

Self-Priming CENTRIFUGAL pumps

Proven Performance

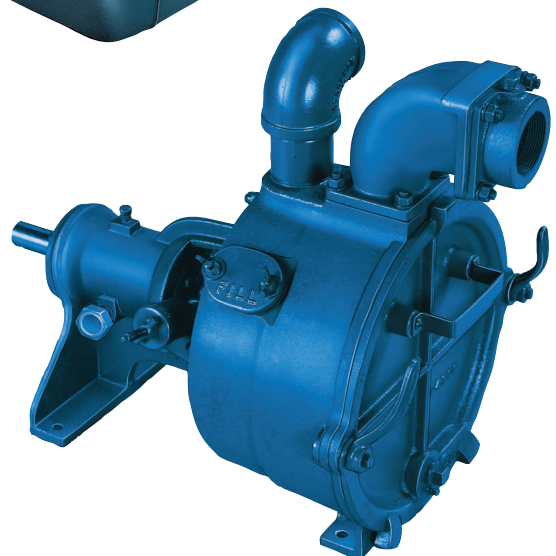
Barnes® and Crown® offer a broad range of engineered self-priming centrifugal pumps for a variety of light to heavy-duty wastewater applications. Designed specifically for unscreened raw sewage or industrial waste applications, Barnes and Crown pumps are a reliable choice. These pumps are available in 1½" through 10" discharge sizes and can handle spherical solids up to 3" in diameter depending on pump model and size.

With heads to 184' and capacities to 4400 GPM at 160°F continuous media temperature, Barnes and Crown self-priming pumps deliver efficient hydraulic coverage. The power frames are completely sealed against contaminants, and bearings are grease lubricated, thus reducing long term maintenance and operating costs of the pump.

Applications

Barnes and Crown self-priming centrifugal pumps offer rugged reliability, quality and performance for versatile applications.

- *Marine*
- *Municipal*
- *Industrial*
- *Corrosive Fluids*



Solids Handling Self-Priming Centrifugal Pumps



Crown Pumps Combine Rugged Reliability With Top Performance

Versatile

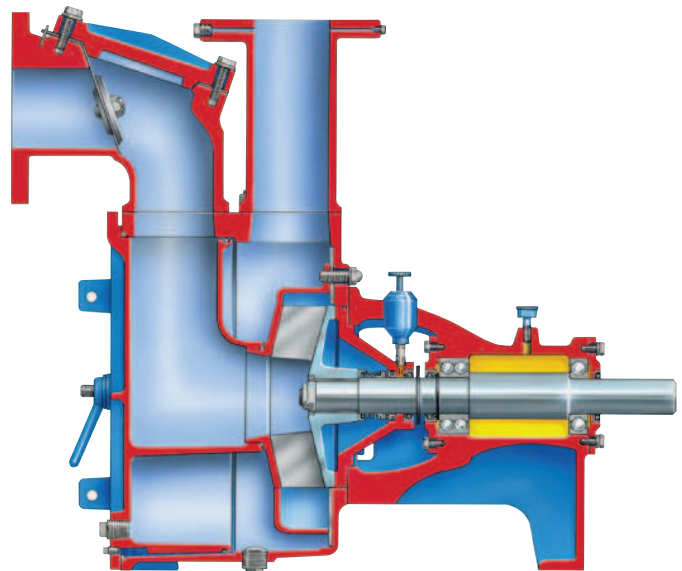
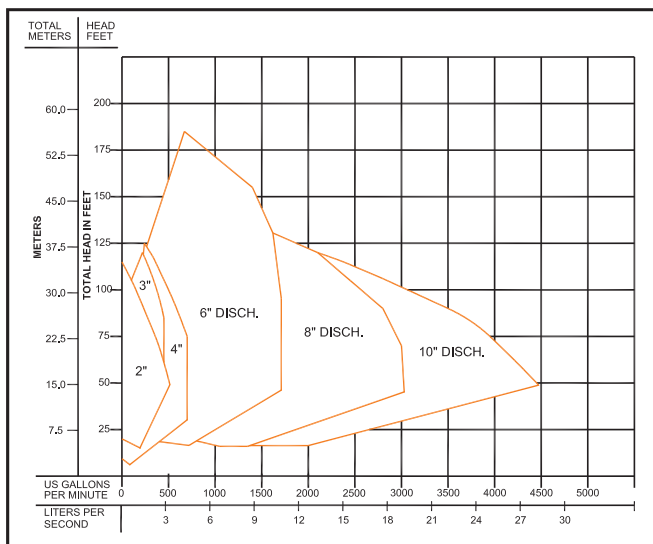
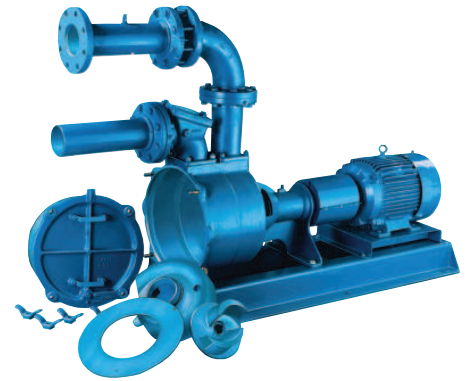
- Municipal
 - Lift Stations
 - Sewage Treatment
 - Digested Sludge
- Industrial
 - Raw Water
 - Liquid Transfer
 - Cooling Tower
 - Wastewater
 - Barge Stripping
- Marine
 - Bilge
 - Ballast
 - Portable Water Transfer

