How to determine actual flow rate for sizing a LAKOS SandMaster Separator

1. Run an open faucet until the pump turns on to re-fill pressure tank completely. Wait until pump shuts off.
2. With no water running elsewhere, open a faucet and drain water into a 5-gallon bucket and measure total gallons collected. Empty and refill as necessary.
3. Count the time it takes in minutes for the pump to re-fill the system.
4. Calculate the flow rate by dividing the total gallons by the number of minutes it takes to refill the system. Example: 32 gallons divided by 2.5 minutes = 12.8 gpm
5. Find your flow rate and model in the chart below. Don't oversize or use pipe size for model selection.

Specifications

Model	Flow Range		Inlet/Outlet Size	Dry Weight		Weight With Water	
	U.S. gpm	liters/min	Male, N.P.T.	lbs.	kg	lbs.	kg
H2O-05 SMP-05	5-10	19-38	1/2"	7	4.0	17	7.7
H2O-10 SMP-10	10-20	38-76	3/4"	8	4.0	17	7.7
H2O-20 SMP-20	20-32	76-120	1"	13	6.0	34	15.4
H2O-30 SMP-30	30-48	114-182	1-1/4"	13	6.0	34	15.4
H2O-45 SMP-45	45-70	170265	1-1/2"	13	6.0	34	15.4

Which LAKOS SandMaster to choose

LAKOS H2O Separators are made of mild steel and recommended for chemical-free water with a neutral pH (7.0-7.5).

LAKOS SMP Separators are made of 304L stainless steel and are recommended if sulfides, chlorides, or any signs of rust or corrosion are in your water.

H2O-05 Sandmaster, H2O-10 Sandmaster, H2O-20 Sandmaster, H2O-30 Sandmaster, H2O-45 Sandmaster

SMP-05 Sandmaster, SMP-10 Sandmaster, SMP-20 Sandmaster, SMP-30 Sandmaster, SMP-45 Sandmaster

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LS-991 (Rev. 4/16)

Spin the Sand Out!

No screens or cartridges

No parts to replace

No messy cleaning routines

LAKOS
A LINDSAY COMPANY

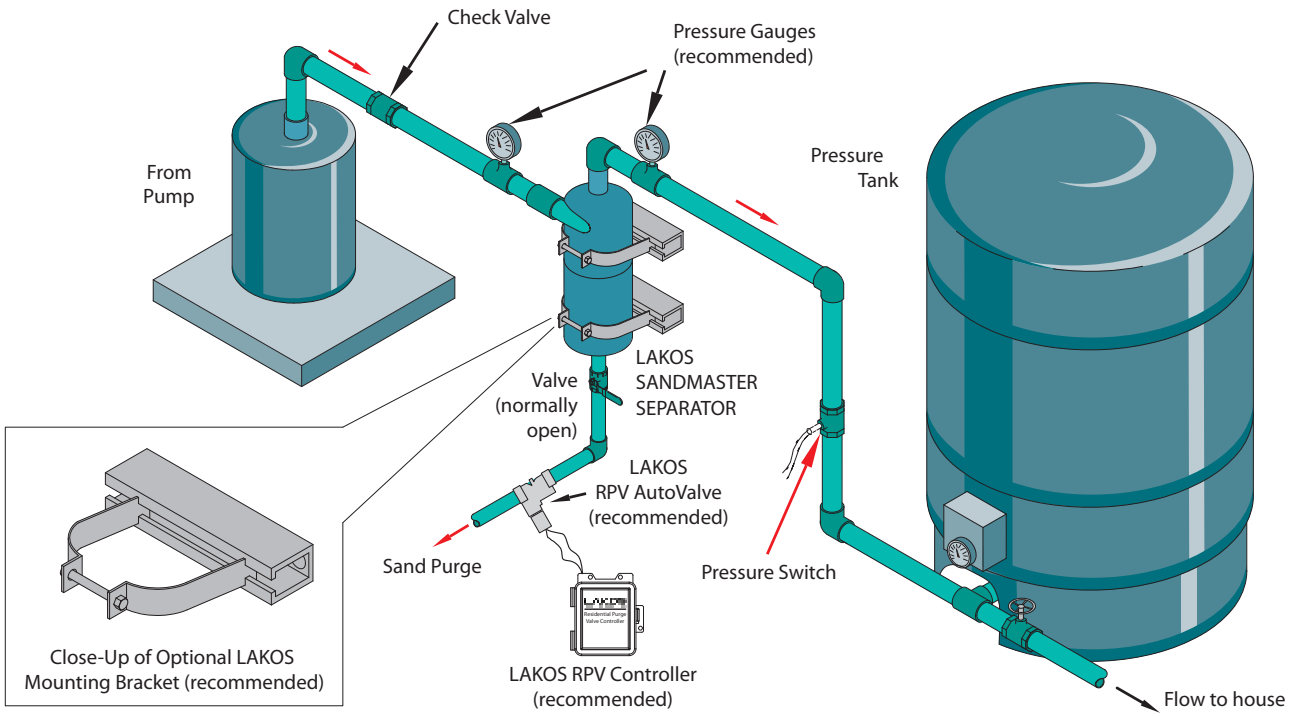
The better way to keep sand out of your water well system

Centrifugal action removes sand & settleable particles

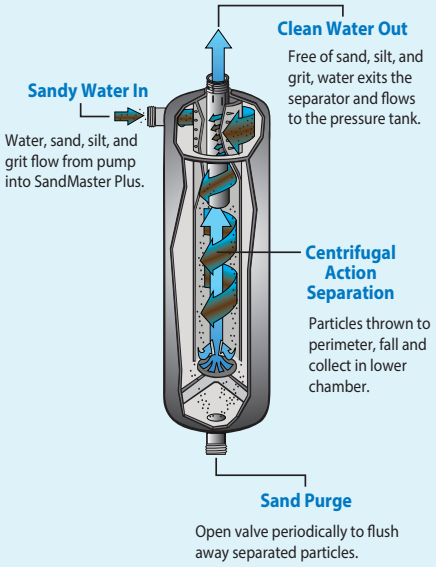
Instead of cleaning filters or replacing cartridges because of excessive sand & sediment, put a LAKOS SandMaster to work for you. Gets out any particles that settle in a still jar of water within 3 minutes or less. Better than traditional filters. Great pre-filter for water treatment or finer filters. Perfect for sand, sediment, scale, etc.

Easy to install

Installs between the check valve and pressure tank. Won't affect system pressure loss (which comes from pressure tank, not from pump).



IMPORTANT: Install SandMaster between the check valve and pressure tank.



How it works

Creates centrifugal action from your pump's actual flow to spin troublesome particles out of the water. No effect on system pressure loss. Minimal water loss when flushing. Add the optional automatic valve for maintenance-free, set-and-forget convenience. See back cover for determining a pump's actual flow rate.