

Floor Mount and 2613 Removal System

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

Model	Discharge		Solids Size	Impeller		Motor Type	Max HP		Phase		Volts		
	Size	Type		Nom.	Type		1750 RPM	3500 RPM	1	3	115	230	460
1451	1 1/4	NPT	1/8	5	Enclosed	9725	--	2	X	X	X	X	X
1408	1 1/4	NPT	1/2	6	Semi-Open	9724	1/3	--	X	--	X	--	--
1409	1 1/4	NPT	1/2	6	Semi-Open	9724	1/3	--	X	--	X	--	--
1421	1 1/4	NPT	1/2	6	Semi-Open	9725	1/2	--	X	X	X	X	X
1453	1 1/4	NPT	1/2	5	Semi-Open	9724	--	1/2	X	--	X	--	--
1452	1 1/2	NPT	1/8	6	Enclosed	9725	--	2	X	X	X	X	X
1422	1 1/2	NPT	1/2	6	Semi-Open	9725	3/4	--	X	X	X	X	X
1454	1 1/2	NPT	1/2	5	Semi-Open	9724	--	1/2	X	--	X	--	--
1412	1 1/2	NPT	3/4	6	Semi-Open	9724	1/2	--	X	--	X	--	--
▶ 1432	2	NPT	1/4	6	Semi-Open	--	--	1/2	X	--	X	--	--
▶ 2452	2	NPT	2	6	Semi-Open	--	--	2	X	X	--	X	X
1411	2	NPT	1/2	6	Semi-Open	9724	1/2	--	X	X	X	●	X
1413	2	NPT	1/2	7	Semi-Open	9725	1 1/2	--	X	X	X	X	X
1456	2	NPT	3/4	5	Enclosed	9724	--	1/2	X	--	X	--	--
2443	2	NPT	3/4	5	Enclosed	9725	--	2	X	X	X	X	X
2445	2	NPT	3/4	7	Semi-Open	9725	2	--	X	X	X	X	X
2411	2	NPT	2	6	Semi-Open	9724	1/2	--	X	X	X	●	X
2426	2	NPT	2	6	Semi-Open	9725	1 1/2	--	X	X	X	X	X
2428	2	NPT	2	6	Semi-Open	9725	1	--	X	X	X	X	X
2427	3	NPT	2	7	Semi-Open	9725	2 1/2	--	X	X	X	X	X
2429	3	NPT	2	6	Semi-Open	9725	1	--	X	X	X	X	X

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

Model	Discharge		Solids Size	Impeller		Motor Type	Max HP		Phase		Volts		
	Size	Type		Nom.	Type		1750 RPM	3500 RPM	1	3	115	230	460
1418	2	ANSI	1/2	7	Semi-Open	9725	1 1/2	--	X	X	X	X	X
1414	2	ANSI	3/4	6	Semi-Open	9724	1/2	--	X	X	X	●	X
1455	2	ANSI	3/4	5	Enclosed	9724	--	1/2	X	--	X	--	--
2442	2	ANSI	3/4	5	Enclosed	9725	--	2	X	X	X	X	X
2446	2	ANSI	3/4	7	Semi-Open	9725	2	--	X	X	X	X	X
2413	2	ANSI	2	6	Semi-Open	9724	1/2	--	X	X	X	●	X
2422	2	ANSI	2	6	Semi-Open	9725	1 1/2	--	X	X	X	X	X
2441	3	ANSI	2	7	Semi-Open	9725	2 1/2	--	X	X	X	X	X

▶ = New Models

-- = Not available/applicable

X = Available

● = 230 is for 3 Phase only

For motor amp ratings, refer to EP-5011

Floor Mount Pump

Floor mount pumps have a vertical NPT discharge. Optional cast iron flanged connection with neoprene compression style gasket is available.

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

Removal System Pump - 2613

Removal System Pumps have 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.

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, and sanitary.

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, 1452, and 1434 which have a stainless steel impeller.

Strainer Stainless steel.

Hardware Stainless steel.

Pump Options

Impeller Bronze
Stainless Steel (select models).

Case Stainless Steel (select models).

Paint Black Epoxy.

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

Capacitors and relays are inside the motor housing.

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

180 degrees F - High Temp Cyclical Duty
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 a multiconductor neoprene jacketed. A three conductor grounded plug is furnished on single-phase 115-volt motors.
Outer Jacket:
std = SOOW or SJOW
optional = STOW or SJTOW

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 in an oil filled seal chamber.

Silicon Seal Silicon carbide mechanical seal faces for severe duty and abrasive environments.

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