

Floor Mount Submersible Pumps (NPT) - Arranged by Discharge Size then Solid Size

Model	Discharge		Solids Size	Mount Style	Nom.	Impeller Type	Motor Type	Max HP		Notes
	Size	Type						1750 RPM	3500 RPM	
1451	1 1/4	NPT	1/8	Floor	5	Enclosed	9725	--	2	High Pressure
1408	1 1/4	NPT	1/2	Floor	6	Semi-Open	9724	1/3	--	115 Volt
1409	1 1/4	NPT	1/2	Floor	6	Semi-Open	9724	1/3	--	115 Volt w/switch
1421	1 1/4	NPT	1/2	Floor	6	Semi-Open	9725	1/2	--	
1453	1 1/4	NPT	1/2	Floor	5	Semi-Open	9724	--	1/2	115 Volt High Pressure
1452	1 1/2	NPT	1/8	Floor	6	Enclosed	9725	--	2	High Pressure
1422	1 1/2	NPT	1/2	Floor	6	Semi-Open	9725	3/4	--	
1454	1 1/2	NPT	1/2	Floor	5	Semi-Open	9724	--	1/2	115 Volt High Pressure
1412	1 1/2	NPT	3/4	Floor	6	Semi-Open	9724	1/2	--	115 Volt
2417	2	NPT	Grinder	Floor	6	Semi-Open	9724	5/8	--	Grinder 115 Volt
1411	2	NPT	1/2	Floor	6	Semi-Open	9724	1/2	--	1 and 3 phase
1413	2	NPT	1/2	Floor	7	Semi-Open	9725	1 1/2	--	
1456	2	NPT	3/4	Floor		Enclosed	9724	--	1/2	
2443	2	NPT	3/4	Floor	5	Enclosed	9725	--	2	High Pressure
2445	2	NPT	3/4	Floor	7	Semi-Open	9725	2	--	
2411	2	NPT	2	Floor	6	Semi-Open	9724	1/2	--	1 and 3 phase
2426	2	NPT	2	Floor	6	Semi-Open	9725	1 1/2	--	
2428	2	NPT	2	Floor	6	Semi-Open	9725	1	--	
2427	3	NPT	2	Floor	7	Semi-Open	9725	2 1/2	--	
2429	3	NPT	2	Floor	6	Semi-Open	9725	1	--	

2613 Removal System Pumps (ANSI) - Arranged by Discharge Size then Solid Size

Model	Discharge		Solids Size	Mount Style	Nom.	Impeller Type	Motor Type	Max HP		Notes
	Size	Type						1750 RPM	3500 RPM	
1418	2	ANSI	1/2	2613	7	Semi-Open	9725	1 1/2	--	
1414	2	ANSI	3/4	2613	6	Semi-Open	9724	1/2	--	1 and 3 phase
1455	2	ANSI	3/4	2613	5	Open	9724	--	1/2	115 Volt High Pressure
2442	2	ANSI	3/4	2613	5	Enclosed	9725	--	2	High Pressure
2446	2	ANSI	3/4	2613	7	Semi-Open	9725	2	--	
2413	2	ANSI	2	2613	6	Semi-Open	9724	1/2	--	1 and 3 phase
2422	2	ANSI	2	2613	6	Semi-Open	9725	1 1/2	--	
2441	3	ANSI	2	2613	7	Semi-Open	9725	2 1/2	--	

Floor Mount Pump

Floor mount pump has a vertical discharge with tripod support legs. Connection is available as flanged or NPT.

Removal System Pump - 2613

Pump can be removed from the pit without disconnecting the discharge piping. The 2613 components are not included with the pump.

Motor Number	Mechanical Seal	Shaft Stainless Steel
9724	Carbon against Ceramic	Series 300
9725	Carbon against Ceramic	Series 300

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.

Pump Use to pump wastewater, unscreened solids, water containing silt and a wide range of pollutants. Suitable applications include truck loading docks, parking lots, storm water pumping from underpass drainage and areas flooded from overflowing rivers, streams, below ground vaults, wastewater pits, etc.

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

Discharge 1 1/4 to 3 inches.

Solid Size 1/8 to 2 inches.

Impeller Semi-open or enclosed type, statically and dynamically balanced for a quiet, efficient operation. Cast iron impellers are standard on all models except 1451 and 1452, which have a stainless steel impeller. Bronze is available as an option on most models. Stainless steel is available as an option on selected models.

Strainer Stainless steel. Model 1451 and 1452 have a brass strainer.

Hardware Stainless steel.

Floor Mount Pump

Floor mount pump has a vertical NPT discharge. All models have three cast feet. Optional cast iron flanged connection with neoprene compression style gasket is available.

Removal System Pump - 2613

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. Pump can be removed from the pit without disconnecting the discharge piping. Refer to 2613 product bulletin.

Paint Option

Black epoxy for long term chemical and moisture protection.

1409 Pump

Includes an 8224 pressure diaphragm level control switch mounted to the pump.

Motor NEMA 6, submersible air-filled, hermetically sealed, Class F insulation, 1/3 to 2 1/2 horsepower, 1750 RPM and 3/4 to 2 horsepower, 3500 RPM. Single-phase motors are capacitor start induction run.

Single-phase voltages are 60 Hz, 115 or 208-230 volt with automatic reset thermal and overload protection.

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

Temperature Ratings

160 degrees F – Normal Cyclical Duty

140 degrees F – Continuous Cyclical Duty

120 degrees F – Continuous Extended Duty

Motor Shell Machined from close grain, high-density cast iron.

End Bell Cast iron, air-filled, hermetically sealed.

Motor 9725 has a hermetic glass seal that separates the motor cavity from the power cord entrance. A power cord leak due to a cut and/or other damage will not permit water to enter the motor.

Elastomers Buna-N o-rings for positive sealing. Viton o-rings are available as an option.

Power Cable Cable type is neoprene jacketed. A three conductor grounded plug is furnished on single-phase 115-volt cord sets

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

Mechanical Seal Carbon against ceramic face with heat resistant stainless steel and Buna-N components. High temperature viton components are available as an option.

Shaft Series 300 stainless steel.

Motor Options

Moisture Sensor Designed to detect water in the motor chamber. 2 HP max

Second Mechanical Seal Available on 9725, motors. Two seals, carbon face against ceramic seat. Oil filled seal chamber.

Optional Seal Choice Silicon carbide mechanical seal faces for abnormal sanitary abrasives.

High Temperature Ratings Viton seals, o-rings, and derated motor for higher temperature applications.