



General Installation Recommendations

Choosing Pump Location

Locate the pump as close to the liquid source as practical so the suction pipe is short and direct with a minimum of elbows, fittings and valves.

Place the pump in a location so the unit is accessible for inspection during operation as well as for maintenance operations involving removal and disassembly.

Foundation

The foundation should be strong enough to absorb any vibration and to form a permanent support for the baseplate. This is important in maintaining the alignment of the direct connected unit. Foundation bolts of the proper size should be embedded in the concrete located by the outline drawing.

Alignment

The pump and motor are aligned at the factory before shipment. However, realignment is necessary after the complete unit has been installed. Guidelines for checking and aligning the pump components may be found in the Hydraulic Institute Standards.

Piping

Both suction and discharge pipes should be supported independently near the pump so when the flange bolts are tightened no strain will be transmitted to the casing.

A check valve should be installed in the discharge line to prevent fluid from flowing back through the pump while it is shut down. Gate valves should be installed in both discharge and suction lines to isolate the pump during maintenance.

Care must be taken in sizing and locating suction piping to prevent cavitation.

Ordering Information

Wilfley pumps are engineered to operate in compliance with your specifications. Careful evaluation of pumping conditions is needed to provide accurate pump recommendations and quotations.

This list will help establish specific pumping system conditions.

- Liquid
- Temperature
- Static Head
- Discharge Pipe Size
- Length, Discharge Pipe
- Discharge Pipe Fittings
- Equivalent Length Discharge Pipe
- Total Head
- Maximum Suction Pressure
- Minimum Suction Pressure
- Capacity
- Specific Gravity
- % Solids by Weight
- Mesh Analysis
- Viscosity
- NPSH Available

