

# Which Filtration Solution Is Right For Me?



# 1

## Protect Pump and Extend Pump Life

*LAKOS Sub-K and PPS Pump Protection*

- Reduce pump breakdowns /downtime
- Reduced repairs, extended pump life
- Reduce energy costs



# 2

## Remove Sand From Water

*LAKOS Sandmaster and Sandmaster Plus Centrifugal Separators*

- Eliminate sand and silt that clog faucets, appliances, sprinklers
- Removes high volume of particles
- No screens or cartridges to clean or replace



# 3

## Light Fine Solids Removal

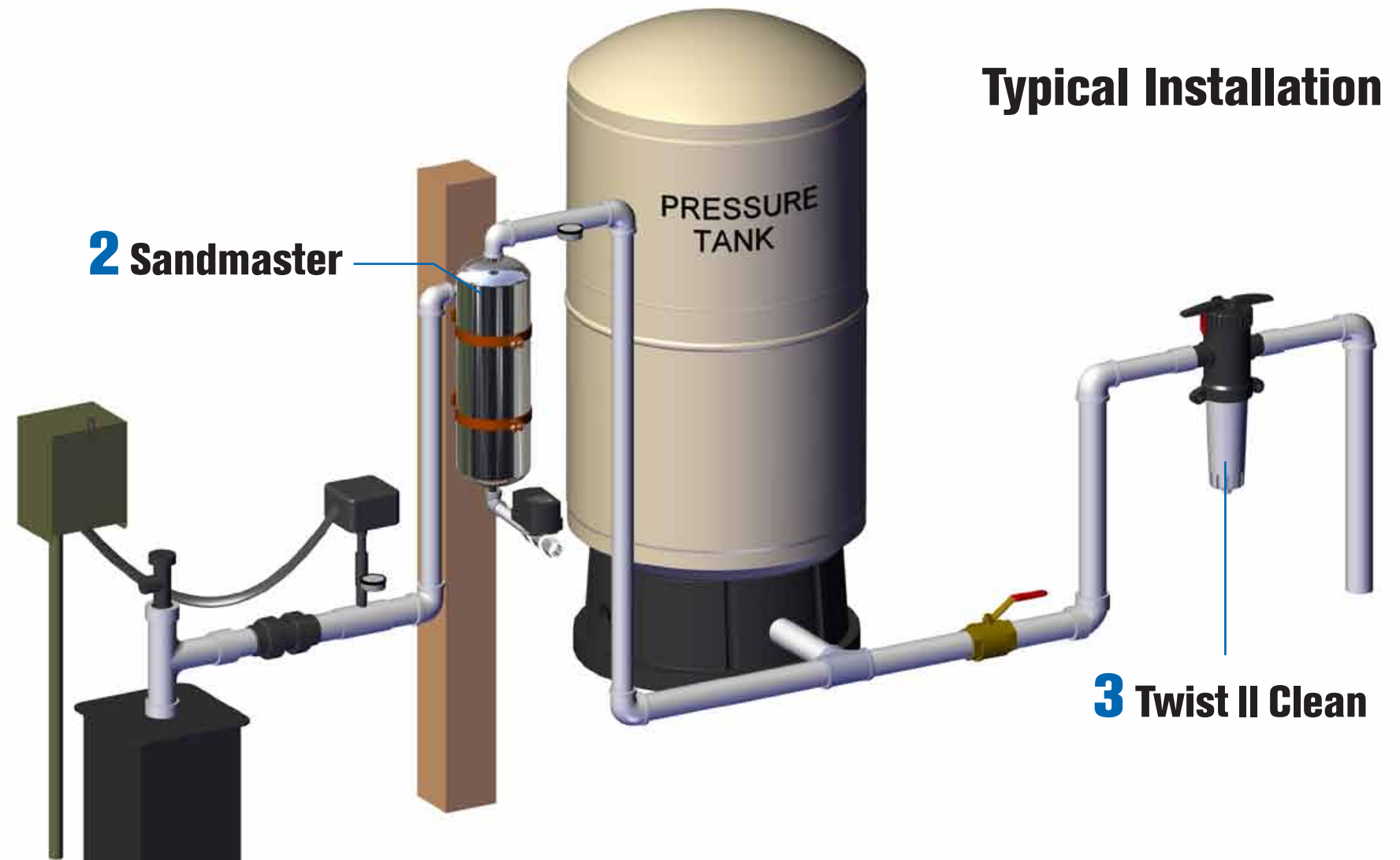
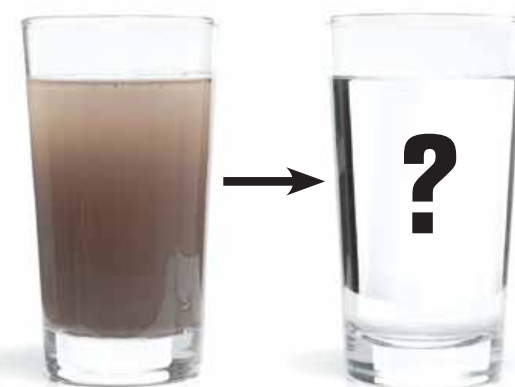
*Twist II Clean Spin-Down Filter with Easy Flush Action*

- For moderate amounts of contamination
- Protect specific devices or irrigation system
- Multiple mesh sizes available for differing contaminants

### How to Diagnose Your Filtration Needs?

#### Perform The 3-Minute Settling Test

A simple approach to understanding which types of solids are removed by a LAKOS Centrifugal Separator is to think of them as "settleable solids". In other words, the solids (sand, dirt, etc.) that are heavy enough to settle in the bottom of a drinking glass in less than 3 minutes. Everything that settles in less than 3 minutes (2 minutes for Sub-K) can usually be removed by a single pass through a LAKOS Centrifugal Separator.



2 Sandmaster

PRESSURE TANK

Typical Installation

3 Twist II Clean

### Solve Your Problems With A LAKOS Filtration Solution

Contamination	Symptoms	Recommended Solution
Sediment (sand, silt, rust and scale) in well	<ul style="list-style-type: none"> <li>• Wear to pump impellers and bearings requiring frequent expensive replacement</li> <li>• Excessive energy usage</li> </ul>	Install LAKOS Sub-K Pump Protection Separator on suction of submersible pump
Sediment (sand, silt, rust or scale) pumped from well	<ul style="list-style-type: none"> <li>• Clogged faucet aerators / screens</li> <li>• Plugged screens on home appliances</li> <li>• Malfunctioning or worn sprinkler nozzles</li> <li>• Fouled water conditioning equipment</li> <li>• Inefficient operating water heaters</li> <li>• Worn pumps leading to excessive repair and high energy costs</li> <li>• Unscheduled shutdowns for maintenance</li> </ul>	Install LAKOS Sandmaster Centrifugal Sand Separator for residential domestic water between pump and pressure tank. Models available in stainless or carbon steel.  (For high-flow/high-pressure installations exceeding 150PSI or 70GPM, select LAKOS ILS/ILB Centrifugal Sand Separator)
Moderate Sediment (sand, silt) and/or Organics	Clogging of water fixtures, aerators, appliances and lawn irrigation systems	Install LAKOS Twist II Clean Sediment Screen Filter (Spin-Down with patented flushing action)

1 Sub-K

Need help selecting a solution for your filtration dilemma?

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**LAKOS**  
Separators and Filtration Solutions