Efficient

- Peak Efficiencies to 80% require less horsepower and reduced energy usage for operating cost savings
- Model for model, the most efficient solution to your self-priming pump needs

Proven Performers

Hydraulic design features open 2-vane type impeller delivering capacities to 4,400 GPM and heads to 204 ft. while handling spherical solids to 3".



Pump Drives and Options for your special needs

Drive Options

- Vertical and horizontal base mounted V-belt drive units in 2",3",4",6",8" and 10" pump sizes driven by 3/4 through 100 hp electric motors
- Direct drive

Mounting options

- Bare pump
- Heavy-duty fabricated steel base with or without motors



CRANE[®]

A Crane Co. Company

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BARNES[®]

burks[®]

DEMING[®]

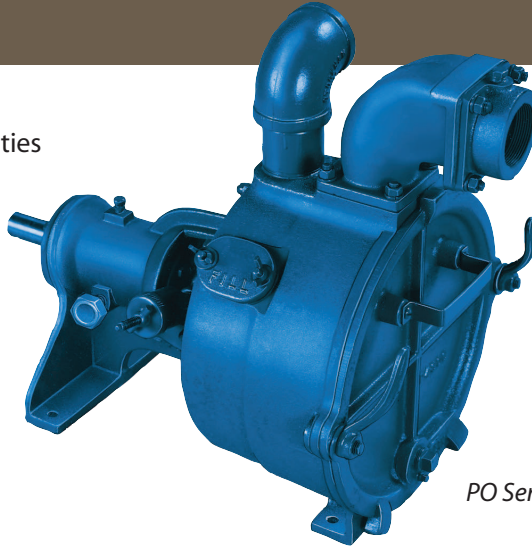
WEINMAN[®]

CROWN

PROSSER[®]

2" Universal Drive

Solids Handling pumps offer exceptional liquid transfer capabilities and are designed to pass up to 1 1/4" spherical solids. Capacities to 210 GPM, heads to 100 ft. Suction/discharge size: 2", female, NPT.



PO Series

3", 4", & 6" Universal Drive

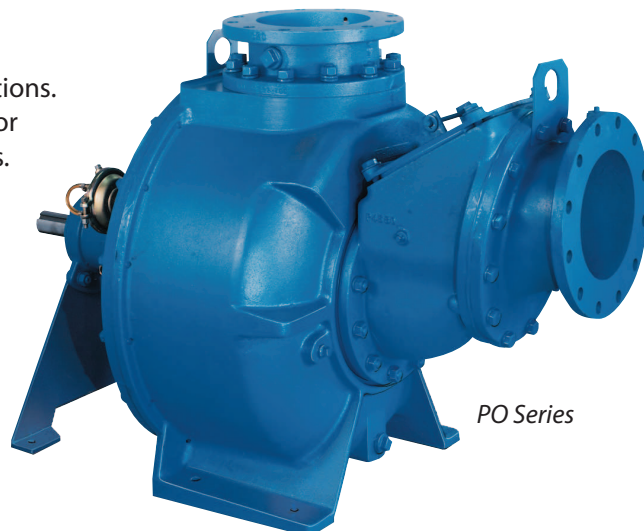
Ideally suited for industrial or municipal waste application, the 3", 4" and 6" pump models are proven performers which pass up to 3" spherical solids. Available in a wide variety of models, capacities to 1,650 GPM, heads to 184 ft. Suction/discharge sizes (125#ANSI Flanged): 3", 4" and 6".



