

The Global Water GP Series submersible sewage pumps provide a dependable solution for a wide range of domestic, commercial, municipal and industrial sewage and wastewater applications.

Units are constructed from cast iron with stainless steel trim for durability and corrosion resistance.

Available in single phase automatic and three-phase manual versions, they are fitted with cutter or grinder mechanisms.

All pumps are fitted with 10 m cables, and single-phase motors have integral overloads.

Pumps can be supplied in either free-standing configuration for installation in polyethylene pits, or auto-coupling pedestal mounted with guide rails for concrete pit installations. Complete packaged pumping stations including electrical control panels are available in either single pump or twin pump configurations. Larger flow rate units are available on request.

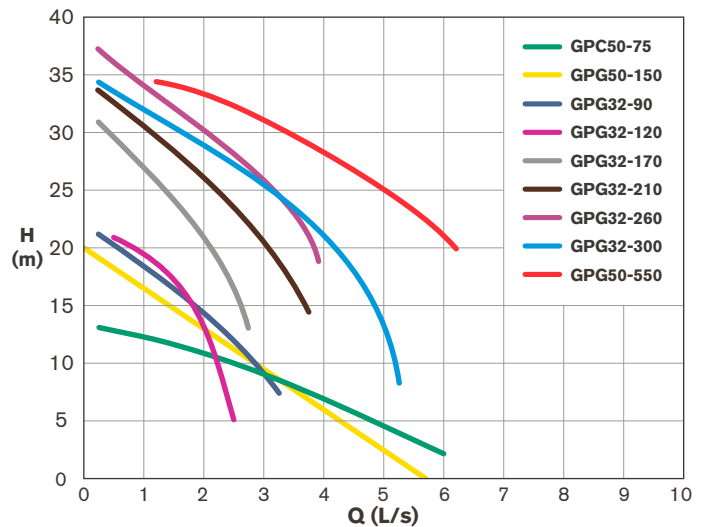


Technical data

Pump model	Phase	Power (kW)	Current (A)	Outlet (mm)
GPC50-75	1	0.75	7.0	50
GPG50-150	1/3	1.5	9.5/3.6	50
GPG32-90	1/3	1.84/2.0	11.6/4.64	32
GPG32-120	3	1.2	3.29	32
GPG32-170	1/3	1.65/1.7	10.6/3.97	32
GPG32-210	3	2.1	4.75	32
GPG32-260	3	2.6	5.64	32
GPG32-300	3	3.0	5.58	32
GPG50-550	3	5.5	10.3	50

Performance curves

GPC Cutter and GPG Grinder Series



The Global Water GPC50-75 submersible cutter pump is designed to handle raw sewage and wastewater containing solids in suspension for residential and light industrial applications. Impeller is fitted with cutting mechanism to shred suspended solids. These single-phase units come with inbuilt overload protection.

These pumps come standard with a float switch for automatic operation.

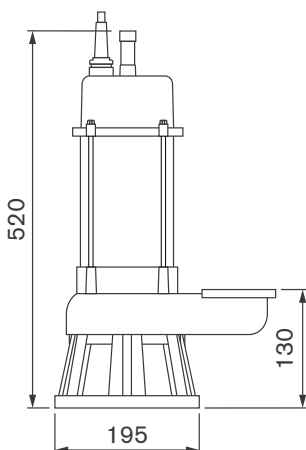
NOTE: Cutter pumps are not suitable for sanitary products.

Features

- Impeller fitted with twin cutting teeth.
- Cast iron pump casing and impeller.
- Stainless steel motor housing and shaft.
- Triplex shaft seal - double mechanical seal and single lip seal.



