

1SC – Bottom Suction Drainage/Booster Pump



Submersible water pumps designed for pumping water out of reservoirs and storage tanks for delivery to the homes, farms, mobile home parks, motels, schools and hospitals, as well as servicing a number of municipal, industrial and commercial applications.

Features and Benefits

Casing: AISI 304 SS. Corrosion resistant, non-toxic, non-leaching

Impeller: FDA compliant, glass filled Noryl®. Corrosion and abrasion resistant Mechanical Seal: Silicon/carbide sealing faces; all metal components of AISI type 300 stainless steel running in protected oil chamber

Elastomers: BUNA-N

Motor Shell and Lifting Handle: Constructed of AISI type 304 series stainless steel Shaft: AISI type 304 stainless steel, high strength, keyed pump shaft with impeller locking cap screw

Discharge: 1 1/4" NPT vertical discharge connection

Suction Strainer: Detachable for easy clean out

Literature:

Technical Brochures

- [B1SC R2 1SC SUBMERSIBLE WATER PUMP](#)

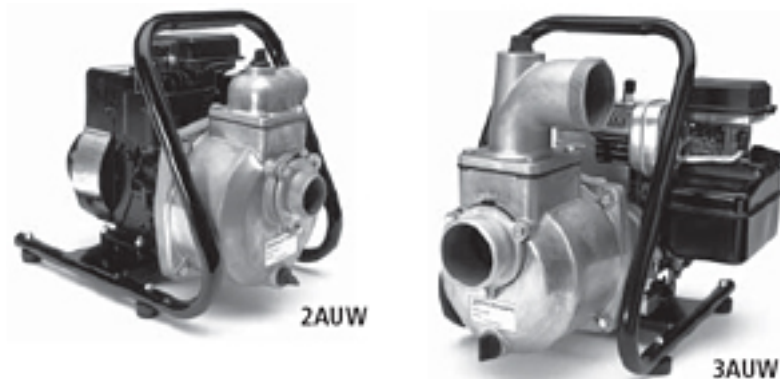
Installation/Operation Manuals

- [IM107 R4 Wastewater Pumps Dewatering, Effluent and Sewage](#)

Parts Lists

- [RSES R2 Sump, Effluent and Sewage Pump Repair Parts](#)

2AUW, 3AUW Gasoline Engine Driven Specialty Pumps



Residential, Commercial Gasoline Engine Driven Self-Priming Centrifugal Pumps Portable Contractor Pumps 2AUW, 3AUW

Features and Benefits

- Available in 2 Sizes
- Briggs and Stratton “Power Built” Engine
- Die Cast Aluminum Casing, Engine Housing and Volute
- Durable Cast Iron Impeller
- Fabricated Carry Handle Base, Rugged and Convenient.
- Injection Molded Hose Connectors and Suction Strainer
- Lightweight, Portable and Compact
- Multi-Position Discharge Connection
- Trouble Free Mechanical Seal

Literature:

Technical Brochures

- [BAU 2AUW/3AUW](#)

Installation/Operation Manuals

- [IM085 R03 2AUW/3AUW](#)

Parts Lists

- [RAU AU Repair Parts](#)

Agricultural Wastewater Submersible Chopper-F Pump



APPLICATIONS

• Dairy • Manure • General Agricultural

FEATURES

Impeller: ASTM A-532, hard iron, 251 chrome cast iron, two vane semi-open with screw shaped self-cleaning impeller. Balanced for smooth operation.

Casing: Heavy duty gray cast iron, ASTM A48, Class 35B. Volute type casing with 6", 125#, ANSI flanged, horizontal discharge.

Tungsten Mechanical Seals: Tungsten carbide lower seal and tungsten carbide inner seal, stainless steel metal parts, BUNA-N elastomers.

Shaft: 300 series stainless steel keyed design. Fasteners: 300 series stainless steel.

Capable of running dry temporarily without damage to seals or motor.

Hard-Iron insert ring

Hose connection and legs comes standard on 3085, 3102 and 1Ø 3127 only.

Literature:

Technical Brochures

- [BFLCHF R1 AG WW Chopper F Pump](#)

Agricultural Wastewater Submersible Mixer



APPLICATIONS

Used in a variety of farm applications including manure.

- Farm • General Agricultural

Propeller: Two bladed, 316 stainless steel propeller. Blades have large width, thin profile and smooth surface with a back swept design for optimum efficiency and non-clogging operation. The blades are laser cut to exacting tolerances.

Oil Casing: An environmentally friendly white paraffin based, FDA approved, non-toxic oil lubricates and cools the seals and acts as an additional barrier to prevent liquid from penetrating the motor area. Pressure build-up within the casing is reduced by an inner and outer oil compartment design which transports any foreign liquids away from rotating components. Casing is constructed of vinyl ester for shock and chemical resistance.

Active Shaft Seals: Outer mechanical seals isolate the oil housing and surrounding liquids and is tungsten carbide lapped end faced running in oil. Inner mechanical seal operates between oil casing and stator casing. Only seal faces operate in the mixed media, all other components are within motor housing. One seal face of the inner seal pair has laser etched spiral grooves. As the seal rotates, these grooves act to pump any leakage back into the oil casing from out of the stator housing.

Shaft: Motor shaft and rotor are a single integral unit. Shaft is completely isolated and cannot come in contact with the mixed media.

