

Liberty

Process Equipment, Inc.



Justice Series Progressive Cavity Pumps

LIBERTY PROCESS EQUIPMENT, INC.

JUSTICE SERIES

PROGRESSIVE CAVITY PUMPS

The Liberty Process Equipment, Justice series pump is a rugged, open throat suction design progressive cavity pump. Progressive cavity pumps are typically used for pumping highly viscous and abrasive fluids. The Justice series pump is supplied with a rectangular hopper on the pump suction. Inside the rectangular suction hopper, the pump connecting rod is fitted with an auger. As the pump turns, the auger forces the fluid into the pump rotor and stator pumping elements.

The Justice series progressive cavity pump is used in difficult pumping applications where the liquid has a higher viscosity and/or solid content and has some resistance to flow on its own. The rectangular suction hopper allows you to bolt it into your existing system under whatever feeding process you have. We can also provide a larger hopper, above the pump suction hopper, to meet your pumping system needs. When in use, gravity will then feed the liquid down into the pump auger where it will then be force fed into the pump rotor and stator pumping elements.



JUSTICE Series

- (8) pump sizes in cast iron and stainless steel
- Flows to 600 GPM, Discharge Pressures to 250 PSI
- Up to 2 inch solid sizes
- Up to 150,000 centipoise viscosity



9.75" 9.75" 9.75"

31.4375"

7.625"

17.25"

46.

1.5"

Discharge
Internal Thread
"PT 6"

Typical pumping applications where the Justice series pump is used is for pumping dewatered sludge in municipal and industrial wastewater applications, pumping spent grain in breweries, waste product in food processing plants like potato peels, fish waste, chicken and beef waste and byproducts and pumping grapes and must in wineries just to name a few.

For liquids that have even lower levels of moisture, sometimes the liquid “bridges” above and does not fall into the pump auger. This can cause the pump to run dry and damage the pump stator. Liberty also supplies an optional bridge breaking device, mounted above the pump auger, which will force the liquid down into the auger and remove any chance of bridging and dry running.

Liberty offers 8 standard pump sizes of the Justice series pumps with flow ranges from a fraction of a gallon up to 600 GPM. Justice series pumps can handle solid sizes up to 2 inch in diameter and liquid viscosities up to 150,000 Centipoise. Pumps are manufactured in cast iron and in stainless steel wetted parts. Justice series pumps are typically stocked in our facility and all spare parts are stocked for immediate shipment. Liberty also provides complete pump packages with steel and stainless steel baseplates and electric and hydraulic motors to meet your pumping requirements. Please contact us at sales@libertyprocess.com or call (847) 640-7867 for an immediate offer for a pump, pump system or spare parts from one of our sales engineers.



PUMPS & SPARE PARTS

In addition to Justice Series Pumps, Liberty Process Equipment, Inc. has been recognized as America's leading source for aftermarket replacement progressive cavity pumps, pump parts and pumping solutions for most of the popular brands of progressive cavity pumps in use today for over a decade.

Liberty Process Equipment offers same day shipment on a full line of high-quality drop-in progressive cavity pump parts. Save money and more importantly time by being able to get the in-stock parts you need at a price that's right for your budget.

All of our progressive cavity pumps and parts come with a full money-back guarantee for your total satisfaction, are made under ISO 9001 quality control standards and are performance tested for optimal application use.

Liberty maintains a large inventory of pumps and parts at our facility in Illinois available for immediate shipment. Pumps and pump parts offered for sale by Liberty Process Equipment, Inc. are made in the United States, Germany, India, Spain, Argentina, and Brazil.



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