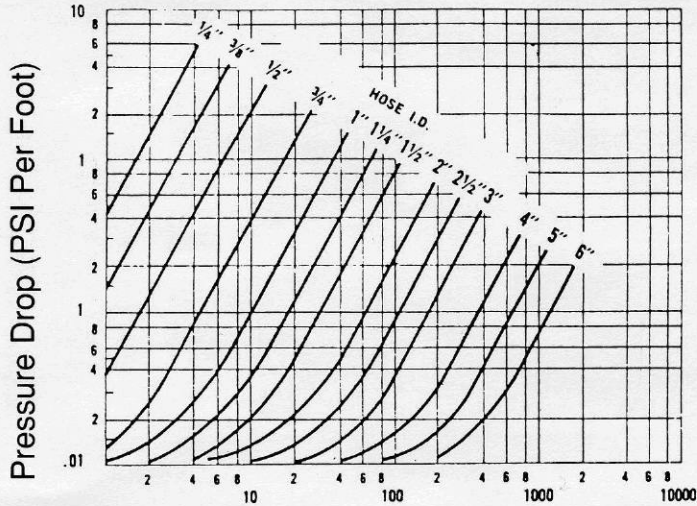


Technical Information (Pressure Drop)

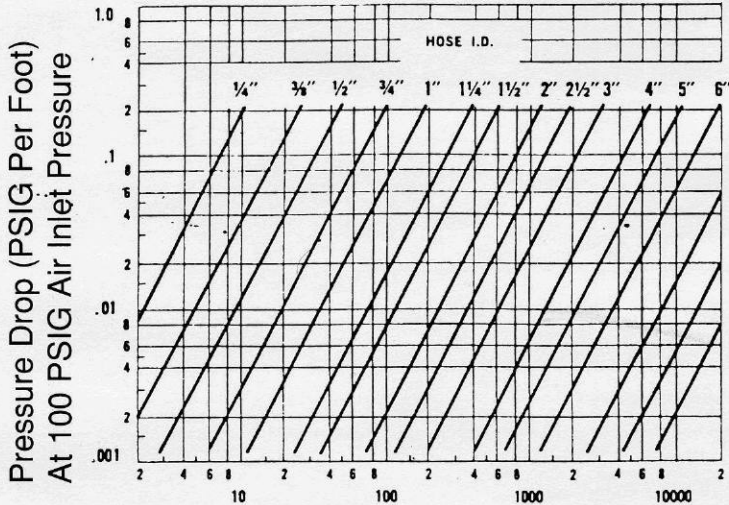
Pressure drop in a piping system is often a concern of the designer. Compared to rigid pipe, there is always a greater pressure drop in corrugated metal hose. The following graphs are offered as aids in estimating pressure drop in corrugated hose conveying water and air. The values derived are approximate and apply only to straight line installations. Bends and fittings can increase the pressure drop.

PRESSURE DROP GRAPH FOR WATER



Fluid Velocity (Gals. Per Minute) Water at 70° F

PRESSURE DROP GRAPH FOR AIR



Cubic Feet Per Minute of Free Air at 60° F

FOR AIR INLET PRESSURES OTHER THAN 100 PSIG:

$$P.D. = P.D. @ 100 \text{ PSIG} \left(\frac{100 + 14.7}{P + 14.7} \right)$$