PO Series

8" & 10" Universal Drive

8" and 10" self-priming pump models deliver maximum performance in all sewage and waste handling applications. They pass 3" spherical solids and are the ideal product for high volume trash, sewage and wastewater applications. Available in a wide variety of models with capacities to 4,400 GPM and heads to 143 ft. Suction/discharge sizes (125#ANSI Flanged): 8" and 10".

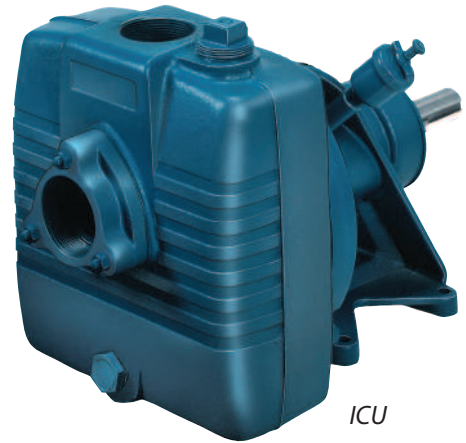


PO Series

Industrial and Marine Self-Priming Centrifugal Pumps • Designed for the Broadest Range of Services and Needs

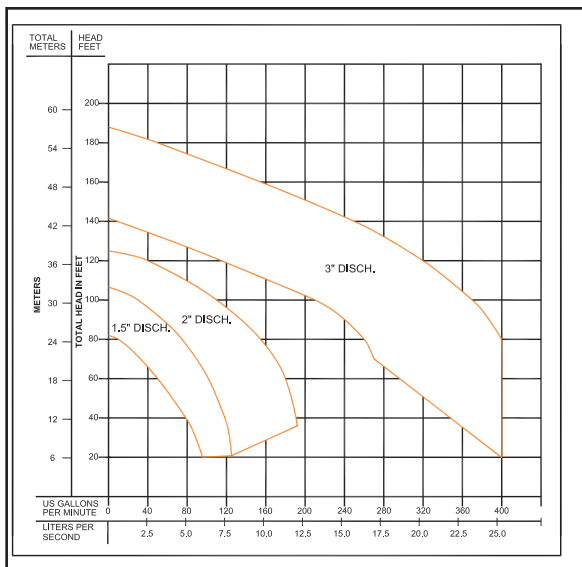
1-1/2", 2" & 3" Universal Drive

An economical pump for circulation or transfer service, 1-1/2", 2" and 3" industrial pumps are available in class 30 cast iron construction. These pumps offer abrasive wear-resistance due to erosion, and maximum strength for heavy duty applications. These pumps are suitable for engine, electric motor or hydraulic drives, with capacities to 400 GPM and with total dynamic heads to 184 ft.



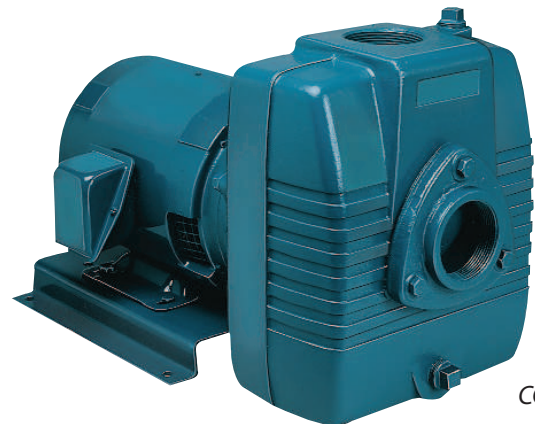
ICU

ICU/CCE



1-1/2", 2" and 3" Electric Drive

A good choice for marine as well as municipal and industrial applications, these close-coupled electric drive pumps are available in five models. Features include: rugged class 30 cast iron construction; open trash-type impellers; stainless steel pump shafts with carbon/ceramic mechanical seal faces; and NPT female suction/discharge ports. NEMA L single phase and NEMA B three phase motors are offered in 1-1/2 hp through 15 hp sizes. Standard motors for 2" and 3" pumps can be selected to meet design criteria for Marine Duty per USCG259 and AIEEE-45, 50°C ambient. Capacities to 400 GPM and heads to 188 ft.



