

1.19 – Examples

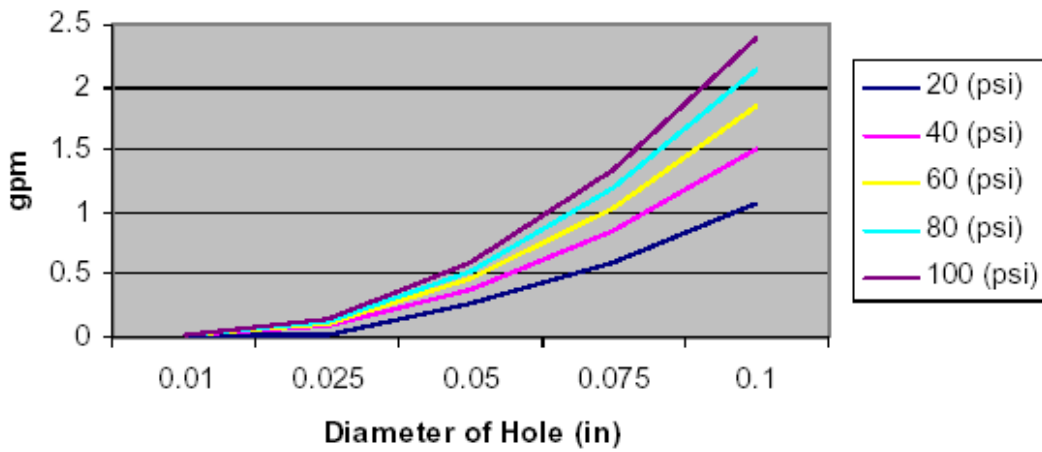
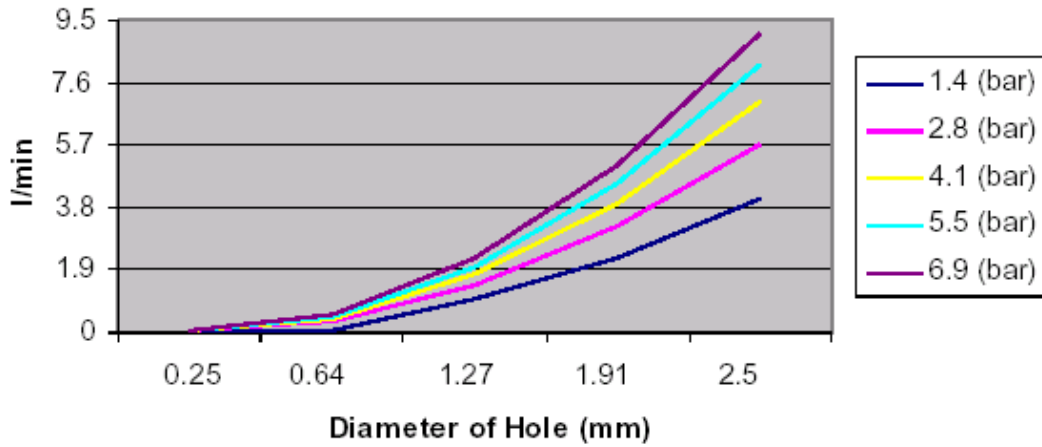
1.29-1 Measuring water losses

Bucket and stopwatch are simple and accurate measuring tools. To determine water losses collect a specified amount of process water for a specific period of time (for example ten litres in a minute).



Figure 1: The “bucket engineer”

Figures 2 and 3 below indicate the water losses to be expected at different pressures and with different hole diameters. Use this procedure during the company visit to demonstrate the volume of water losses due to open hoses, leaks, etc. Convert these losses into monetary units by multiplying the volume of lost water by the local water price.



in = inch
 gpm = gallons per minute
 psi = pound per square inch

Figures 2 and 3: Water losses at different pressures and hole diameters