



GF SUBMERSIBLE GRINDER PUMPS

FEATURE

- Standard accessories include : epoxy resin cable base, dry motor, double mechanical seals, auto-cut protection, double ball bearing support shaft and rotor.
- Vortex impeller design prevents clogging by cutting up articles.
- Radial cutter and cutter ring SUS440C : corrosion resistant material, hardened to 55-60 Rockwell C.
- Specific single phase design for starting torque, and its torque is five times stronger than General capacitor pump. The impeller can prevent clogging when grinding the objectives.
- 32GF21.5/22.2 DN40 model Horizontal casing (No 90° Elbow set available)
- The single phase grinder pumps are equipped with a centrifugal switch and capacitor motor, designed to provide an extreme high torque start, and offering 5 times higher torque than an average capacitor motor start.



Semi-open Impeller



Radial Cutter & Cutter Ring



32GF21.0



32GF21.5/22.2(H)



32GF21.5/22.2 DN40



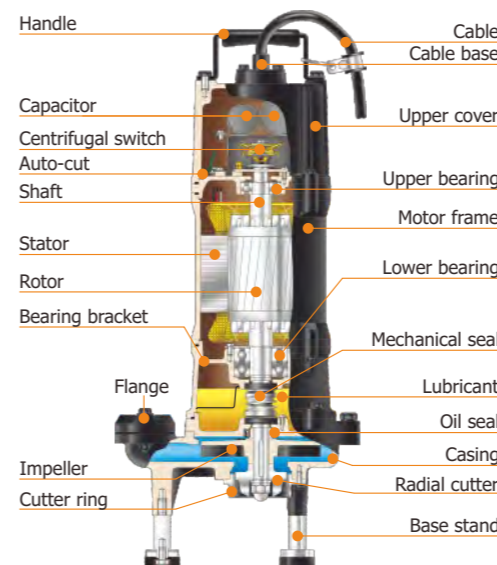
50GF22.2/23.7

APPLICATIONS

- Used in pressure sewage system.
- Drainage of wastewater from individual residences, apartment buildings, recreational developments, motels.
- Transferring wastewater of commercial buildings, industrial plants, wastewater sampling, small hospitals.
- Schools, federal, state and local parks, wastewater drainage.
- To transfer various wastewater and sewage.

PRODUCT NOMENCLATURE

32	GF	2	1.5
Discharge mm	Type	Pole	kW



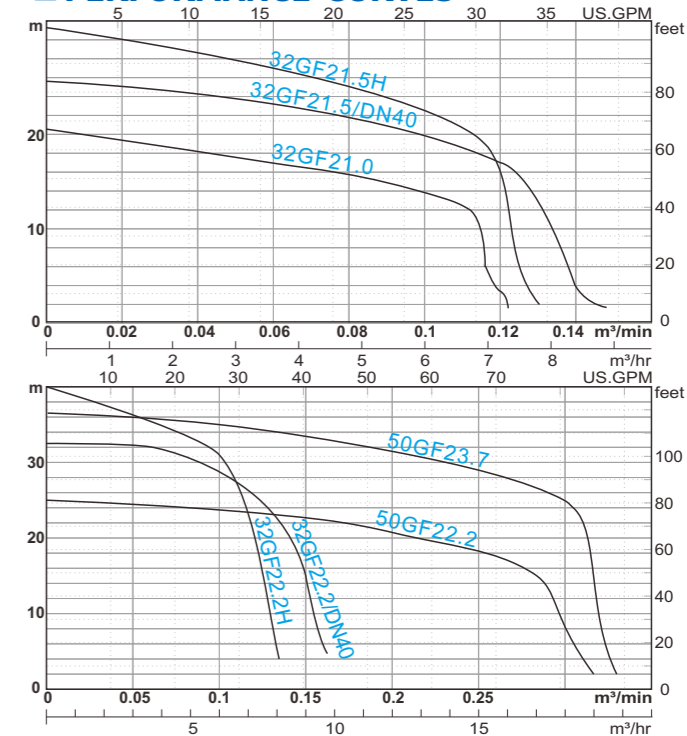
Super Powerful Grinding Ability. **5 times**



SPECIFICATIONS

Discharge (mm)		32 • 50
Limits Of Use	Liquid Temp.	0~40°C (32~104°F)
	Applications	Residential wastewater • Sewage
	Submersion Depth	30m (100feet)
Type	Frequency	60Hz
	Motor	2P (3600RPM) • Dry Motor
	Insulation	Class B(1.3~3HP) • Class F(5HP)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball Type
Material	M.seal	Double M.seals
	Impeller	Semi-open
	Upper Cover	FC-200
	Motor Frame	FC-200
	Shaft End	SUS403
	M.seal	Upper: Carbon/Ceramic Lower: Silicon/Silicon
	Casing	FC-200
	Impeller	FC-200
Radial Cutter	SUS440C	
Cutter Ring	SUS440C	
Cable	VCT or H07RN-F or SJOW/SOW	
Optional	Pumps can be customized to fit specifications	

PERFORMANCE CURVES



PERFORMANCE SPEC.

Model	HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Standard		Weight kg(lb)		Dimension (mm)				
					m - m³/min	ft - GPM	1Ø	3Ø	A	B	C	1Ø	3Ø
32GF21.0	1 1/3 (1.0)	1 1/4" (32)	3	Capacitor Direct	17 - 0.06	55 - 16	27 (60)	25 (55)	249	-	177	555	530
32GF21.5	2 (1.5)	1 1/4" (32)	3	Capacitor Direct	23 - 0.06	75 - 16	36 (79)	32 (71)	285	-	203	597	546
32GF21.5H	2 (1.5)	1 1/4" (32)	3	Capacitor Direct	26 - 0.06	85 - 16	36 (79)	32 (71)	285	-	203	597	546
32GF21.5DN40	2 (1.5)	1 1/4" (32)	3	Capacitor Direct	23 - 0.06	75 - 16	36 (79)	32 (71)	-	255	203	596	546
32GF22.2	3 (2.2)	1 1/4" (32)	3	Capacitor Direct	30.5 - 0.06	100 - 16	38 (84)	35 (77)	285	-	203	630	546
32GF22.2H	3 (2.2)	1 1/4" (32)	3	Capacitor Direct	35 - 0.06	115 - 16	38 (84)	35 (77)	285	-	203	630	546
32GF22.2DN40	3 (2.2)	1 1/4" (32)	3	Capacitor Direct	30.5 - 0.06	100 - 16	-	36 (79)	-	255	203	-	546
50GF22.2	3 (2.2)	2" (50)	3	Direct	19.5 - 0.2	65 - 52	-	44 (97)	393	226	226	-	616
50GF23.7	5 (3.7)	2" (50)	3	Direct	30 - 0.2	98 - 52	-	47(104)	393	226	226	-	616

Note: Weight Without Cable & Elbow Set

