WEIL Stainless Steel Pumps Index

Submersible, Vertical, & Grinders, Slicers and Vortex Movers

Overview - Weil Pump Company's line of Vertical, Submersible and Vortex Stainless Steel pumps are constructed of 316 stainless steel components for increased longevity and reliability, making it the perfect pump for severe and corrosive environments.

Submerisble Pumps - Arranged by pump type then Discharge size

	Model	Discharge Size	Discharge Type	Solids Size	Mount Style	Pump Type	Impeller Nom	Impeller Type	Max HP 1150 RPM	Max HP 1750 RPM	Max HP 3500 RPM
►	**1618 S**	1 1/4	NPT	1/2	Floor	Sump	6	Semi-Open	- -	3/4	- -
	1619 S	1 1/2	NPT	1/2	Floor	Sump	6	Semi-Open	- -	3/4	- -
	1434	2	NPT	1/4	Floor	Sump	5	Semi-Open	- -	- -	1
	1601 S	2	NPT	1/2	Floor	Sump	7	Semi-Open	3/4	2	- -
	1607 S	2	ANSI	1/2	2613	Sump	7	Semi-Open	3/4	2	- -
	1621 S	2	NPT	3/4	Floor	Sump	5	Enclosed	- -	- -	5
	1622 S	2	ANSI	3/4	2613	Sump	5	Enclosed	- -	- -	5
►	**1603 S**	3	NPT	1 1/4	Floor	Sump	10	Semi-Open	5	15	- -
►	**1620 S**	3	NPT	1	Floor	Sump	10	Enclosed	5	15	- -
►	**1632 S**	3	ANSI	1	2613	Sump	10	Enclosed	5	15	- -
►	**1633 S**	3	ANSI	1 1/4	2613	Sump	10	Semi-Open	5	15	- -
►	**1629 S**	4	NPT	1	Floor	Sump	10	Enclosed	5	15	- -
	2516 S	2	ANSI	1 1/2	2613	Grinder	7	Semi-Open	- -	1.5	6
►	**2526 S**	2	NPT	1 1/2	Floor	Grinder	7	Semi-Open	- -	1.5	6
	2549 S	2	NPT	2	Floor	Sewage	7	Semi-Open	- -	3	- -
►	**2554 S**	2	ANSI	2	2613	Sewage	7	Semi-Open	- -	3	- -
►	**2557 S**	2	ANSI	2	2613	Sewage	7	Semi-Open	- -	- -	5
	2515 S	2 1/4	ANSI	2 1/4	2613	Sewage	7	Semi-Open	1.5	5	- -
	2520 S	3	ANSI	2 1/2	Floor	Sewage	9	Semi-Open	- -	10	- -
►	**2545 S**	3	NPT	2 1/4	Floor	Sewage	7	Semi-Open	1.5	5	- -
►	**2562 S**	3	ANSI	2	2613	Sewage	7	Semi-Open	- -	- -	5
►	**2564 S**	3	ANSI	2 1/2	2613	Sewage	9	Semi-Open	- -	10	- -
►	**2517 S**	4	ANSI	2 1/4	2613	Sewage	7	Semi-Open	1.5	5	- -
►	**2519 S**	4	ANSI	3	2613	Sewage	9	Enclosed	5	15	- -
►	**2523 S**	4	ANSI	2 1/2	2613	Sewage	7	Semi-Open	1.5	5	- -
	2575 S	2	NPT	2	Floor	Vortex	7	Semi-Open	- -	1 1/2	5
	2572 S	2	ANSI	2	2613	Vortex	7	Semi-Open	- -	1 1/2	5
	2576 S	3	NPT	2	Floor	Vortex	7	Semi-Open	- -	1 1/2	5
	2573 S	3	ANSI	2	2613	Vortex	7	Semi-Open	- -	1 1/2	5
►	**2574 S**	4	ANSI	2	2613	Vortex	7	Semi-Open	- -	1 1/2	5
►	**2534 S**	4	ANSI	3	2613	Slicer	7	Semi-Open	1	5	- -

Construction Guide

Construction	pH
All Cast Stainless Steel	14, 13, 12, 11, 10
Cast Iron	9, 8
Cast Iron + Bronze Impeller	7, 6
Black Epoxy Chemical Cable Stainless Impeller	5, 4
All Cast Stainless Steel	3, 2, 1, 0

