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Guidelines for Installation of Variable Speed Pumps

1. Prior to any installation, plans must be submitted to our Department.
2. For installation on new pool construction, the plumbing and equipment must be sized to accommodate the maximum flow of the pump at 60 feet of head at the highest rpm.
3. For existing pools, installation will be allowed only when plumbing and equipment is sized to accommodate the maximum flow of the pump at 60 feet of head at the highest rpm.
4. A new flowmeter must be installed.
5. The pump’s lockout flowrate and timer must be set to provide at least the minimum required turnover rate and length of time the pump is running which is whenever the pool is open for use and any additional time to maintain the pool water clean and clear.
6. The minimum required flowrate for the pool must be labeled somewhere on the pump.

Installation of IntelliFlo pumps will be approved under the following conditions. There are two types of IntelliFlo pumps. The VF, which stands for variable flow, and VS which stands for variable speed. Only the VS has the SVRS (suction vacuum release system) built in.

IntelliFlo VF

1. For the IntelliFlo VF pump the flow rate (RPM) is set at the factory. When a plan check is submitted for this pump, the contractor must submit paperwork from the manufacturer that specifies the serial number of the pump and what flow rate at 60 ft. of head the pump has been set at.
2. The plumbing and equipment must be sized to accommodate the pump’s maximum flow at 60 feet of head set by the factory.

IntelliFlow VS + SVRS

1. Installation of this pump will only be allowed when the plumbing size of the suction line is at least 3” and the plumbing size of the return line is at least 2 ½ “. These are the pipe sizes needed to accommodate the maximum flowrate of this pump.