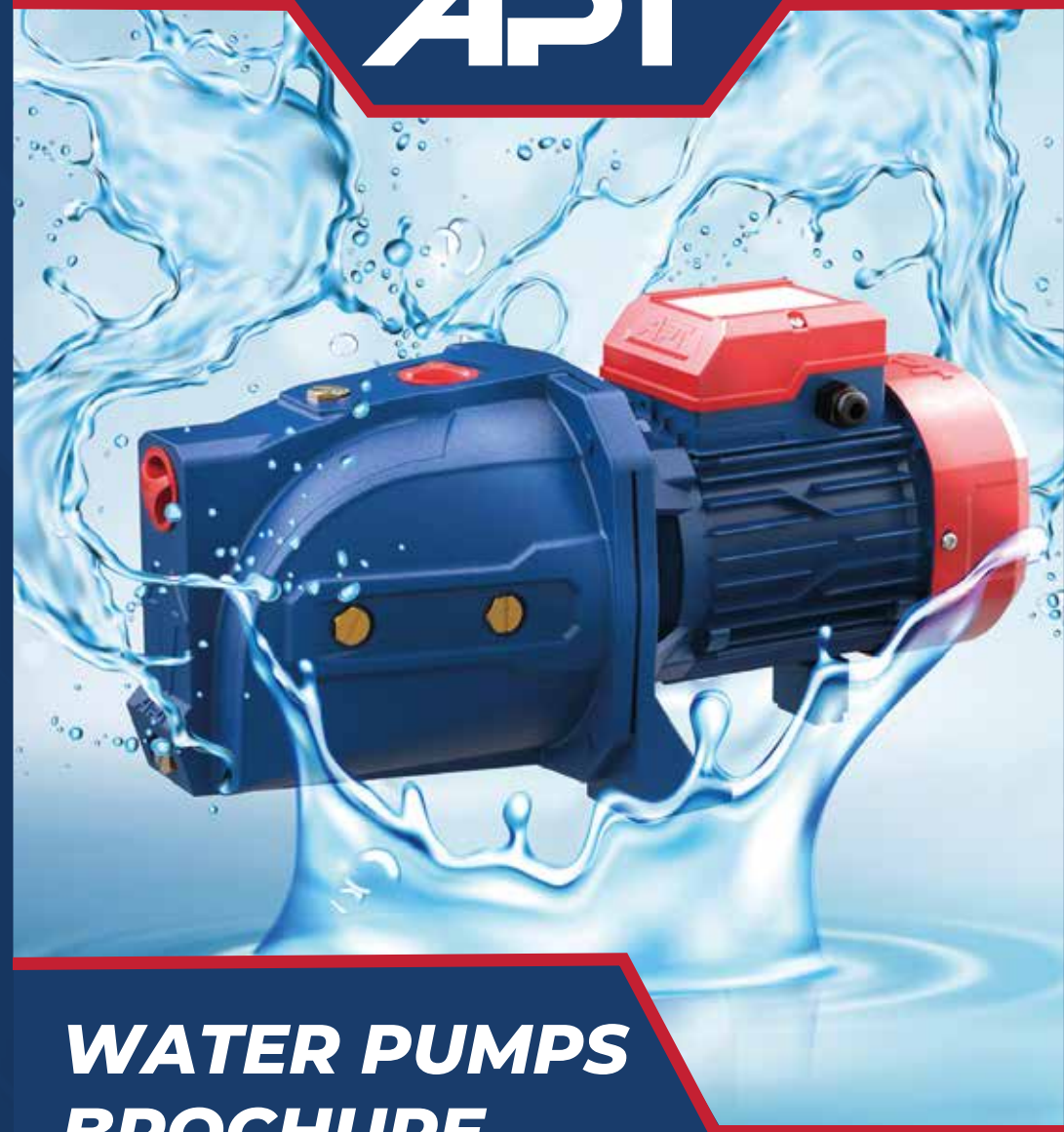




APT



APT



WATER PUMPS BROCHURE

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Peripheral Pump

Jet Pump

QB-Peripheral Pump

PW-Peripheral Pump

Capacity	up to 83L/min(5m³/h)
Head	up to 78m
Power	0.125~1.5kW(0.17~2HP)
Size	1"x1"