Increasing Alkalinity

Increasing Acidity

Vertical Pumps - Arranged by pump type then Discharge size

	Model	Discharge Size	Discharge Type	Solids Size	Mount Style	Pump Type	Impeller Nom	Impeller Type	Max HP 1150 RPM	Max HP 1750 RPM	Max HP 3500 RPM	Floor Plate OD	Shaft Dia.
	1222 S	1 1/2	NPT	1/2	B C	Sump	6	Semi-Open	- -	3/4	- -	20 or 14	3/4
	1309 S	2	NPT	1/2	C	Sump	7	Semi-Open	3/4	2	- -	20	1
	1245 S	2	NPT	1/2	B C	Sump	7	Semi-Open	- -	1 1/2	- -	20 or 14	3/4
	1311 S	2	NPT	3/4	C	Sump	5	Enclosed	- -	- -	5	20	1
	2105 S	2	NPT	1 1/2	C	Sump	7	Semi-Open	- -	1 1/2	- -	20	
►	**1371 S**	3	NPT	1 1/2	C	Sump	10	Semi-Open	5	15	- -	20	1 1/4
►	**1373 S**	3	NPT	1	B C	Sump	10	Enclosed	5	15	- -	20	1 1/4
►	**4521 S**	3	NPT	1	C	Sump	10	Enclosed	5	15	- -	20	1 1/4
►	**1374 S**	4	ANSI	1	B C	Sump	10	Enclosed	5	15	- -	20	1 1/4
	1226 S	2	NPT	2	B C	Sewage	6	Semi-Open	- -	1 1/2	- -	20 or 14	3/4
	2108 S	3	NPT	2 1/4	C	Sewage	7	Semi-Open	1 1/2	5	- -	20	1
►	**2219 S**	3	NPT	2 1/2	C	Sewage	9	Semi-Open	- -	10	- -	20	1 1/4
	2112 S	2	NPT	2	C	Vortex	5 1/2	Semi-Open	- -	1 1/2	5	20	1
	2113 S	3	NPT	2	C	Vortex	5 1/4	Semi-Open	- -	1 1/2	5	20	1

► = New Models **B = Free Standing -** Pump legs sit on the wet well floor **C = Cover Mount -** Pump floor plate rest on the wet well cover

Discharge Types:

ANSI American National Standard Institute 125# flange connection. The 2613 Removal System sliding bracket bolts to the ANSI flange.

NPT National Pipe Taper. Discharge has a threaded connection for threaded pipe or fittings.

Motor Types:

9709 / 9727 Submersible pump motor Double Tandem Seal Carbon/Ceramic upper seal Silicon carbide/silicon carbide lower seal. Elastomers are Viton. Stainless Steel spring.

NEMA Vertical pump motor. Standard TEFC motor.

Impellers

Semi-Open Full back shroud. No front shroud. Multi-vane. Water flows thru vanes. Close clearance of vane face to suction plate.

Enclosed Full front and back shrouds. Multi-vane. Water flows thru "eye" opening and passes thru vanes. Tight radial and axial fit of eye to suction plate hole.

Submersible

Case Heavy-duty, close grain, high-density cast 316 Stainless Steel. Tripod support legs on floor models.

Impeller 316 Stainless Steel. Semi-open or enclosed type, statically and dynamically balanced for a quiet, efficient operation.

Strainer 316 Stainless steel.

Hardware 316 Stainless steel.

Pump Shaft 316 Stainless steel.

Motor Shell 316 Stainless Steel with special integral cooling fins to permit trouble-free operation while running in a non-submerged condition.

Seal Chamber 316 Stainless Steel filled with clean biodegradable oil for continuous mechanical seal lubrication.

End Bell (Cover) 316 Stainless Steel, air-filled, hermetically sealed, NEMA-6 design.

Elastomers Viton (fluoroelastomer) O-rings for positive sealing.

Power & Sensor Cable 25 feet of thermoplastic (STOW) jacketed cables.

Bearings Permanently lubricated single-row, double sealed. Oversized to handle radial and axial loads.

Seal - Tandem Two seals. The upper seal operated inside the seal chamber. The upper seal faces are carbon against ceramic. The lower seal faces are silicon carbide against silicon carbide. Viton fitted.

Moisture Sensor Designed to detect water in the motor chamber.

Temperature Limiter Located in stator windings to stop motor when internal temperature exceeds insulation rating. Automatically resets when motor cools.

Motor

NEMA 6, submersible air-filled, hermetically sealed, Class F insulation.

Single-phase voltages are 60 Hz, 115 or 208-230 volt with automatic reset thermal and overload protection. Single-phase models include capacitors and relays mounted in a separate Type 4X FRP enclosure and are available up to 2 HP.

Three-phase voltages are 60 Hz, 208-230 or 460 volt.

Vertical

Case Heavy-duty, close grain, high-density cast 316 Stainless Steel. Tripod support legs on floor models.

Impeller 316 Stainless Steel. Semi-open or enclosed type, statically and dynamically balanced for a quiet, efficient operation.

Strainer 316 Stainless steel.

Hardware 316 Stainless steel.

Pump Shaft 316 Stainless Steel, polished and ground.

Thrust Bearing Grease lubricated, ball type, over-sized for increased life and capacity. Sealed to protect from dirt and moisture.

Lower Bearing Housing 316 Stainless Steel with graphite sleave bearing.

Intermediate Bearing Housing 316 Stainless Steel with graphite sleeve bearing.

Legs 316 Stainless steel.

Discharge Pipe 316 Stainless steel.

Motor

Vertical, solid shaft with NEMA-C mounting flange. The motor is connected to the pump with a flexible coupling.

Totally enclosed motors (TEFC) are standard on all models.

Notes

Explosion Proof Motor Option

Submersible Explosion-proof motors (UL) Listed Class 1, Division 1, Group C and D rating at 1150, 1750, and 3450 RPM.

Vertical Explosion-proof motors (UL) Listed Class 1, Division 1, Group C and D rating at 1150, 1750, and 3450 RPM.

Removal System Pump - 2613

Pump can be removed from the pit without disconnecting the discharge piping. Removal System Pump has a standard ANSI discharge flange. The ANSI flange bolts to the sliding bracket of the 2613 Removal System. The 2613 components are not included with the pump. Refer to 2613 product bulletin.

Note: 2, 3 and 4 inch Quick removals are available in 316 Stainless Steel Construction.