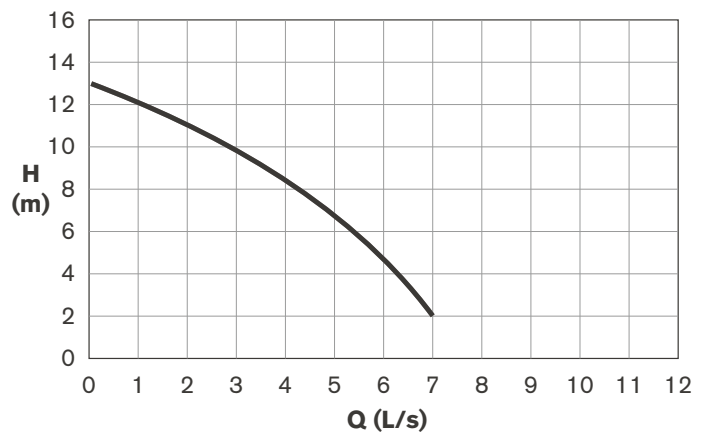
Dimensions (all measurements mm)



Technical data

Outlet (mm)	50 BSP
Max flow rate (L/s)	7.1
Max head (m)	13
Max liquid temp (°C)	40
Solids handling	Cutter
Power (kW)	0.75
Current (A)	7.0
Voltage (V)	240
Speed (RPM)	2900
Casing	Cast iron
Impeller	Tungsten
Motor housing	Stainless steel
Protection	IP68
Cable details	10 m length, H07RN-F
Mounting	Free-standing only
Weight (kg)	30

Performance curve



The GPG50-150 hybrid cutter/grinder pump is a powerful 1.5 kW designed for residential and light commercial applications, utilising a stainless shredding mechanism to reduce soft solids found in raw sewage and enable discharge through small diameter pipework as opposed to larger diameters required for gravity-fed systems.

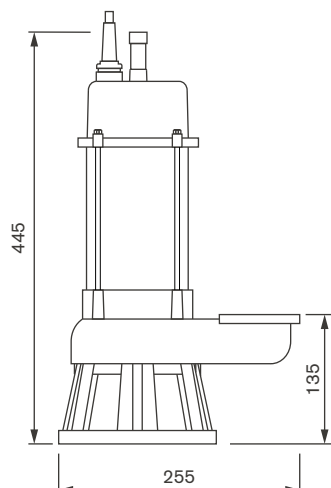
Quiet and trouble-free, these pumps are ideally suited for residential dwellings, shacks, marinas and pressure sewer schemes, as well as light commercial projects.

Features

- Single and three-phase.
- Float switch available on single-phase unit.
- Hardened stainless grinder mechanism.
- Cast iron pump casing.
- Stainless steel motor housing.
- Dual ceramic/graphite mechanical seals.



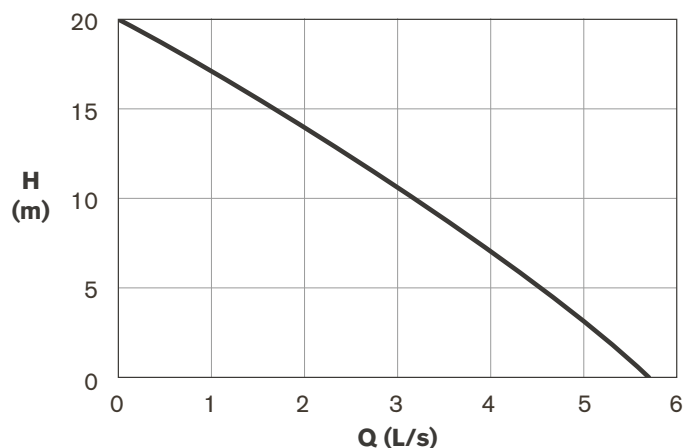
Dimensions (all measurements mm)



Technical data

Model GPG	50-150W	50-150D
Outlet (mm)	50 BSP	
Max flow rate (L/s)	5.7	
Max head (m)	20	
Max liquid temp (°C)	40	
Solids handling	Cutter/Grinder	
Power (kW)	1.5	
Current (A)	9.5	3.6
Voltage (V)	240	415
Speed (RPM)	2900	
Casing	Cast iron	
Impeller	Cast iron	
Motor housing	Stainless steel	
Protection	IPX8	
Cable details	10 m length, H07RN-F	
Mounting	Free-standing or guide rails	
Weight (kg)	27	

Performance curve



The GPG32-90 grinder pumps are effective and economical in residential and light commercial applications, utilising a stainless shredding mechanism to reduce solids found in raw sewage and enable discharge through small diameter pipework as opposed to larger diameters required for gravity-fed systems.