Liquid Type: Clean water
Applications: Water supply systems, pressure systems, irrigation pumps
Type: Surface
Family: Peripheral

APPLICATION LIMITS

Manometric suction lift up to 8 m
Liquid temperature up to +40°C
Ambient temperature up to +40°C

CONSTRUCTION

Pump Body: Cast iron.
Impeller: Brass, with radial peripheral vanes.
Motor Shaft: Stainless steel
Mechanical Seal: Ceramic-graphite.
Electric Motor: Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding.
Insulation: Class F.
Protection: IP 44.



Capacity	up to 83L/min(5m³/h)
Head	up to 55m
Power	0.125~1.1kW(0.17~1.5HP)
Size	1"x1" / 1½"x1½"

Liquid Type: Clean water
Type: Surface
Family: Self-suction pump

APPLICATION LIMITS

Manometric suction lift up to 8 m
Liquid temperature up to +90°C
Ambient temperature up to +40°C
Max pressure up to 5 bar

CONSTRUCTION

Pump Body: Cast iron.
Impeller: Brass.
Motor Shaft: Stainless steel shaft.
Motor: Single phase.
Insulation: Class F.
Protection: IP 44.



GJSM-Jet Pump

JSPM-Jet Pump

Capacity	up to 67L/min(4m³/h)
Head	up to 55m
Power	0.8~1.5kW(1.1~2HP)
Size	1"x1"

Liquid Type: Clean water
Type: Surface
Family: Self-pump

APPLICATION LIMITS

Manometric suction lift up to 9 m
Liquid temperature up to +40°C
Ambient temperature up to +40°C

CONSTRUCTION

Pump Body: Stainless steel.
Impeller: PPO.
Motor Shaft: Stainless steel shaft.
Mechanical Seal: Ceramic - graphite.
Electric Motor: Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding.
Insulation: Class F.
Protection: IP 44.



Capacity	up to 60L/min(4m³/h)
Head	up to 48m
Power	0.6~1.1kW(0.8~1.5HP)
Size	1"x1"

Liquid Type: Clean water
Type: Surface
Family: Self-pump

APPLICATION LIMITS

Manometric suction lift up to 9 m
Liquid temperature up to +40°C
Ambient temperature up to +40°C

CONSTRUCTION

Impeller: PPO.
Motor Shaft: Stainless steel shaft.
Mechanical Seal: Ceramic - graphite.
Insulation: Class F.
Protection: IP 44.



NSFM-Jet Pump

NSFM-Jet Pump

Capacity	up to 70L/min(4.2m³/h)
Head	up to 60m
Power	0.37~1.1kW(0.5~1.5HP)
Size	1"x1"

Liquid Type: Clean water
Type: Surface
Family: Self-pump

APPLICATION LIMITS

Manometric suction lift up to 9 m
Liquid temperature up to +40°C
Ambient temperature up to +40°C

CONSTRUCTION

Pump Body: Cast iron.
Impeller: Stainless steel.
Motor Shaft: stainless steel.
Mechanical Seal: Ceramic - graphite.
Electric Motor: Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding.
Insulation: Class F.
Protection: IP 44.



Capacity	up to 160L/min(9.6m³/h)
Head	up to 85m
Power	1.1~2.2kW(1.5~3HP)
Size	1 ¼"x1" / 1 ½"x1 ½"

Liquid Type: Clean water
Type: Surface
Family: Self-pump

APPLICATION LIMITS

Manometric suction lift up to 9 m
Liquid temperature up to +40°C
Ambient temperature up to +40°C

CONSTRUCTION

Pump Body: Cast iron.
Impeller: Stainless steel.
Motor Shaft: stainless steel.
Mechanical Seal: Ceramic - graphite.
Electric Motor: Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding.
Insulation: Class F.
Protection: IP 44.



