

Q) What are the main differences between clean water, semi-trash and trash pumps?

A) Seals and impellers and the main differences. Clean water pumps typically have a carbon ceramic mechanical seal versus the silicon carbide mechanical seals found on semi-trash and trash pumps. The impeller design is also quite different on a trash pump, its typically a 2-vane design versus a 4-vane design to allow for larger particulate to flow through.

Q) How do I know which type of pump to purchase?

A) It really depends on the condition of the water you need to pump. If the water is sandy, muddy (abrasive) or has small particulates, you should purchase a semi-trash or trash pump. If the water you intend to pump is always clean like a swimming pool, hot tub or water garden, a clean water pump would be fine.

Q) How do I know what size of pump to I need?

A) It all depends on how much water you need to pump and how quickly you need to pump it. A pumps performance is determined by many factors such as atmospheric pressure (how high the pump is above sea level) resistance from hoses etc... A pumps performance is measure in flow and expressed in gallons per minute or gallons per hour. The higher the flow the better the performance.

Q) Are there limitations as to how high you can place the pump from the water source?

A) Yes, the maximum vertical suction lift on CW10K, CW20, ST20-S, and T20-S pumps is 26' above the water source in standard conditions.

Q) Are there limitations as to how high you pump water from the source?

A) Yes, the maximum head lift is CW10K = 100ft, CW20 = 108ft, ST20-S = 108ft and T20-S = 185ft in standard conditions

