

IMPORTANT NOTES :

- 1 Install proper size of pipes as recommended.
- 2 To avoid Elbow Suction & Delivery pipeline. (bend only used)
- 3 Reduce number of bends in delivery pipe line.
- 4 Do not use more than one bend in suction line.
- 5 Use ISI Marketed Friction less foot valves.
- 6 For pumps having 25x25 pipe sizes do not use 20 mm or 12.7 mm for delivery It will affect the performance of the pump due to pipe friction.
- 7 To avoid over loading select proper pumps by the help of our performance chart
- 8 To avoid over loading and cavitation install suction lift within 10 to 17 feet.
- 9 Use 1.5Sq mm copper wire for ½ HP, 2.5Sq mm copper wires for 1 HP and 4.0Sq mm copper Wires for 1.5 HP and 2 HP Monobloc Pumps.
- 10 Cable used as per our cable selection chart.

TOTAL HEAD CALCULATION:

Total Head = suction Head + Delivery Head

Suction Head calculation = Suction vertical Height (From Foot valve to Pump Centre) + Horizontal pipe line used + No of Bend (or) Elbow used in suction pipe line

Delivery Head calculation = Delivery vertical Height (From Pump Centre to Over head Tank) + Horizontal pipe line used + No of Bend (or) Elbow used in Delivery pipe line + NRV

Example :-

- Suction Head calculation
- Suction vertical Height ---
 - Horizontal pipe line used ---
 - No of Bend ---
- Delivery Head calculation
- Delivery vertical Height ---
 - Horizontal pipe line used ---
 - Horizontal Height difference ---
 - No of Bend ---

Actul Runnin	Head Conversion Feet
10 Feet	10 Feet
5 Feet (2%) of running feet	1 Feet
3 Nos (1 Bend = 1 Feet)	3 Feet
27 Feet	27 Feet
50 Feet (2%)	1 Feet
7 Feet	7 Feet
5 Nos (1 Bend = 1 Feet)	5 Feet
Actul Total Head ----	54 Feet