



NAMCO's Sizing Guide will help you choose the correct pressure for your booster system. The first step is to determine if a booster system is needed. Using the chart in Figure 1, calculate the total head required. This will determine if a pumping station is needed on the site.

### Calculate Pressure Required

Total Height of building from pumps \_\_\_\_\_ (+) #1 \_\_\_\_\_ ft.  
(From pump to highest point for water)

Pipe pressure loss (8 ft. min. or 10% of static head) (+) #2 \_\_\_\_\_ ft.

Pressure Required @ top of building (81 ft. normal) (+) #3 \_\_\_\_\_ ft.

Total Head Required @ system discharge (Total 1-3) (+) #4 \_\_\_\_\_ ft.

Pumping system pressure loss (+) #5 \_\_\_\_\_ ft.

Total Head for system (Total #4 & #5) Subtotal #6 \_\_\_\_\_ ft.

Less Minimum Suction pressure (-) #7 \_\_\_\_\_ ft.

Suction lift (+) #8 \_\_\_\_\_ ft.

Total pump head required  
ft. head = Head in psig \_\_\_\_\_ PSIG = #9 \_\_\_\_\_ ft.  
2.31