

Overview

Weil's Grinder & Slicer Pumps are designed for use in commercial and industrial applications to effectively cut typical sanitary waste into small pumpable pieces. These heavy duty pumps are available in Vertical-Column, Submersible floor or quick remove, Dry or Wet Well, or end suction designs. All cutting assemblies are constructed from 440C stainless steel and hardened to Rockwell 58C.

Grinder Pumps - Arranged by Discharge Size

Model	Discharge		Mount Style	Pump Type	Pump Seals	Impeller		Motor Type	Max HP		
	Size	Type				Nom	Type		1150 RPM	1750 RPM	3500 RPM
▶ 2439	1 1/4	NPT	Floor	Submersible	One	5	Enclosed	9725	--	--	1 1/2
▶ 2448	1 1/4	NPT	Floor	Submersible	One	5	Semi-Open	CUS	--	--	2
▶ 2449	2	NPT	Floor	Submersible	One	5	Semi-Open	CUS	--	--	1
2417	2	NPT	Floor	Submersible	One	7	Semi-Open	9724	--	5/8	--
2418	2	ANSI	Removal	Submersible	One	5	Semi-Open	9724	--	5/8	--
2852	2	ANSI	Horizontal	Dry Well	One	7	Semi-Open	NEMA	--	1 1/2	7 1/2
2438	2	ANSI	2613	Submersible	One	5	Enclosed	9725	--	--	2
2436	2	ANSI	2613	Submersible	One	7	Semi-Open	9725	--	1 1/2	--
2516	2	ANSI	2613	Submersible	Two	7	Semi-Open	9709	--	1 1/2	5
2437	2	NPT	Floor	Submersible	One	7	Semi-Open	9725	--	1 1/2	--
2526	2	NPT	Floor	Submersible	Two	7	Semi-Open	9709	--	1 1/2	5
2104	2	ANSI	2613	Vertical	--	7	Semi-Open	NEMA	--	1 1/2	--
2105	2	NPT	Cover	Vertical	--	7	Semi-Open	NEMA	--	1 1/2	--

Slicer Pumps - Arranged by Discharge Size

Model	Discharge		Mount Style	Pump Type	Pump Seals	Impeller		Motor Type	Max HP		
	Size	Type				Nom	Type		1150 RPM	1750 RPM	3500 RPM
2834	3	ANSI	Horizontal	Dry Well	One	7	Semi-Open	NEMA	--	5	--
2533	3	ANSI	2613	Submersible	Two	7	Semi-Open	9709	1	5	--
2537	3	NPT	Floor	Submersible	Two	7	Semi-Open	9709	1	5	--
2822	4	ANSI	Vertical	Dry Well	Two	9	Enclosed	9727	--	15	--
2836	4	ANSI	Horizontal	Dry Well	One	7	Semi-Open	NEMA	--	5	--
2838	4	ANSI	Horizontal	Dry Well	One	9	Enclosed	NEMA	--	15	--
2534	4	ANSI	2613	Submersible	Two	7	Semi-Open	9709	1	5	--
2536	4	ANSI	2613	Submersible	Two	9	Enclosed	9727	--	15	--
2536F	4	Flange	Floor	Submersible	Two	9	Enclosed	9727	--	15	--
2538	4	NPT	Floor	Submersible	Two	7	Semi-Open	9709	1	5	--

▶ = New Models

Discharge Type:

- 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.
- Flange** Two-bolt Weil oval compression flange with gasket and hardware.

Mount Styles:

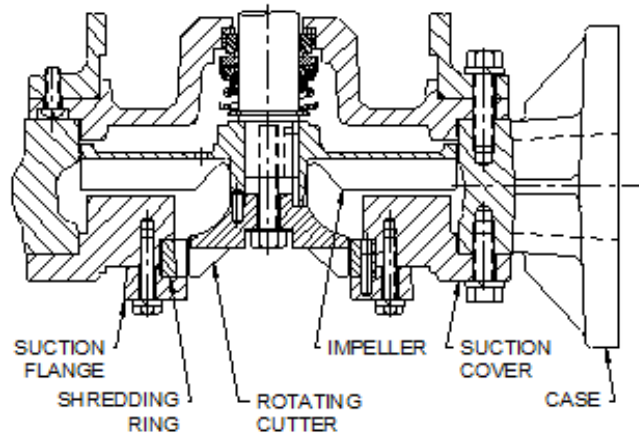
- Floor** Floor mount pumps have a vertical discharge and support legs. Standard connection is NPT with flanged available as an option.
- 2613 Quick Removal** Pump can be removed from the wet well without disconnecting the discharge piping. The 2613 components are not included with the pump. Refer to 2613 product bulletin.
- Cover** Applies to vertical pumps. Pump floor plate rests on the wet well cover.
- Horizontal** Close coupled end-suction design

Motor Types:

- 9709** Double Tandem Seal
- 9727** Upper Seal: Carbon/Ceramic
Lower Seal: Silicon carbide/
Silicon carbide

Elastomers are Buna-N
Stainless steel spring
- 9724** Single Seal: Carbon/Ceramic
Elastomers are Buna-N
Stainless steel spring
- 9725** Single Seal: Carbon/Ceramic
Elastomers are Buna-N
Stainless steel spring
- NEMA** Standard TEFC motor

Grinder

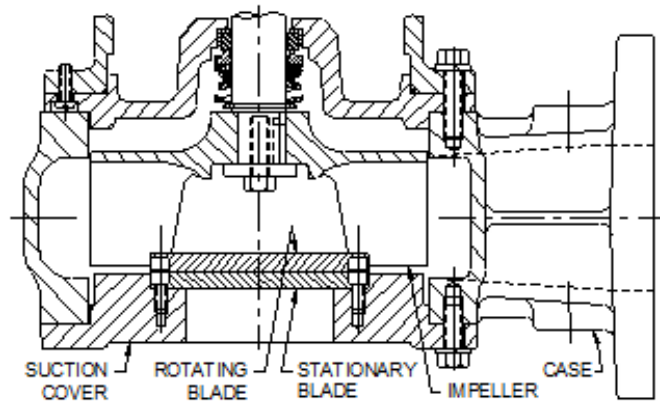


Grinder Pumps - To 100 GPM. Solids are reduced to a 3/8-inch diameter by the grinder cutter and shredding ring components. The 3/8-inch solids are then pumped by the impeller into the discharge line. The impeller is sized to efficiently pump the slurry at flows and pressure determined by the system design.

Install a ball check valve at the discharge of each pump. An additional third check valve is recommended on the main-line of a duplex system.

The grinder portion consists of a hardened rotating cutter mounted on a stainless steel motor shaft. A stationary shredding ring is positioned in the pump inlet. On all models the cutter and shredding ring are made from 440C stainless steel hardened to Rockwell 58C. The semi-open impeller is cast-iron. A bronze impeller is available as an option.

Slicer



Slicer Pumps - To 650 GPM. Efficiently slices and cuts sewage solids into pumpable pieces. The slicer will devour sanitary napkins, tampons, articles of clothing, disposable diapers, paper towels, newspapers, shop towels, and cigars.

The slicer pump combines many of the characteristics of non-clog, cutter, and grinder pumps.

The two slicer blades are 440C stainless steel hardened to Rockwell 58C. One blade rotates with the iron impeller and the other blade is stationary.

A slicer pump will process more sewage gallons per minute than a grinder pump.