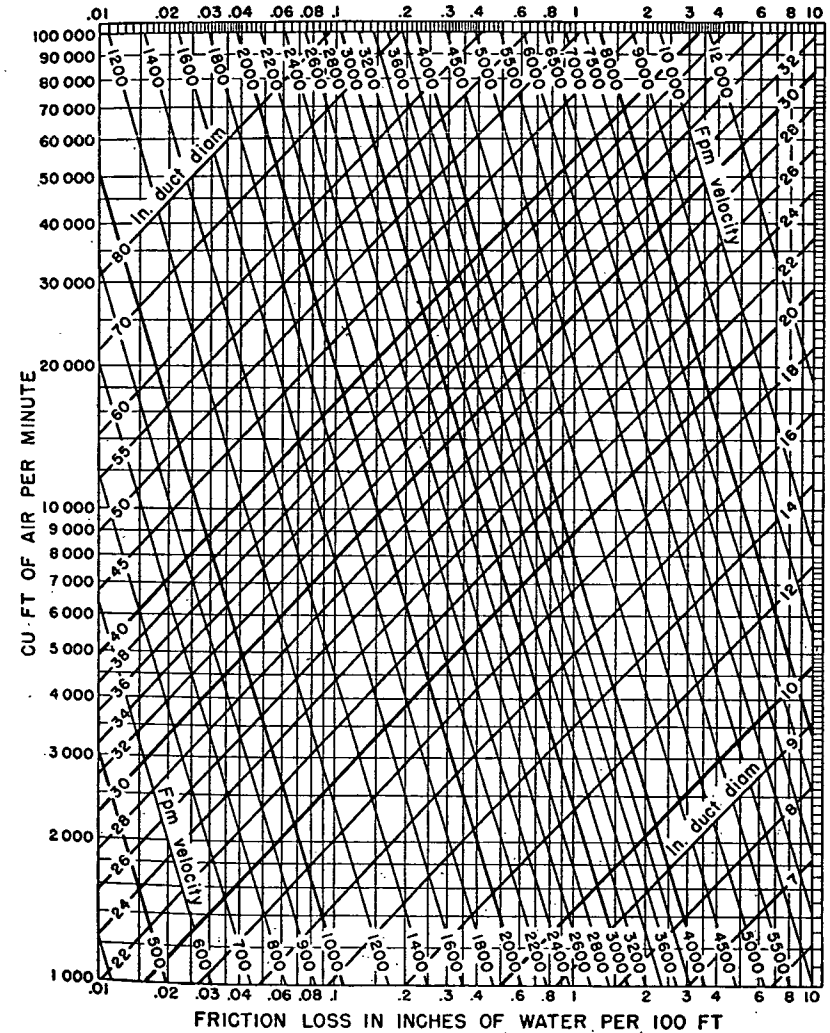


FIG. 3. FRICTION OF AIR IN STRAIGHT DUCTS

For Volumes of 1000 to 100,000 cfm

(Based on Standard Air of 0.075 lb per cu ft density flowing through average, clean, round, galvanized metal ducts having approximately 40 joints per 100 ft.)

factors may be obtained from Figs. 5 and 6. The correction factors shown in Fig. 5 were computed for the value of ϵ , the roughness in feet, shown in Table 1.³ Most ductwork today is fabricated from galvanized-iron or aluminum sheet metal, or flexible tubing. Fig. 6 presents in graphical form the recommended correction factors for aluminum ductwork.⁴ The correct friction loss for ducts of other than standard sheet-metal construc-