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U.S. Patent No. 8,562,287



SECTION: Z4.10.245
ZM3153
0721
Supersedes
0621

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TECHNICAL DATA SHEET

6932 PRE-ASSEMBLED REPLACEMENT ASSEMBLY FOR PROGRESSING CAVITY GRINDERS

Specifications:

A replacement pump assembly for existing progressing cavity grinder pump installations. Choices include a replacement with a cover-mounted suspended installation or one that is free-standing within the basin. All assemblies include integral pump control and high water level switch, stainless steel plumbing and support components, gooseneck discharge connection and electrical quick disconnect fitting.

Features:

- Readily adapts to existing progressing cavity pump systems
- Optional cover-mounted suspended system or free-standing installation
- Electrical quick disconnect, standard round type or optional rectangular
- Corrosion resistant components, powder coated cast iron and stainless steel
- 1 and 2 HP models available, with integral level controls, head up to 240' (104 PSI)
- Cool running Class B rated motor, finned and oil-filled
- SC/C shaft seal and Viton o-rings
- Hardened 440C SS cutter plate, solids reduced to less than 1/8"
- Helical hydraulic rotor with deflector plate, shields the shaft seal
- Integral pressure relief, protects system against excessive pressure
- SS back-flow protection and optional SS anti-siphon device
- Equipped with red lifting rope



SS Cover-Mounted

Free-Standing

Performance

Voltage / Hz	200 or 230 volt - 1 phase / 60 Hz
Horsepower / RPM	1 or 2 HP / 1725 RPM
Maximum Flow	14.6 GPM @ 5' TDH
1 HP Flow @ Max Head	9.0 GPM @ 150' TDH
2 HP Flow @ Max Head	5.5 GPM @ 240' TDH
1 HP amp rating	7.0 amps (230 V)
2 HP amp rating	10.5 (230 V), 12.0 (200 V) amps

Construction

Discharge piping and valves	304 SS
Cover - suspended system	304 SS
Stand - free-standing system	304 SS
Pump castings	Cast iron, powder coated epoxy
Discharge	1.25" NPT
Cutter	440C SS, Rockwell C55-60 hardness
Hydraulic Rotor	304 SS
Hydraulic Stator	Buna N
O-rings seals	Viton
Mechanical shaft seal	Silicon carbide / carbon



Round EQD (Standard)



Rectangular EQD (Optional)



Free-Standing Flex Hose



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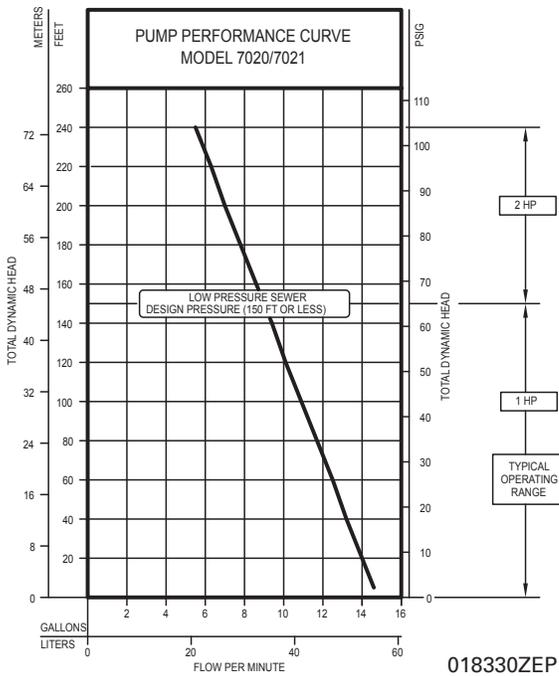
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Progressing Cavity Replacement Assembly

