

B13.1 PIPE FLOW CALCULATOR (for single pipelines)

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Basic Pipe Information:

NOTE: This information is common to all pipe calculations.

Select Flow Units: **GPM**

Select Pipe Type and Age or Construction: **PVC**

160 = Hazen-Williams Coefficient

Total Length of Pipe in Feet: **26,000** ft.

Pipe Diameter Cost Multiplier: **3.00** X diameter inch

Quick Pipe Sizing and Costs:

Note: This rough information does NOT carry over to any other sections of this model.

Enter the Desired Overall Total Loss of Head in Feet: **100** ft. or **43.3** PSI

Press a Button >>

I know the FLOW but need to find the PIPE SIZE

(OR)

I know the PIPE SIZE but need to find the FLOW

Desired Pipe Diameter: **18** inches
Flow Rate through Pipe: **4517.1338** GPM

Est. buried 18in. pipe installed cost/foot *: **54.00** \$ / foot Total Pipeline Cost Estimate: **1,404,000** \$

* The cost per foot is based on a general rough ESTIMATE of 3 times the diameter. The actual cost may vary for easy digging and increase for rock and pavement conditions. Do not use this number for bidding purposes or comparing bids. Conditions always vary!