CPM-Centrifugal Pump

CHFM-Centrifugal Pump

Capacity	up to 133 L/min(8 m³/h)
Head	up to 48m
Power	0.37~2.2kW(0.5~3HP)
Size	1"x1" / 1 ½"x1"

Liquid Type: Clean water
Type: Surface
Family: Centrifugal

APPLICATION LIMITS

Manometric suction lift up to 7 m
Liquid temperature up to +40°C
Ambient temperature up to +40°C

CONSTRUCTION

Pump Body: Cast iron.
Impeller: Stainless steel.
Motor Shaft: Stainless steel shaft.
Mechanical Seal: Ceramic - graphite.
Electric Motor: Cpm:Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding.
Insulation: Class F.
Protection: IP 44.



Capacity	up to 500L/min(30m³/h)
Head	up to 20m
Power	0.55~1.5kW(0.75~2HP)
Size	2"x2"

Liquid Type: Clean water
Type: Surface
Family: Centrifugal

APPLICATION LIMITS

Manometric suction lift up to 7 m
Liquid temperature up to +40°C
Ambient temperature up to +40°C

CONSTRUCTION

Pump Body: Cast iron.
Impeller: Brass or cast iron.
Motor Shaft: Stainless steel shaft.
Mechanical Seal: Ceramic - graphite.
Electric Motor: GHFm:Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding.
Insulation: Class F.
Protection: IP 44.



Centrifugal Pump

Circulation Pump

GHFM-Centrifugal Pump

Capacity	up to 1250 L/min(75 m³/h)
Head	up to 20m
Power	1.1~4kW(1.5~5.5HP)
Size	3"x3" / 4"x4"



Liquid Type: Clean water
Type: Surface
Family: Centrifugal

APPLICATION LIMITS

Manometric suction lift up to 7 m
Liquid temperature up to +40°C
Ambient temperature up to +40°C



CONSTRUCTION

Pump Body: Cast iron
Impeller: Brass or cast iron.
Motor Shaft: 304 stainless steel shaft.
Mechanical Seal: Ceramic - graphite.
Electric Motor: GHFM:Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding.
Insulation: Class F.
Protection: IP 44.

2CP(m)-Centrifugal Pump

Capacity	up to 233 L/min(14 m³/h)
Head	up to 61.6m
Power	0.75~3kW(1~4HP)
Size	1¼"x1" / 1½"x1" / 1½"x1¼" / 2"



Liquid Type: Clean water
Type: Surface
Family:Centrifugal

APPLICATION LIMITS

Manometric suction lift up to 7 m
Liquid temperature up to +90°C
Ambient temperature up to +40°C



CONSTRUCTION

Pump Body: Cast iron
Impeller: Brass with centrifugal radial flow type.
Motor Shaft: Stainless steel shaft.
Mechanical Seal: Ceramic - graphite.
Electric Motor: 2 CPm:Single-phase 230V-50Hz with confidence and thermal overload protector built into the copper winding
2CP: three-phase 380/400V-50Hz.
Insulation: Class F.
Protection: IP 44.

CPVM-Centrifugal Pump

Capacity	up to 170L/min(10.2m³/h)
Head	up to 1.20m
Power	0.37-3.7kW(0.5-5HP)
Size	1"x1" / 1¼"x1" / 1¼"x1¼" / 1½"x1½"



Liquid Type: Clean water
Type: Surface
Family: Multistage Centrifugal

APPLICATION LIMITS

Manometric suction lift up to 7 m
Liquid temperature up to +60°C
Ambient temperature up to +40°C



CONSTRUCTION

Water inlet, connector: electroplated cast iron
Impeller: PPO or Stainless steel
Guide vane: PPO
Pump barrel: AISI 304
Rotor shaft: 304 stainless steel shaft
Coils: copper wire
Bearings: C&U
Mechanical Seal: Ceramic/Graphite/Nitrile Rubber
Insulation class: B
Protection class: IP44

