LAKOS
Separators and Filtration Solutions

PPS Worksheet

Specifying LAKOS PPS Series Pump Protection Separators

Each model of LAKOS Pump Protection Separators (PPS) is engineered for a *specific flow range* and with concern for certain restrictions. It is therefore essential to use accurate application data.

This worksheet must be filled out completely, signed where indicated and returned to LAKOS *before any order can be shipped.* Contact your LAKOS representative if you require assistance.

Required Data (actual field conditions)

Maximum flow rate of pump: _____

Minimum flow rate of pump: _____

Minimum inside diameter (I.D.) of well: _____

Depth of well: _____

Depth of pump inlet: _____

Pumping water level: _____

Submergence: _____
(To obtain: subtract pumping water level from depth of pump inlet.)

If sizing a submersible pump, the following data is also required:

Maximum diameter of pump: _____

Maximum diameter of motor: _____

Overall length of pump and motor: _____

Pump's riser size (N.P.T.): _____

LAKOS Recommendations

Separator: _____

Shell: _____

For complete shells, allow 1 week lead time. Shell weld kits available and can ship next day. (Shell weld kit includes: Bottom part of shell that connects to separator and top part of shell with riser.) Customer to provide enclosure pipe for shell.

Bottom Shell Weld Kit: _____

Top Shell Weld Kit: _____

Suggested Pipe Length: _____
(Pipe to be provided and welded by customer.)

Important

- Note required minimum submergence of separator.
- Maximum particle concentration: 1,000 ppm
- Maximum particle size: 1/4-inch (6.3 mm)
- Extended tail pipe recommended for prolonged pumping periods instead of a flapper valve
- Head loss: Typically 9-14 feet (2.7-4.3 m)
- Minimum depth of well below separator: 30 feet (9.2 m)

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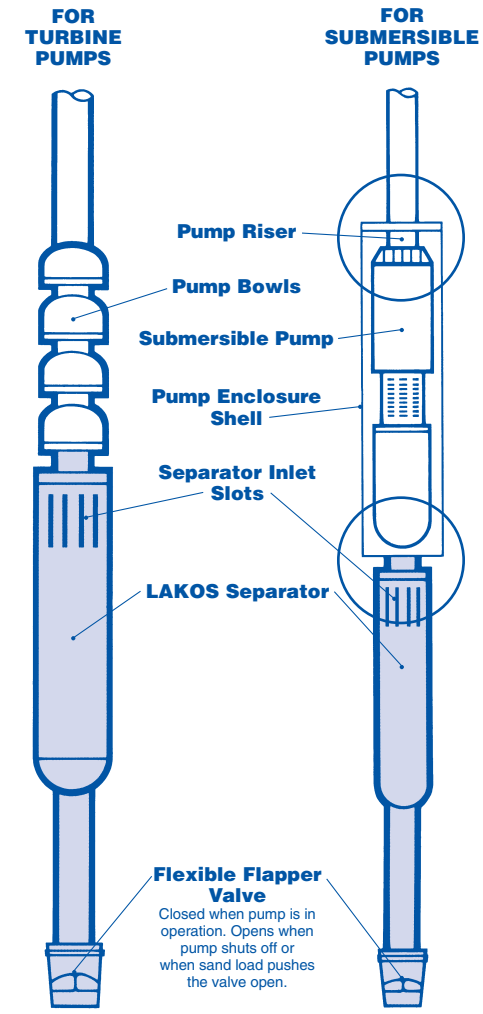

Optional Shell Weld Kit

Top With Pump Riser Connection

Requires customer-provided pipe at proper diameter and length, welded to top and bottom parts.

Bottom with Separator Connection

PLEASE SIGN HERE

The "Required Data" provided on this worksheet is true and accurate for purposes of sizing a LAKOS Pump Protection Sand Separator in a water well application. I understand any errors or subsequent changes in this data may substantially affect performance and may void any warranty, either implied or expressed.

_____
Signature

_____
Company

_____
Telephone No.