Bearings: Bearings are rated in excess of 100,000 hours of operation (L-10aa rated life). Shaft is supported by a single row angular contact ball bearing and single row cylindrical roller bearing, plus a heavy duty single row angular contact ball bearing on the propeller side.

Monitoring Equipment: The stator incorporates three thermal switches connected in series (one in each phase) which open at 260o F (125o C).

Literature:

Technical Brochures

- [BFLMXR R1 AG WW Mixer](#)

Agricultural Wastewater Submersible N Pump



APPLICATIONS

• General Agricultural • Farm • Dairy

FEATURES

Impeller: Cast iron, Class 35B N-style Flygt, non-clog design with semi-open multivane back swept design. Balanced for smooth operation.

Casing: Heavy duty gray cast iron, ASTM A48, Class 35B. Volute type casing with 125#, ANSI flanged, horizontal discharge.

Tandem Mechanical Seals: Tungsten carbide outer seal and ceramic vs. carbon inner seal, stainless steel metal parts, BUNA-N elastomers. Upper and lower shaft seals are positioned independently and are separated by an oil-filled chamber.

Shaft: Stainless steel, ASTM A479

Permanently grease lubricated bearings. Upper bearing shall be single deep groove ball bearing. The lower two row angular contact bearing compensates for thrust and radial force.

Cast-Iron insert ring

3085 and 3102 standard guide pin supplied for prevention of clogging

Literature:

Technical Brochures

- [BFLN R1 AG WW N Pump](#)

Evacuator 8000



HIGH FLOW PORTABLE UTILITY PUMP FOR OFF GRID APPLICATIONS

Developed in response to customer feedback, the Evacuator 8000 is the latest edition to the tried and tested Centrifugal Pump product line. Designed to give the consumer an alternative to gas- or diesel-powered portable pump units, the Evacuator 8000 uses DC power readily available from a 12v car or vehicle battery. With an open flow rate of 8000 GPH* the Evacuator 8000 pump is the perfect product for any work environment that requires fast, efficient removal of water or in the event of a flood emergency.

The Evacuator 8000 can be used in various ways, including:

- Bunker water drainage on golf courses
- Emergency basement flood water removal
- Man hole flood water removal
- On the water boating emergency

The Evacuator 8000 presents many advantages over the current portable offerings

- Draws power directly from a 12v vehicle battery
- Heavy-duty battery clips and an on/off switch are incorporated in the 25-foot cable assembly
- Able to run dry for extended periods of time
- Superb solids handling capabilities
- Rugged design for harsh environments
- Thermal overload and circuit breaker protection in the event of a locked rotor

Pump Specifications

Flow: 8000 GPH (30283 LPH)

Voltage: 12Vdc

Amp Draw: 30 amps

Fuse Size: Circuit Breaker Included

Port Configuration: 3in outlet

Height: 8 1/2in (215mm)

Width: 12in (305mm)

Product Weight: 12lbs (4.9kg)

Literature:

Brochures

- [BREVAC Evacuator 8000 HIGH FLOW PORTABLE UTILITY PUMP FOR OFF GRID APPLICATIONS](#)

RainPerfect Solar Powered Rain Barrel Pump System



The RainPerfect pump and solar panel install easily and provide plenty of pressure to run water through a garden hose. The pump provides enough pressure to run most low pressure sprinklers, wash a car or water just about anything around your home.

A convenient solar panel captures natural energy from the sun eliminating the need for electrical power to charge the battery. This makes the RainPerfect pump ready to go anywhere, anytime and involves no additional utility cost for you.

Model No.: RB280-100

Features and Benefits

- Provides pressurized pumping through a garden hose (13 PSI)
- Runs on a solar rechargeable (NiMH) battery for operation anytime, day or night
- Connects to all standard garden hoses
- Easy operation and installation
- Adaptable to most style rain barrels
- Pumps up to 100 gallons of water on a single charge

Literature:

Brochures

- [BRRAINBRL RainPerfect Solar Powered Rain Barrel Pump](#)

Installation/Operation Manuals

- [RainPerfect Solar Powered Rain Barrel Pump System Owners Guide](#)
- [RainPerfect Sistema de bombeo activado por energía solar para depósitos de agua fluvial \(Spanish\)](#)

SE – Multi-Stage, Bottom-Inlet, High Head Submersible Pump



FOR POTABLE WATER BOOSTER AND FILTERED EFFLUENT SERVICE MULTI-STAGE, BOTTOM-INLET, HIGH HEAD SUBMERSIBLES

FEATURES

Casing: AISI 304 SS. Corrosion resistant, non-toxic, non-leaching.

Impeller: FDA compliant, glass filled Noryl®. Corrosion and abrasion resistant.

Mechanical Seal: Silicon carbide sealing faces; all metal components of AISI type 300 stainless steel running in protected oil chamber.

Elastomers: BUNA-N.

Suction Strainer and Motor Shell: Constructed of AISI type 304 series stainless steel.

Shaft: AISI type 304 stainless steel high strength keyed pump shaft with impeller locking cap screw.

Discharge: 1 1/4" NPT vertical discharge connection.

Suction Strainer: Detachable for easy clean out.

Literature:

Technical Brochures

- [BSE SE For Potable Water Booster And Filtered Effluent Service Multi-Stage, Bottom-Inlet, High Head Submersibles](#)

Installation/Operation Manuals

- [IM107 R4 Wastewater Pumps Dewatering, Effluent and Sewage](#)
- [TTECHS R4 Wastewater Technical Manual](#)