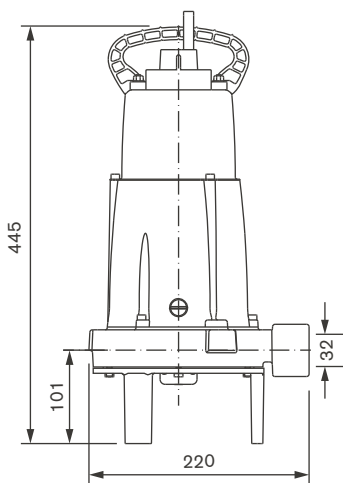
Quiet and trouble-free, these pumps are ideally suited for residential dwellings, shacks, marinas and pressure sewer schemes.

Features

- Single and three-phase.
- Float switch available on single-phase unit.
- Hardened stainless grinder mechanism.
- Cast iron pump casing.
- Stainless steel motor housing.
- Quick release plug-in electric cable.
- Oil lube SIC mechanical seal.



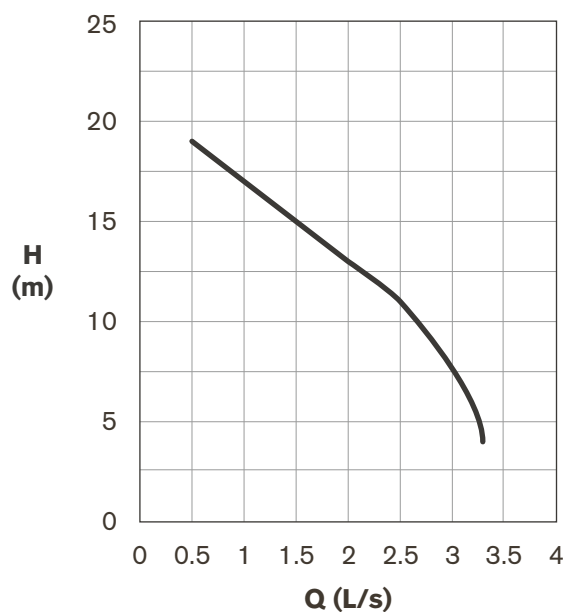
Dimensions (all measurements mm)



Technical data

Model GPG	32-90W	32-90D
Outlet (mm)	32 BSP	
Max flow rate (L/s)	3.4	
Max head (m)	21	
Max liquid temp (°C)	40	
Solids handling	Grinder	
Power (kW)	1.84	2
Current (A)	11.6	4.64
Voltage (V)	240	415
Speed (RPM)	2900	
Casing	Cast iron	
Impeller	Cast iron	
Motor housing	Stainless steel	
Protection	IP68	
Cable details	10 m length, 3G1.0	10 m length, 4G1.0
Mounting	Free-standing or guide rail	
Weight (kg)	23	

Performance curve



The GPG32-170W Submersible Grinder Pumps are heavy duty sewage pumps suitable for municipal and commercial applications where robust design and trouble-free operation are required. Powered by high-efficiency IE3 single-phase submersible motors, this pump features a unique grinding mechanism that shreds raw sewage plus rags and most fibrous material effortlessly.

