Each model in the LAKOS Pump Protection Series (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

Maximum operational flow rate: __________________________
Minimum operational flow rate: __________________________
Minimum inside diameter (I.D.) of well: ___________________
Depth of well: _________________________________________
Depth of pump inlet: ___________________________________
Pump operational water level: _____________________________
Submergence: _________________________________________
(To obtain: subtract pumping operational 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: _________________________________
Overall length of 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 flapper valve
- Head loss: Typically 9-14 feet (2.7-4.3 m)
- Minimum depth of well below separator: 20 feet (6.1 m)