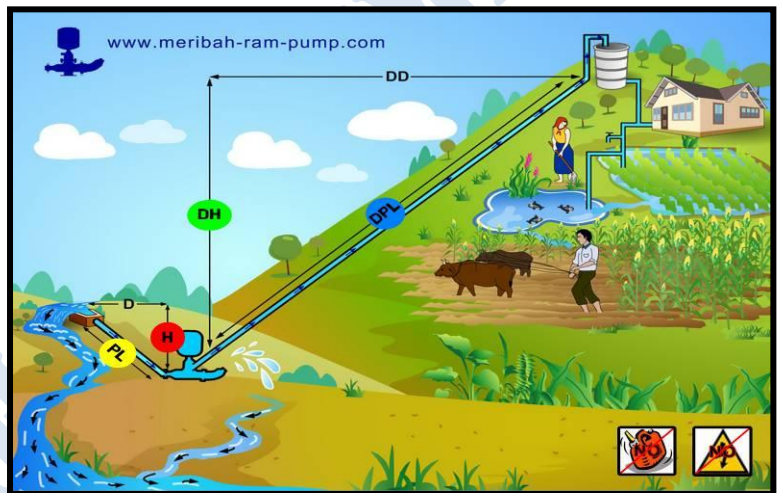


MERIBAH RAM PUMP®

Site Survey & Measurement Manual

The first step to do is a site survey to know if your pump site is qualified for the operation of our MRP®. Step two is to choose which Meribah Ram Pump® is required for your needs to get the best results.

- Most important on the pump site you choose there must be a slope from the water source to the ram pump.
- After that the amount of water from the source (check it in liters per minute with a 1 inch and a 2 inch pipe).
- The high difference between water source and the place of the pump (this should be precisely in meters).
- The length from the water source to the pump (also in meters).
- How high is the point of your storage tank you want to pump up the water?
- How far is the distance to the storage tank (also roughly calculated)?
- Also important is the amount of water you want to get for your needs (in liters in minute).



check list

data we need for the right pump and site calculation

water available for the MRP® operation

_____ in liters per minute

high difference between the water source and the pump (H)

_____ in meters

length between water source and the pump (PL)

_____ in meters

high difference between the pump and the storage tank (DPL)

_____ in meters

length between the pump and the storage tank (DH)

_____ in meters

amount of water you need

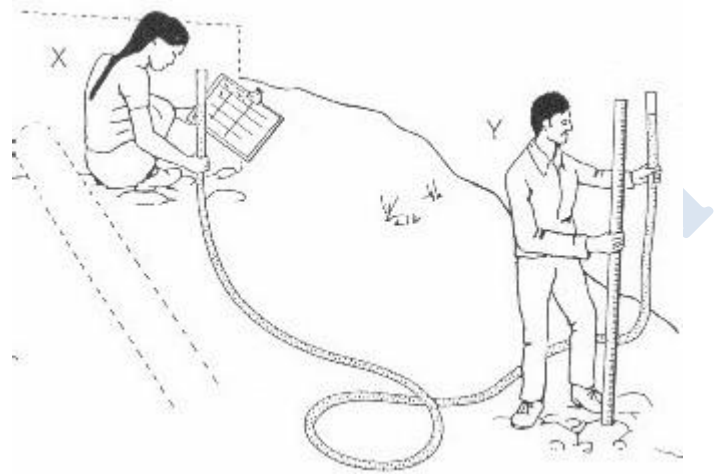
_____ in liters per minute

When you get all the data required for the calculation of your pump site send us back this filled in form for choosing the right configuration. Also if you need any advice give us a call or write an email info@meribah-ram-pump.com

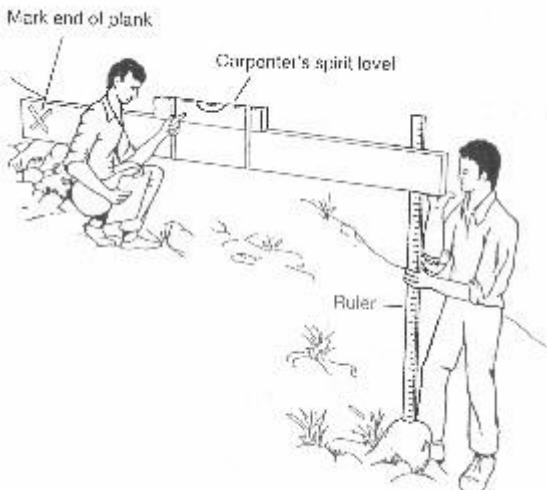
Methods of head (H) and delivery high (DH) measurement without specialist equipment

1.) Water-filled tube method

Use a clear hose, fill it complete with water.
Take one end to the water source and the other end to the place you want to measure out.
Use a measure stick or tape and level out the hose without overflowing.
Mark the water level on your stick and you get the exact high difference between the water source and the place for the pump or collection tank.
Repeat this method for longer distances.



2.) Plank (or string) and spirit level method



For this method you need also measure tape or stick, a plank or string and a spirit level.
Take the end of the plank on the position of the water source.
Put the spirit level on top of the plank and level out a straight line to the measure stick.
Then you have also a exact value of the high difference.
If you have a long distance, mark every point you measure out and repeat the steps till you get the whole distance.

3.) Sum the measurements to obtain

At least count the values together you measured out.
You get the complete available Head (H) or the Delivery High (DH) for operating the pump.
This is an easy and cheap way for a really exact site survey.

Now measure out the length for the Drive Pipe (PL) and the Delivery Pip Length (DPL).
Also required is the flow available at the water source.

If you need any advice or help, call us or write an email.
Contact data are on the front page or on the web www.meribah-ram-pump.com

