

Centrifugal Pump Data Worksheet

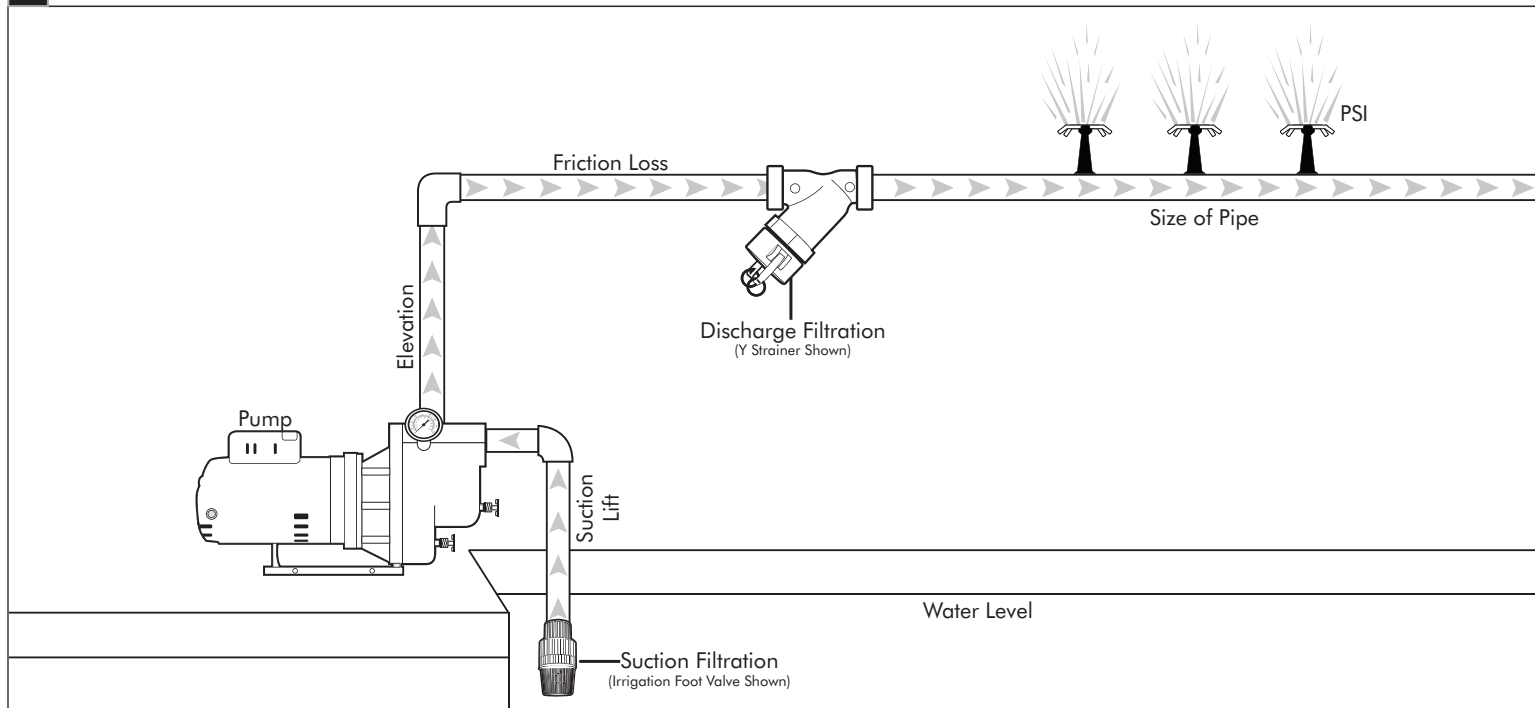
Complete worksheet then email to technicalsupport@munropump.com. We will respond to you with a recommended solution.

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 <i>(not applicable in a booster application)</i> 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
	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
	Friction Loss Refer to friction loss charts to determine the optimal pipe size. Pipe Size: Consult each "Velocity Ft Per Second" column at system GPM to locate a maximum of 5'. Friction Loss: Determine "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
	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
	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 Voltage: <input type="checkbox"/> 115 Volt <input type="checkbox"/> 208 Volt <input type="checkbox"/> 230 Volt <input type="checkbox"/> 460 Volt Phase: <input type="checkbox"/> Single Phase <input type="checkbox"/> Three Phase	Filtration <input type="checkbox"/> Suction <input type="checkbox"/> Discharge	Alternate Methods to Power Pump <input type="checkbox"/> Gasoline Engine <input type="checkbox"/> Diesel Engine
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H2O	Water Source <input type="checkbox"/> Suction from Pond, Lake or Ditch <input type="checkbox"/> Pump in Well <input type="checkbox"/> Flooded Suction <input type="checkbox"/> Harvested Water <input type="checkbox"/> Incoming Pressure _____ psi
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(Boost application not shown)