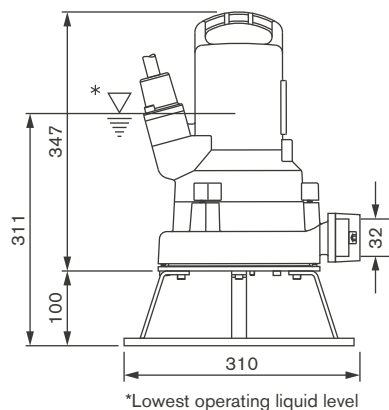
Applications include strata title developments, public toilet blocks, office complexes and commercial developments remote from sewer connections.

Features

- Grinder system capable of shredding fibrous materials such as cloths and plastic bags.
- Low installation costs due to small diameter discharge pipework and high head capability.
- Free-standing or discharge stand mounted.
- Seal leak detection system available.
- Thermal sensors fitted to windings.
- Oil lube SIC mechanical shaft seal.



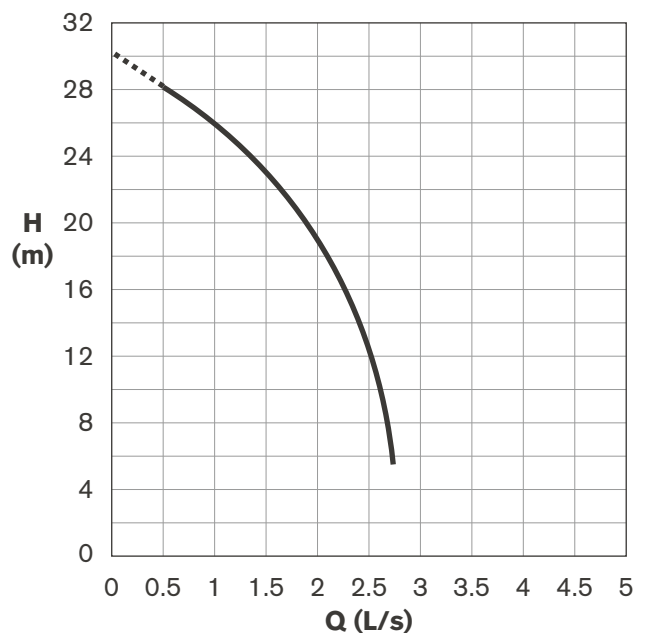
Dimensions (all measurements mm)



Technical data

Outlet (mm)	32 BSP with mating flange
Max flow rate (L/s)	2.7
Max head (m)	31
Max liquid temp (°C)	40
Solids handling	Grinder
Power (kW)	1.65
Current (A)	10.6
Voltage (V)	240
Speed (RPM)	2900
Casing	Cast iron
Impeller	Cast iron
Motor housing	Cast iron
Protection	IP68
Cable details	10 m length, 4G1.5
Mounting	Free-standing or guide rail
Weight (kg)	32

Performance curve



GPG100 and 200 Series Submersible Grinder Pumps are heavy duty sewage pumps suitable for municipal and commercial applications where robust design and trouble-free operation are required. Powered by high-efficiency IE3 three-phase submersible motors, this range features a unique grinding mechanism that shreds raw sewage plus rags and most fibrous material effortlessly.

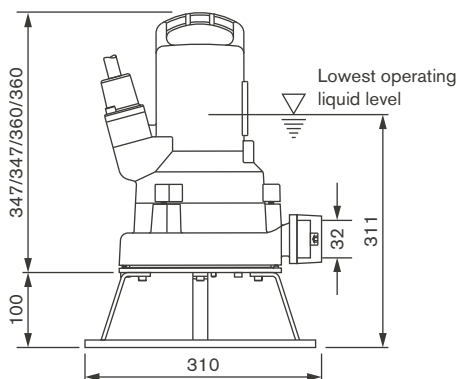
Applications include strata title developments, public toilet blocks, office complexes and commercial developments remote from sewer connections.