CCE

Solids Handling Self Priming Features

Versatile and Efficient

- Various models and configurations
- Five discharge sizes with capacities to 4400 GPM and heads to 143 ft.
- Highest overall efficiency

Optional features:

- Tungsten carbide or silicon carbide mechanical seal
- Case heater
- Thermostat for case heater
- Viton elastomers
- Stainless steel shafts or shaft sleeves optional on some models

Designed for the Broadest Range of Services and Needs

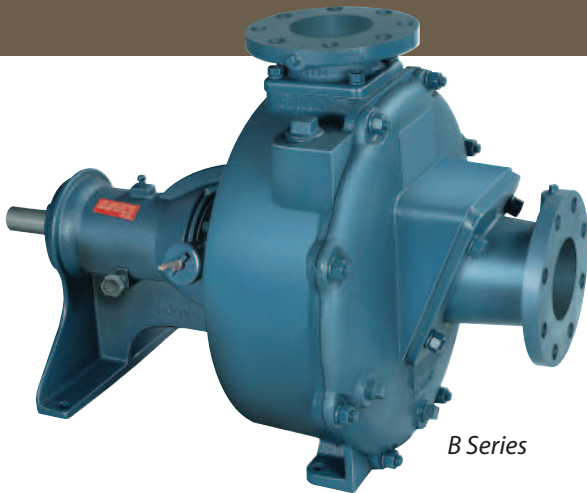
Wide application

Marine
Chemical processing
Petrochemical
Pulp & paper
Agriculture
Energy
Textile

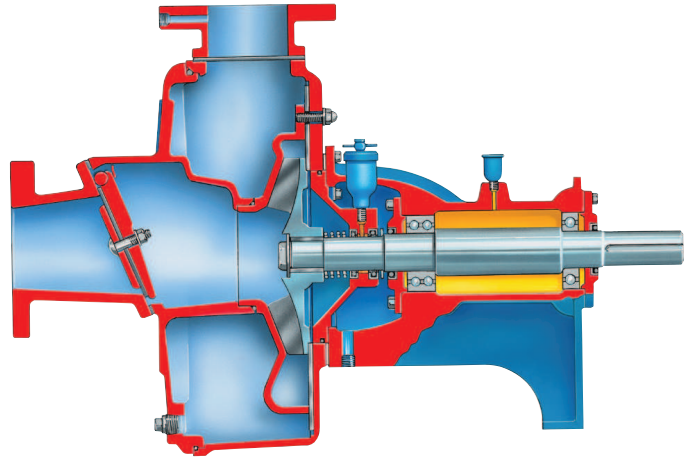
Typical Services

Raw water
Booster services
Liquid fertilizer
Seawater
Cooling and recirculation
Washdown

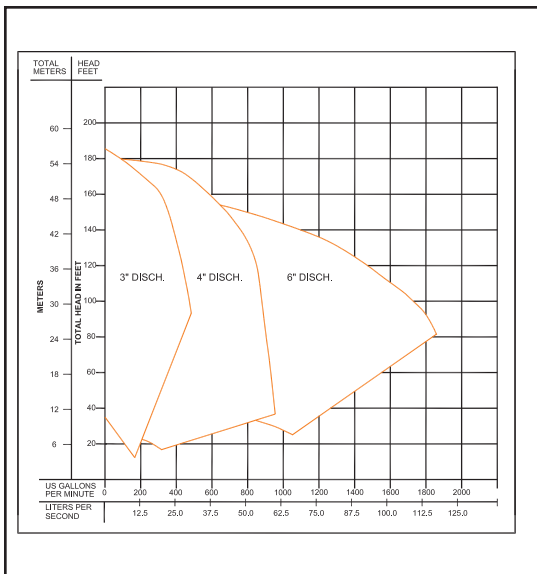
3", 4" & 6" Universal Drive



B Series



Universal Drive



These industrial self-priming pumps are constructed of rugged class 30 cast iron and designed for the most demanding applications. The dynamic flow relationship between the volute and the 5-vane impeller provides the high volumetric and hydraulic efficiencies unattainable with other self-priming pump designs. 3", 4" and 6" pumps exhibit minimal wear in a wide variety of industrial applications, adding to overall product reliability and everyday savings on operation. These dependable industrial pumps offer capacities to 1875 GPM and heads to 156 ft.