

ROTATING RIGHT

LIBERTY PROGRESSIVE CAVITY PUMPS

*Liberty Process...
A Commitment
to Pump Quality*



LD
LIBERTY
PROCESS

Liberty Process Equipment is committed to the development and production of manufacturing only high quality pumps that deliver outstanding efficiency and constant reliability for you; our customer. Backed by over fifty years of progressive cavity pump product sales and technical service experience, we are able to offer you the best knowledge and broadest resources available today. Our pledge... to provide you with the utmost assistance, expertise and products for assurance of achieving maximum performance, dependability and versatility in your pump processing operations.

American Pump Series

You will realize the added benefits of an American Pump Series Progressive Cavity Pump from the very beginning. Not only do you receive the highest quality general purpose pump for both commercial and industrial applications, but also the total support, expertise and resources from our factory-trained sales and service technicians. Our staff will provide you the most effective answer for your pump application needs. Pumps are available from our inventory for immediate shipment.

A Precision Design

American Pump Series Progressive Cavity Pumps are designed with a singular helical rotor that eccentrically turns within a double threaded helical stator of twice the pitch length. This unique design feature creates series of sealed cavities, 180 deg. apart, from suction to discharge. A constant, non-pulsating fluid flow is produced as the opposing cavities empty and fill simultaneously. Identical efficiency is always achieved, without additional attachments, whatever the flow direction or operating position requirement. These self-priming pumps are ideal for abrasive, low or high viscosity, delicate, shear-sensitive, corrosive or insoluble fluids.

Perfect Combinations

The American Pump Series elastomer stator is offered in Buna, Viton, EPDM or Natural Rubber, with a chrome plated stainless steel rotor. They can be tailored to your specific requirements from a choice of 96 standard pump models in various construction materials with capacities to 25 GPM, pressures to 150 PSI and temperatures to 350 deg. F.

For longer life, every American Pump Series Progressive Cavity Pump is constructed with only the highest quality materials and contain separately greased, sealed bearings and a protected universal joint. Closed coupled versions are also available to NEMA C face motors.

American Pump Series Unique Features

- 6 Pump Sizes up to 40 GPM
- Up to 150 PSI Discharge Pressure
- In Both Cast Iron and Stainless
- Stators: Buna, Viton, EPDM & Natural Rubber
- In Both Long and Closed Coupled Versions
- Mechanical Seal or Packing
- Many Models to Choose From
- Mechanical Seal or Packing Gland Configurations
- In Stock Delivery



For added abrasion-resistance and increased compression, the innovative elastomeric "wobble" stator is designed to deform slightly and accommodate solid particles in suspension.





LIBERTY SERIES
Standard Flange Pumps



JUSTICE SERIES
Open Throat Pumps

Easy Maintenance with the Simple Pin-Type Universal Joint Drive Assembly

Modular Design

Available in Many Types of Construction Materials

Capacities to 400 GPM

Pressures to 450 PSI



FREEDOM SERIES
Sanitary Pumps

For Ultrapure Applications

Handles Food, Cosmetics and Pharmaceutical Products

Contamination-Free, CIP Capabilities Design

Various Stator Materials Available Meets 3A, USDA, FDA and BISS Sanitation Requirements

Chrome-Plated Stainless Steel Rotors

Corrosion Resistant Finishes to 240 grit

Capacities to 300 GPM

Pressures to 350 PSI

Designed For Fluids with High Solids Content and viscosity

Unobstructed, Wide-Open Suction Hopper Configuration

Auger Assembly for Positive Feed of Viscous Materials

Capacities to 440 GPM

Pressures to 350 PSI

Engineered Pumps Design Benefits

Handles Fluid Temperatures to 350 ° F

High Pressures Capabilities

Reversible Rotation

Suction Lift to 28 FT

Steady Flows Under Wide NPSH Variations

Handles Solids up to 1 Diameter

Easy, On Site Maintenance

Complete Seal Flush Systems

Complete Pump Systems



Every Liberty Process Equipment Series Progressive Cavity Pump is manufactured to meet maximum operation efficiency and performance. No matter which innovative feature you may choose from the wide available selection, rest assured of your total satisfaction in the many pump benefits and economics you will receive. All pumps are made under ISO 9001 quality and performance tested.

At Liberty Process Equipment we are dedicated to meeting our customers needs by providing special pump solutions with advance technology, exceptional quality, competitive pricing and outstanding support. Backed by over 50 years of pumping solutions and expertise, we understand that every situation is important, unique and often urgent. Whether you're an OEM, Engineer, Contractor or User, you'll benefit from our professional approach to quality and responsive service.

The progressive cavity specialty pump lines offered, serve the chemical, food, municipal, utility, dairy, brewery, petrochemical, pharmaceutical, textile and general industrial markets. All of our top quality, innovative pump systems will provide excellent and reliable performance for your hard to handle pump applications.

With our nationwide network of authorized distributors, you're assured of receiving prompt warranted repairs and always only genuine Liberty Process Equipment replacement parts. You can depend on our parts and maintenance service to keep your operation constantly running at the utmost productivity. But, when an unexpected problem does occur, our factory trained service technicians are ready anytime to help. For our full line, visit us on the web, at www.libertyprocess.com

For further assurance of uninterrupted pump performance. Liberty Process Equipment offers:
Stock Pumps & Spare Parts

Same Day Deliveries

Return/Repair Service

On Site Repair Service

Preventive maintenance programs and service contracts

On site startup seminars and maintenance training

Complete Pump Packages

Complete Seal Flush Systems

ISO 9001 Certified

AutoCad Drawings

Full Technical Submittals

See Our E Commerce Website:
libertyprocess.com

100% Money Back Guarantee



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