GEB-Circulation Pump

Capacity	up to 175L/min(10.5m³/h)
Head	up to 12m
Power	9~200kW
Size	1½" / 2" / DN32



Constant speed mode - three speed
Constant pressure mode
Proportional pressure mode
Automatic mode
Low noise
No leakage
Energy efficiency:Class A
Communication interface: optional with PWM control



APPLICATION LIMITS

Liquid temperature: +2°C~+110°C
Maximum ambient temperature: +40°C
Maximum system pressure: 10 bar
Protection level: IP44
Mains connection: 220V/50Hz
Pumped liquid characteristics: clean, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water.
Installation: the motor shaft must be kept in horizontal direction
PH: 6.5 to 8.5

2CP-Centrifugal Pump

Capacity	up to 567 L/min(34 m³/h)
Head	up to 160m
Power	4~22kW(5.5~30HP)
Size	1½"x1¼" / 2"x1¼" / 2"x1½" / 2"x2"



Liquid Type: Clean water
Type: Surface
Family: Centrifugal

APPLICATION LIMITS

Manometric suction lift up to 7 m
Liquid temperature up to +90°C
Ambient temperature up to +40°C



CONSTRUCTION

Pump Body: Cast iron
Impeller: Brass with centrifugal radial flow type.
Motor Shaft: Stainless steel shaft.
Mechanical Seal: Ceramic - graphite.
Electric Motor: 2CP:three-phase 380/400V-50Hz with condenser and thermal overload protector built into the copper winding.
Insulation: Class F.
Protection: IP 44.

CPM-S-Centrifugal Pump

Capacity	up to 175L/min(10.5m³/h)
Head	up to 100m
Power	0.24-2.1kW(0.3-2.8HP)
Size	1"x1" / 1¼"x1" / 1¼"x1¼"



Liquid Type: Clean water
Type: Surface
Family: Multistage Centrifugal

APPLICATION LIMITS

Manometric suction lift up to 7 m
Liquid temperature up to +40°C
Ambient temperature up to +40°C



CONSTRUCTION

Pump Body: Stainless steel.
Impeller: Stainless steel
Motor Shaft: 304 stainless steel shaft.
Mechanical Seal: Ceramic - graphite.
Electric Motor: CPM:Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding.
CP:three-phase 380/400V-50Hz.
Insulation: Class B.
Protection: IP 44.

UPS-Circulation Pump

Capacity	up to 160L/min(9.6m³/h)
Head	up to 15m
Power	38-270kW
Size	1" / 1¼" / 1½" / 2"



Canned motor
Low noise
No leakage

APPLICATION LIMITS

Liquid temperature: +2°C~+110°C.
Maximum ambient temperature: +40°C.
Maximum system pressure: 10 bar.
Protection level: IP44.
Mains connection: 220V/50Hz.
Insulation class: F.
Pumped liquid characteristics: clean, free from solids and mineral oil, non-toxic, chemically neutral, close to the characteristics of water.
Installation: the motor shaft must be kept in horizontal direction.
PH: 6.5 to 8.5.



CPH-Circulation Pump

Capacity	up to 333L/min(20m³/h)
Head	up to 22m
Power	72~1100kW
Size	DN25(1") / DN40(1½") / DN50(2")



Easy to install
High motor efficiency
Copper wire motor

APPLICATION LIMITS

Liquid temperature: +2°C~+100°C
Maximum ambient temperature: +40°C
Maximum system pressure 1 bar
Protection level: IPX4/IP22
Mains connection: 220V/50Hz
Pumped liquid characteristics: clean, free of solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water.
Installation: the motor shaft must be kept horizontal direction
PH: 6.5 to 8.5