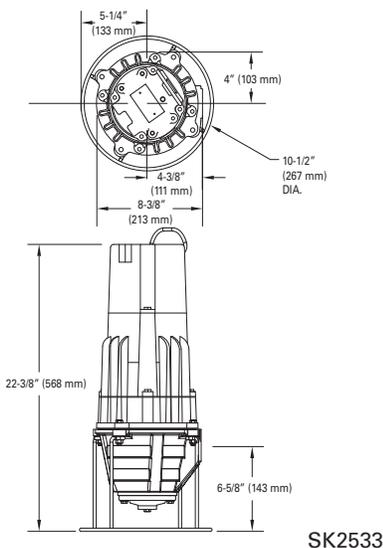
Part No.	Description	HP	Plumbing	Discharge	Cover-Mounted	Free-Standing	* EQD
6932-0027	RWD7020, 230 Volt 1 Phase	1	Stainless Steel	Gooseneck		Yes	Round
6932-0028	RWD7021, 230 Volt 1 Phase	2	Stainless Steel	Gooseneck		Yes	Round
6932-0029	RWD7020, 230 Volt 1 Phase	1	Stainless Steel	Gooseneck	Yes		Round
6932-0030	RWD7021, 230 Volt 1 Phase	2	Stainless Steel	Gooseneck	Yes		Round
6932-0036	RWD7020, 230 Volt 1 Phase	1	SS/Flex Hose	Flex Hose		Yes	Round
6932-0037	RWD7021, 230 Volt 1 Phase	2	SS/Flex Hose	Flex Hose		Yes	Round

* Note: A rectangular EQD and Anti-siphon device are available options

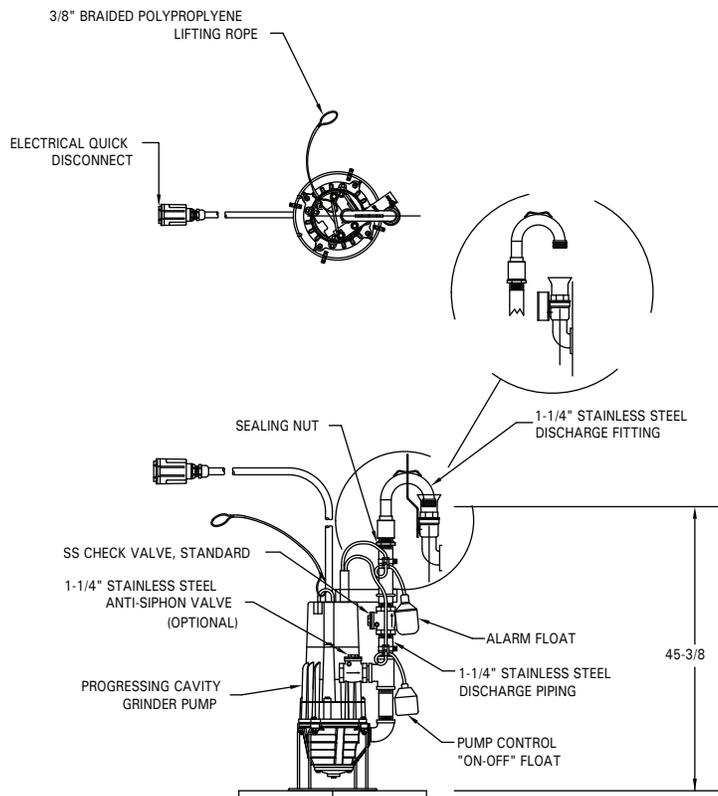
Performance Curve



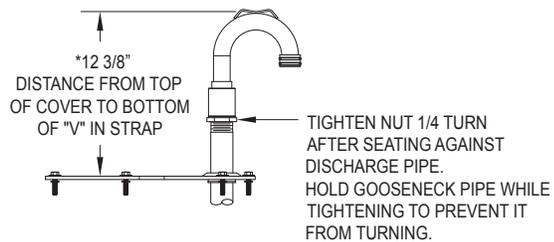
Dimensional



Installation Detail



SK3222



* DISTANCE TO BE VERIFIED BY LOWERING PUMP ASSEMBLY INTO BASIN AND ENSURING THAT THE SUSPENSION PLATE OF THE PUMP ASSEMBLY SEATS AGAINST THE PROTRUDED SURFACE AND THE BALL VALVE HANDLE REMAINS OPERABLE. HEIGHT IS EASILY ADJUSTED UP/DOWN TO ACCOMMODATE ANY FIELD VARIANCES.

SK2682