

In a parallel pipeline system, it is essential to note that all styles of problems will require some form of iteration. Although not necessary in the practice problem, it is also crucial that there is some form of reference labeled. Energy losses should always be considered in these academic problems, as real-life losses will always be a requirement. It is important to label the Bernoulli's equations as one and two so that values for one Bernoulli's equation are not substituted for another. Parallel pipeline systems are not that different from series pipeline systems, the only difference is that parallel systems require at least two Bernoulli's equations. It might also be necessary to iterate more than one variable to solve for the correct value, this procedure was used for finding the friction factor in the practice problem. Although in the practice problem, Bernoulli's equations are similar, there are reasons for the minor differences due to the physics in the pipe changing between pipe one and pipe two.