Features

- Grinder system capable of shredding fibrous materials such as cloths and plastic bags.
- Low installation costs due to small diameter discharge pipework and high head capability.
- Free-standing or discharge stand mounted.
- Seal leak detection system available.
- Thermal sensors fitted to windings.
- Oil lube SIC mechanical shaft seal.



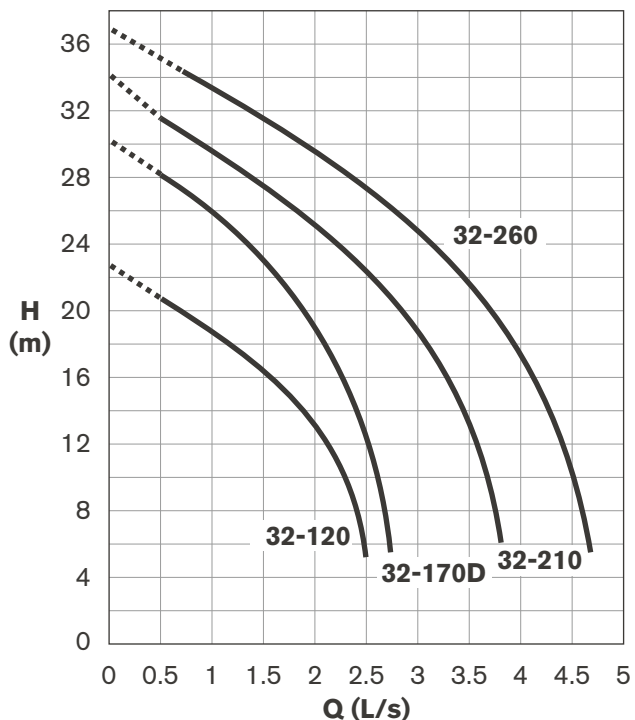
Dimensions (all measurements mm)



Technical data

Model GPG	32-120	32-170D	32-210	32-260
Outlet (mm)	32 BSP with mating flange			
Max flow rate (L/s)	2.5	2.7	3.8	4.7
Max head (m)	22	31	34	37
Max liquid temp (°C)	40			
Solids handling	Grinder			
Power (kW)	1.2	1.7	2.1	2.6
Current (A)	3.29	3.97	4.75	5.6
Voltage (V)	415			
Speed (RPM)	2900			
Casing	Cast iron			
Impeller	Cast iron			
Motor housing	Cast iron			
Protection	IP68			
Cable details	10 m length, 4G1.5			
Mounting	Free-standing or guide rail			
Weight (kg)	32	32	34	37

Performance curve



GPG32-300 and 50-550 Submersible Grinder Pumps are suitable where powerful heavy duty sewage pumps are required for high lifts or long rising mains.

Powered by high-efficiency IE3 three-phase submersible motors, they feature a unique double grinding mechanism that shreds raw sewage plus rags and most fibrous material.

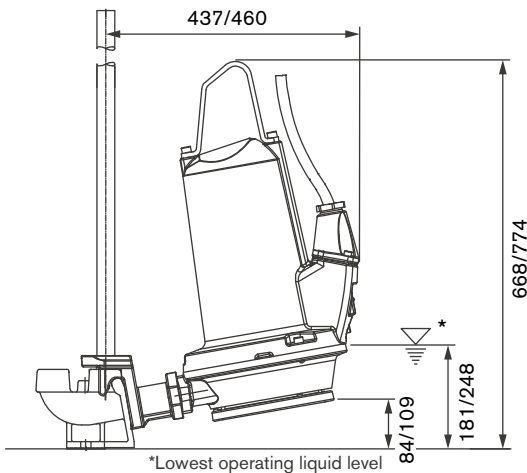
Applications include motorway rest centres and truck stops, council lift stations, hospitals, prisons and food processing plants.

Features

- Grinder system capable of shredding fibrous materials such as cloths and plastic bags.
- Low installation costs due to small diameter discharge pipework and high head capability.
- Free-standing or discharge stand mounted.
- Double SIC mechanical shaft seals.
- Thermal sensors fitted to windings.



