Centrifugal Pump Data Worksheet

Complete worksheet then email to technicalsupport@munropump.com. We will respond to you with a recommended solution.

Name:	Company:	Phone:
Address:		Email:

GPM

Pumping Requirements
To size a pump, first figure total maximum flow rate in gallons needed. (For example: Irrigation system, household usage, etc.) _____GPM

Total Dynamic Head (TDH)

Suction Lift *(not applicable in a booster application)*
To determine suction lift, measure the vertical distance between the water level at the lowest point and the pump inlet. (Total measurement in feet) _____FEET

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Elevation Change
To figure elevation, measure the vertical distance from the pump inlet to the highest point in the system. (Total measurement in feet) _____FEET

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Friction Loss
Refer to friction loss charts to determine the following:
Pipe Size: Consult each "Velocity Ft Per Second" column at system GPM to locate 5' +/- 1' (4-6)
Optimum Pipe Size _____
Friction Loss: Note "Loss per 100 ft" at system GPM by pipe material. _____
Complete the following calculation.
Length of mainline pipe _____/100 = _____ units of loss
Loss per 100' _____ x _____ units of loss = _____ total friction loss _____FEET

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PSI - Pounds Per Square Inch
IF Booster Application:
(PSI required at the end of the largest zone _____ - incoming PSI _____) x 2.31 = _____ Feet
IF Suction Lift Application:
PSI required at the end of the largest zone _____ x 2.31 = _____ Feet. _____FEET

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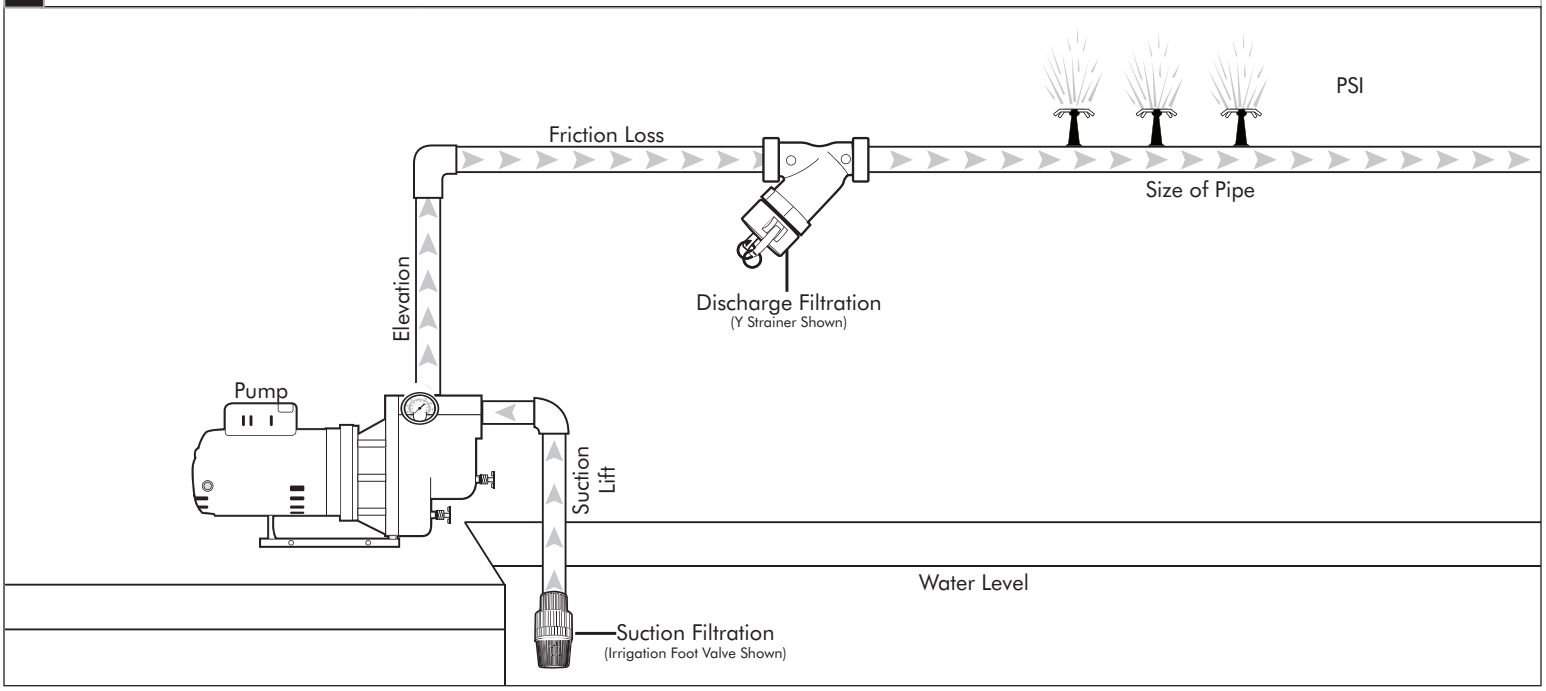
Total Dynamic Head (TDH)
Total the sum of suction lift, elevation change, friction loss, PSI. This total equals TDH in feet. _____TDH

Specs

Electrical Power Available at Pump Location					Filtration	Alternate Methods to Power Pump
Voltage:	☐115 Volt	☐208 Volt	☐230 Volt	☐460 Volt	☐Suction	☐Gasoline Engine
Phase:	☐Single Phase	☐Three Phase			☐Discharge	☐Diesel Engine

H2O

Water Source
☐Suction from Pond, Lake or Ditch ☐Pump in Well ☐Flooded Suction ☐Harvested Water ☐Incoming Pressure ____psi



(Boost application not shown)

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