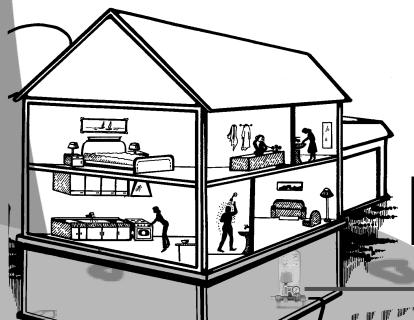


2190 Dagenais Ouest LAVAL (QUÉBEC) CANADA H7L 5X9

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## **DEEP WELL SUBMERSIBLE PUMP SIZING**

## info@burcam.com



INFORMATIONS REQUIRED

- A = Depth of well
- B = Well recovery capacity (flow)
- C = Standing water level
- D = Drawdown during pumping at well recovery capacity

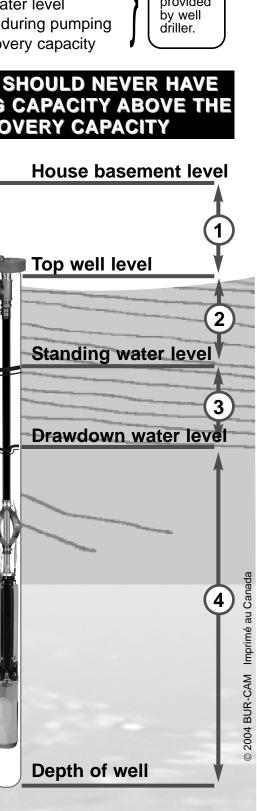
Consult well log provided by well

THE PUMP SHOULD NEVER HAVE A PUMPING CAPACITY ABOVE THE WELL RECOVERY CAPACITY

- 1 = Vertical distance from top of well to tank location.
- 2 = Vertical distance from top of the well to standing water level.
- 3 = Vertical distance from standing water level to drawn down water level.
- 4 = Vertical distance from drawdown water level to depth of well (Submergence)

## GENERAL STANDARDS FOR DOMESTIC APPLICATION

- 5 to 10 Gallon per minute are required (300 to 600 GPH) Preferably 5 Gallon per minute if well recovery capacity is unknown
- Consider 1 GPM per water fixture without going over well recovery capacity
- To eliminate excess of friction loss, never use a pipe smaller than 1". Preferably, install the next pipe size.
- The friction loss of a 1 1/4" pipe is 25% of a 1" pipe. Investing in a 1 1/4" pipe has many benefits.
- Each PSI lifts water up to 2.31 feet. 20 PSI are required to lift water to a level of 46 feet.
- A 20/40 PSI pressure switch is adequate for a bungalow.
- A 30/50 PSI pressure switch is adequate for a 2 storey house





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