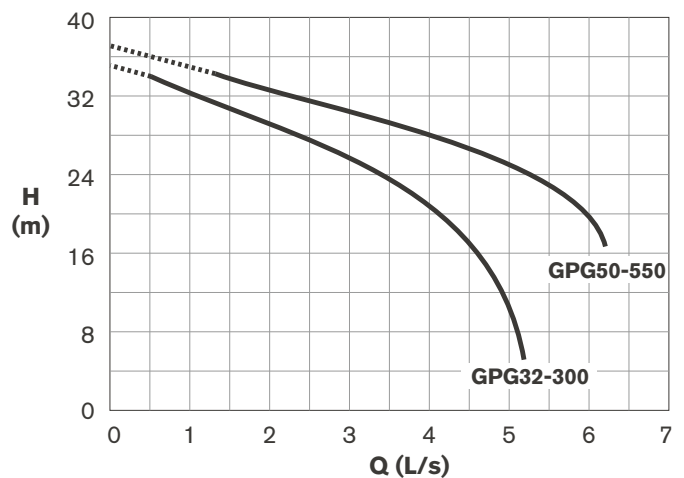
Dimensions (all measurements mm)



Technical data

Model GPG	32-300	50-550
Outlet (mm)	32 BSP	50 BSP/flange
Max flow rate (L/s)	5.1	6.2
Max head (m)	35	38
Max liquid temp (°C)	40	
Solids handling	Grinder	
Power (kW)	3.0	5.5
Current (A)	5.58	10.3
Voltage (V)	415	
Speed (RPM)	2900	
Casing	Cast iron	
Impeller	Cast iron	
Motor housing	Cast iron	
Protection	IP68	
Cable details	10 m length 7G1.5	10 m length 10G1.5
Mounting	Free-standing or guide rail	
Weight (kg)	85	126

Performance curve



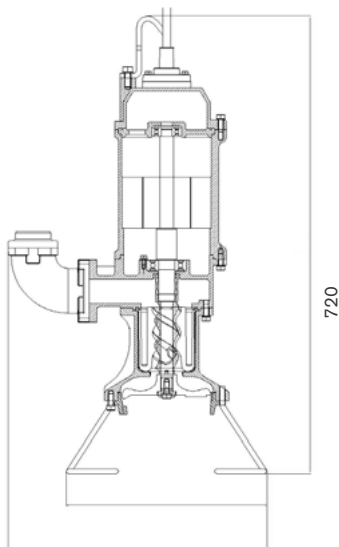
The GPGH32-110 positive displacement high head grinder pump has a heavy duty cutter impeller and cutter ring plus a helical rotor stage making it ideal for pumping wastewater and sewage in low flow, high head applications such as pressure sewer systems.

Features

- Cast iron body for durability under harsh conditions.
- Available in single or three-phase. Both single and three-phase units are available with inbuilt float switch for fully automatic operation.
- Heavy duty silicon carbide mechanical seal.
- Cutter impeller with hardened grinding ring cuts solids to smallest possible size to reduce clogging.
- Freestanding mount or guide rail pedestal.



Dimensions (all measurements mm)



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GP Series Submersible Sewage Pumps

GPGH32-110W/GPGH32-110D

High Head Grinder

Technical data

Model GPGH	32-110W	32-110D
Outlet (mm)	32 BSP	
Max flow rate (L/m)	50	
Max head (m)	90	
Max liquid temp (°C)	50	
Solids handling	Grinder	
Power (kW)	1.1	
Current (A)	6.3	2.1
Voltage (V)	240	415
Speed (RPM)	1450	
Casing	Cast iron	
Impeller	Stainless steel	
Motor housing	Cast iron	
Protection	IP68	
Cable details	10 m length, H07 Flex	
Mounting	Free standing or guide rail	
Weight (kg)	40	

Performance curve