Centrifugal Pump

Submersible Pump

GF(m)- Standard Centrifugal Pump

GCO(m)-Horizontal Stainless Steel Centrifugal Pump

Capacity	up to 6000L/min(240m³/h)
Head	up to 151m
Power	0.75~1kW(0.3~125HP)
Size	DN50×32 / 65×40 / 65×50 80×65 / 100×80

Liquid Type: Clean water
Typology: Surface
Family: Centrifugal

APPLICATION LIMITS

Manometric suction lift up to 7 m
Liquid temperature between -10 ~ 120°C
Ambient temperature up to + 40°C
Max. withstand pressure 16 bar

CONSTRUCTION

Pump Body: Cast iron
Impeller: cast iron / " " Stainless steel
Motor Shaft: Stainless steel.
Mechanical Seal: Ceramic - graphite.
Electric Motor: GFm: Single- phase 230V- 50Hz with condenser and thermal overload protector built into the copper winding.
GF: Three- phase 380/400V- 50Hz.
Insulation: Class F.
Protection: IP 55.



Capacity	up to 730L/min(43.8m³/h)
Head	up to 21m
Power	0.25~3kW(0.37~4HP)
Size	1¼"×1" / 1½"×1½" / 2"×2" / 2½"×2"

Liquid Type: Clean water
Typology: Surface
Family: Centrifugal

APPLICATION LIMITS

Medium temperature: standard model: -20~ + 70°C
high temperature: -20~ + 104°C
Environmental temperature: ≤ 50°C
Max.working pressure: 1 MPa

CONSTRUCTION

Pump Body: Stainless steel.
Motor Shaft: stainless steel .
Motor housing: Aluminum.
Mechanical Seal: Ceramic - graphite.
Electric Motor: Closed,externally ventilated.
Thermal protector: Single-phase.
Insulation: Class F.
Protection: IP 55.



GP- Submersible Pump

GPE- Submersible Pump

Capacity	up to 267 L/min(16 m³/h)
Head	up to 12m
Power	0.2~1.1kW(0.26~1.5HP)
Size	1" / 1¼" / 1½"

APPLICATION LIMITS

Maximum operating depth
5m below water level
Liquid temperature: + 35 °C
Ambient temperature: + 40 °C

CONSTRUCTION

Pump Body: Plastic.
Impeller: Plastic.
Motor Shaft: stainless steel.
Mechanical Seal: Ceramic - graphite.
Electric Motor: single-phase with condenser and thermal overload protector built into the copper winding.
Insulation: Class B.
Protection: IP X8.



Capacity	up to 233 L/min(16 m³/h)
Head	up to 9m
Power	0.2~0.7kW(0.26~1 HP)
Size	1" / 1¼" / 1½"

APPLICATION LIMITS

Maximum operating depth
5m below water level
Liquid temperature: + 35 °C
Ambient temperature: + 40 °C

CONSTRUCTION

Pump Body: Plastic.
Impeller: Plastic.
Motor Shaft: stainless steel.
Mechanical Seal: Ceramic - graphite.
Electric Motor: single-phase with condenser and thermal overload protector built into the copper winding.
Insulation: Class B.
Protection: IP X8.



QDX- Submersible Pump

GPQP- Submersible Pump

Capacity	up to 2167L/min(130m³/h)
Head	up to 33.5m
Power	0.18~3kW(0.25~4HP)
Size	1" / 1¼" / 1½" / 2" / 2½" / 3" 4" / 6" / 8"

APPLICATION LIMITS

Maximum immersion depth: 5 m
Liquid temperature: + 35 °C
Ambient temperature: + 40 °C
The maximum diameter of particles that can pass through:~2mm

CONSTRUCTION

Pump Body: Aluminum and cast iron
Impeller: Aluminum or POM
Motor Shaft: stainless steel
Mechanical Seal: Ceramic - graphite, ceramic - ceramic
Electric Motor: QDX single-phase 230V-50Hz with thermal overload protector built into the copper winding;
Insulation: Class B
Protection: IP X8



Capacity	up to 133L/min(8m³/h)
Head	up to 6.6m
Power	0.37kW(0.5HP)
Size	1"

APPLICATION LIMITS

Maximum operating depth
5m below water level.
Liquid temperature + 40 °C.
The PH value of the medium is between 6.5-8.5.

