

# Centrifugal Pump Data Worksheet

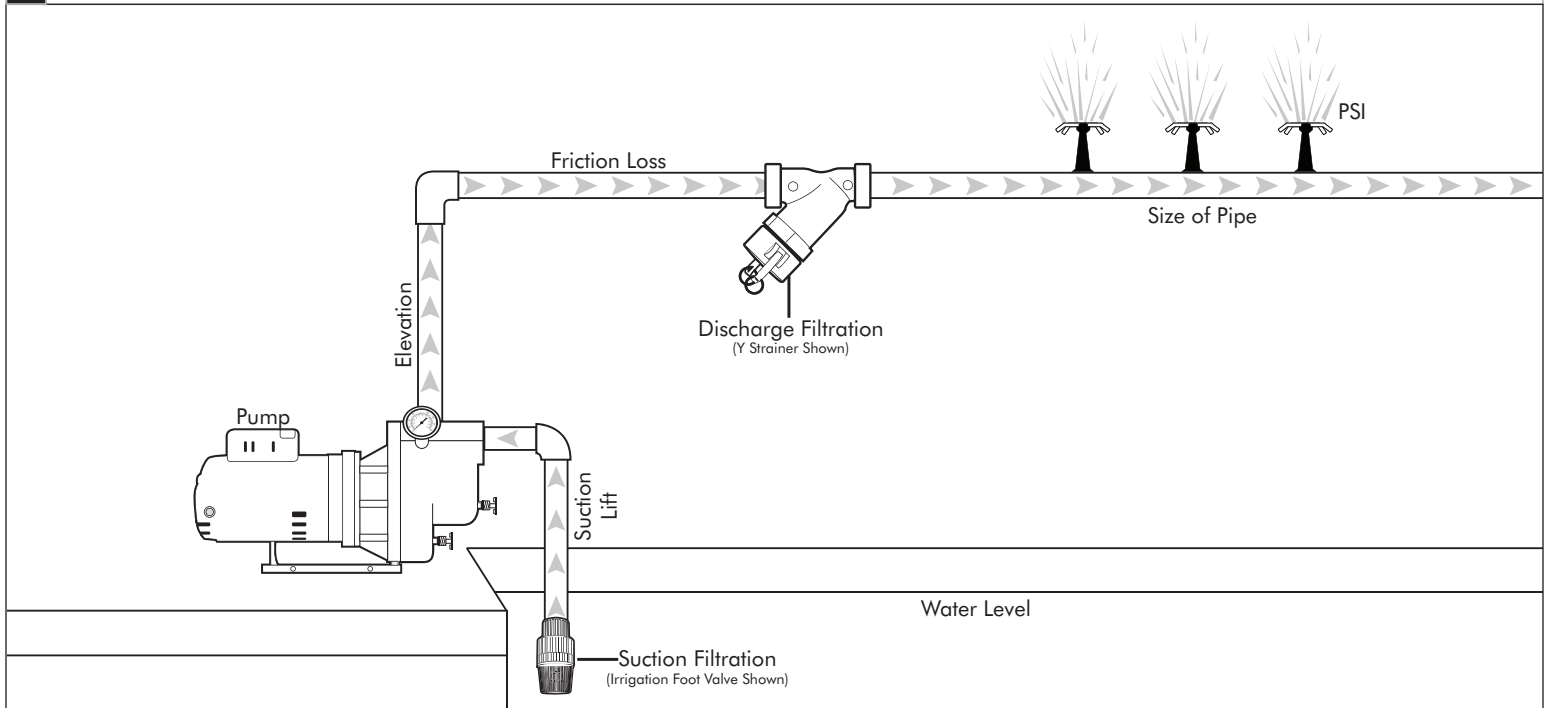
Complete worksheet then email to [technicalsupport@munropump.com](mailto:technicalsupport@munropump.com). We will respond to you with a recommended solution.

Name:	Company:	Phone:
Address:	Email:	

GPM	<b>Pumping Requirements</b> 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)	<b>Suction Lift</b> <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
		<b>Elevation Change</b> To figure elevation, measure the vertical distance from the pump inlet to the highest point in the system. (Total measurement in feet)	_____ FEET
		<b>Friction Loss</b> Refer to friction loss charts to determine the following: Pipe Size: Consult each "Velocity Ft Per Second" column at system GPM to locate a maximum of 5'. 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
		<b>PSI - Pounds Per Square Inch</b> 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
<b>Total Dynamic Head (TDH)</b> Total the sum of suction lift, elevation change, friction loss, PSI. This total equals TDH in feet.		_____ TDH	

Specs	<b>Electrical Power Available at Pump Location</b>	<b>Filtration</b>	<b>Alternate Methods to Power Pump</b>
	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	<input type="checkbox"/> Suction <input type="checkbox"/> Discharge	<input type="checkbox"/> Gasoline Engine <input type="checkbox"/> Diesel Engine

H2O	<b>Water Source</b>
	<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



(Boost application not shown)