CONSTRUCTION

Motor: copper wire motor with built-in thermal protector.
Barrel: engineering plastic.
Pump shaft: 304 stainless steel shaft.
Bearing: Deep groove ball bearing 6201RS.
Mechanical seal: 108 series graphite to ceramic.
Impeller: Engineering plastic.



GV-Submersible Sewage Pump

GV-K-Submersible Sewage Pump

Capacity	up to 867 L/min(52 m³/h)
Head	up to 17.5m
Power	0.18~2.2kW(0.25~3HP)
Size	1" / 1¼" / 1½" / 2" / 3" / 4"

APPLICATION LIMITS

5 m maximum immersion depth
Maximum liquid temperature up to +35°C
Maximum ambient temperature up to +40 °C

CONSTRUCTION

Pump Body: Aluminum and cast iron
Impeller: Aluminum or POM
Motor Shaft: stainless steel
Mechanical Seal: Ceramic - graphite, ceramic - ceramic
Electric Motor: QDX single-phase 230V-50Hz with thermal overload protector built into the copper winding;
Insulation: Class B
Protection: IP X8



Capacity	up to 700 L/min(42 m³/h)
Head	up to 28m
Power	0.8~2.2kW(1.1~3HP)
Size	1½" / 2" / 3"

APPLICATION LIMITS

5 m maximum immersion depth
Maximum liquid temperature up to +35 °C
Maximum ambient temperature up to +40 °C

CONSTRUCTION

Pump Body: Cast iron.
Impeller: Cast iron with tungsten steel material cutter.
Motor Bracket: Stainless steel.
Motor Shaft: Stainless steel.
Mechanical Seal: Ceramic - graphite.
Electric Motor: Single-phase 230V-50Hz with condenser thermal overload protector built into the copper winding.
Insulation: Class F.
Protection: IP X8.



Deep well- Swimming Pool Pump

High Pressure Pump

4SRm-Deep well Pump

Capacity	up to 300L/min(18 m ³ /h)
Head	up to 388m
Power	0.37~5.5kW(0.5~7.5HP)
Size	1¼" / 1½" / 2"

CONSTRUCTION

Delivery Body: Stainless steel AISI 304
Diffuser:POM
Top chock:SUS304
Outlet:SUS304
Connector:SUS304
Pump Shaft: Stainless steel
Drive Coupling: Stainless steel AISI 304
Electric Motor: Oil lled rewindable motors (non- toxic oil for use with food) Single-phase 220V/ 230V-50Hz with condenser thermal overload protector built into the copper winding, equipped with start control box.
Insulation: Class F
Protection: IP 68

APPLICATION LIMITS

Medium temperature does not exceed +40°C;
Medium PH values between 6.5 and 8.5;
The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm; Diving depth does not exceed 70 meters; Min.
applicable well diameter: 4"



GF-HP- High Pressure Pump

GF-SP- Sewage Pump

<i>Single cylinder, 4-stroke, air-cooled</i>	
Connection Pipe Size	2"-3"
Q.max	30 - 55 m ³ /h
Max. lift	65-70m
Power	7-15HP (3600rpm)

Water Type: Clear water with no debris
Feature: High-Lift,portability, versatility, and high water-moving capacities.
Application scope: Products widely used in the plains, hills, mountain crops, orchards irrigation,construction plant, water pumping for mines and municipal drainage.

APPLICATION LIMITS

To transfer clean water with liquid temperature between 0°C and 40°C
Suction and head instructions:
Pump head: Vertical height of pump suction (rated)
Pump suction: Water suction to the vertical height of the pump (6-8m)
If it is horizontal Pumping use, it can reach 300 - 500 m...
CONSTRUCTION

CONSTRUCTION

Pump body: Aluminum alloy
Impeller: Cast iron peripheral vanes
Mechanical seal: Ceramic mechanical sealing
Starting system: Recoil
Ignition system: TCI



<i>Single cylinder, 4-stroke, air-cooled</i>	
Connection Pipe Size	3"-4"
Q.max	60 - 79m ³ /h
Max. lift	26-28m
Power	7-15HP (3600rpm)

Water Type: Clear and muddy water,with up to 3/4" Diameter solids
Feature: Sewage discharge,portability, versatility, and high water-moving capacities.
Application scope: Products widely used in the plains, hills, mountain crops, orchards irrigation,construction plant, water pumping for mines and municipal drainage.

APPLICATION LIMITS

To transfer clean water with liquid temperature between 0°C and 40°C
Suction and head instructions:
Pump head: Vertical height of pump suction (rated)
Pump suction: Water suction to the vertical height of the pump (6-8m)
If it is horizontal Pumping use, it can reach 300 - 500 m...

CONSTRUCTION

Pump body: Aluminum alloy
Impeller: Cast iron
Mechanical seal: Durable silicon carbide mechanical seal
Starting system: Recoil
Ignition system: TCI



GSU- Swimming Pool Pump

Capacity	up to 540L/min(32.4m ³ /h)
Head	up to 23m
Power	0.45~2.2kW(0.63~3HP)
FittingsSize	60.3 or 63

CONSTRUCTION

Pump body and base: polypropylene.
Impeller: PPO.
Diffuser: polypropylene.
Motor shaft: stainless steel.
Mechanical seal: silicon graphite.
Motor: two-pole single-phase motor, 220V/240V-50Hz, copper coil with built-in capacitor, with thermal overload protector.
Insulation class: Class F.
Protection level: IP55.
Max. suction lift: 1.5m.



APPLICATION LIMITS

Maximum liquid temperature up to +50 °C
Maximum ambient temperature up to +50 °C



GF- Clean Water Pump

<i>Single cylinder, 4-stroke, air-cooled</i>	
Connection Pipe Size	2"-6"
Q.max	30 - 170m ³ /h
Max. lift	3.6m
Power	5.5HP (3600rpm)

Water Type: Clear water with no debris
Feature: High-Lift,portability, versatility, and high water-moving capacities.
Application scope: Products widely used in the plains, hills, mountain crops, orchards irrigation,construction plant, water pumping for mines and municipal drainage.

APPLICATION LIMITS

To transfer clean water with liquid temperature between 0°C and 40°C
Suction and head instructions:
Pump head: Vertical height of pump suction (rated)
Pump suction: Water suction to the vertical height of the pump (6-8m)
If it is horizontal Pumping use, it can reach 300 - 500 m...



CONSTRUCTION

Pump body: Aluminum alloy
Impeller: Cast iron peripheral vanes
Mechanical seal: Ceramic mechanical sealing
Starting system: Recoil
Ignition system: TCI



Accessories

Accessories

GFAm1- Control

Voltage	220-240V / 110-115V
Starting pressure	1.5 / 2.28 / 3.5Bar
Current	10A
Size	1"x1"
Protection class	IP65



GFAm20P- Control

Voltage	90-260V
Starting pressure	1.0~10Bar
Current	10A
Size	1"x1"
Protection class	IP65



PS-02- Control

Voltage	220-240V / 110-115V
Starting pressure	5.4-7 / 8-11Bar
Current	12A
Size	F¾"
Protection class	IP20



PS-09- Control

Voltage	220-240V / 110-115V
Starting pressure	1.4-28Bar
Current	12A
Size	F¾"
Protection class	IP54



GFAm20- Control

Voltage	90-260V
Starting pressure	1.0~10Bar
Current	10A
Size	1"x1"
Protection class	IP65



FLO-1- Float Switch

Voltage	220-240V
Cable Size	3x0.75mm² / 3x1.0mm² / 3x1.55mm² 5cm / 60cm / 75cm / 2m / 3m / 5m / 10m
Current	16(12)A

