NEW

PERIBEST

PERISTALTIC

PUMPS

HEAVY DUTY HOSE PUMPS WITH XXL ROLLERS

NEWEST PERISTALTIC TECHNOLOGY

- Maximum resistance to abrasion
- Unmatched suction capability
- Indefinite dry running
- No valves or mechanical seals
- Gentle and reversible pumping
- Full dosing control
- Industrial, chemical and food-grade versions
- Dosing accuracy of ±1%

Assembled in the USA and shipped from Granzow’s exclusive, dedicated pump production facility in North Carolina. Hundreds of configurations are stocked and ready to ship within 2-3 days!
**ADVANTAGES OVER OTHER PUMP TECHNOLOGIES:**

<table>
<thead>
<tr>
<th>VS</th>
<th>Hose pumps with shoes</th>
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<tbody>
<tr>
<td>➤</td>
<td>Up to 30% in energy savings</td>
</tr>
<tr>
<td>➤</td>
<td>Easier hose replacement</td>
</tr>
<tr>
<td>➤</td>
<td>Wider range of operation</td>
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<tr>
<td>➤</td>
<td>Lower starting torque</td>
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<table>
<thead>
<tr>
<th>VS</th>
<th>Progressive cavity pumps</th>
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<tbody>
<tr>
<td>➤</td>
<td>Allows dry running</td>
</tr>
<tr>
<td>➤</td>
<td>No mechanical seals</td>
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<tr>
<td>➤</td>
<td>Easier pumping of corrosive products</td>
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</tbody>
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<table>
<thead>
<tr>
<th>VS</th>
<th>Diaphragm dosing pumps</th>
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<tbody>
<tr>
<td>➤</td>
<td>Easier to install</td>
</tr>
<tr>
<td>➤</td>
<td>Greater suction</td>
</tr>
<tr>
<td>➤</td>
<td>Better performance with solid and viscous media</td>
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<table>
<thead>
<tr>
<th>VS</th>
<th>Air operated diaphragm pumps</th>
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<tbody>
<tr>
<td>➤</td>
<td>Incomparable efficiency</td>
</tr>
<tr>
<td>➤</td>
<td>No valves (improves pumping of solids)</td>
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</tbody>
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**TRANSFERRING AND DOSING DIFFICULT MEDIA WITH EASE**

<table>
<thead>
<tr>
<th>Abrasive</th>
<th>Lime milk, activated carbon, sludges, slurries, etc.</th>
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</thead>
<tbody>
<tr>
<td>Corrosive</td>
<td>Sodium hypochlorite, ferric chloride, hydrochloric acid, etc.</td>
</tr>
<tr>
<td>Viscous</td>
<td>Water-based glues, greases, creams, resins, etc.</td>
</tr>
<tr>
<td>Sensitive</td>
<td>Latex, polymers and flocculants, food products, etc.</td>
</tr>
</tbody>
</table>
NEWEST PERISTALTIC HOSE TECHNOLOGY
High quality hose created with a unique manufacturing process: an extruded inner layer, high-density textile reinforcement and precision machined outer layer that ensures perfect compression and quick installation. Made from materials that are compatible with all types of media under various working conditions. Precise performance even in extreme temperatures or abrasive/corrosive conditions. *PROVIDES A LONGER HOSE LIFE WITH FAST, EASY REPLACEMENT.*

EXTREMELY HEAVY DUTY DESIGN
Integrated oversized bearings to withstand axial loads, large metal rollers with oversized bearings, a secure and reliable connection system and robust construction materials create the ideal pump for continuous working conditions. OFFERS UNRIValed PUMP LIFE AND SUPERIOR PERFORMANCE IN THE HARSHEST CONDITIONS.

EASY TO ASSEMBLE, OPERATE AND MAINTAIN
Fast and simple assembly, commissioning and maintenance. An innovative pump design allows for easy roller disassembly and quick hose replacement, resulting in less downtime. Maintenance-free pump with lubricated-for-life system requires only a small amount of lubricant, producing minimal waste. DECREASES COST AND DOWNTIME.

XXL ROLLER TECHNOLOGY
Excellent hose compression with no friction results in unmatched efficiency. Large rollers create a longer hose life, low energy consumption, minimal starting torque and a very wide frequency range. GENERATES MAJOR ENERGY SAVINGS AND A HIGHER NUMBER OF HOSE WORKING HOURS.
CHEMICAL VERSION

A totally anticorrosive solution for dosing or transferring acids and other corrosive products.

RECOMMENDED APPLICATIONS FOR THE CHEMICAL VERSION:
- Sodium hypochlorite dosing
- Ferric chloride dosing
- Hydrochloric acid dosing
- Sulphuric acid dosing
- Other acidic liquids

THIS VERSION INCLUDES:
- The newest peristaltic hose technology in NR, EPDM or Hypalon®
- TEFZEL® coated front cover and housing
- Plastic connections in polypropylene or PVDF
- Hose leakage sensor
- Pump and roller lip seals in EPDM
- Corrosion resistant rollers
- Drainage system
FOOD-GRADE VERSION

A completely sanitary heavy duty hose pump that eases clean-in-place processes

RECOMMENDED APPLICATIONS FOR THE FOOD-GRADE VERSION:

► Transferring juices and sauces
► Dosing additives, colorings, flavorings and enzymes
► Pumping drinks, dairy, confectionery and other food products
► Yeast pumping
► Oil pumping
► Wine transferring

THIS VERSION INCLUDES:

► The newest peristaltic hose technology in FDA certified, food-grade NBR
► DIN 11851 or tri-clamp sanitary connections
► Easy to remove front cover and rollers accelerate CIP processes
► Stainless steel base plate and cover
► Sanitary white painted housing
Pumps are in continuous use in the water treatment industry. PeriBest peristaltic hose pumps are constructed using strong materials, integrated bearings, large-size rollers and secure connections that prevent leaks. The chemical version is the perfect choice for dosing highly corrosive products such as sodium hypochlorite or ferric chloride. A heavy duty design, drainage system and the newest hose technology minimize downtime. Sludges, slurries, high solids media and abrasives such as lime milk are never a problem.

WATER TREATMENT

WATER TREATMENT APPLICATIONS:

- Transferring sludges and slurries
- Dosing activated carbon and lime milk
- Dosing sodium hypochlorite and ferric chloride
- Dosing polymers and flocculants
- Sampling

BENEFITS:

- Highly resistant to abrasion when transferring sludges and slurries or highly abrasive products such as lime milk and activated carbon
- Suction capacity up to 9.5 mWc
- Easy to assemble, operate and maintain
- Heavy duty design allows 24/7 continuous use
- Gentle pumping for dosing polymers and flocculants
- Maximum efficiency
- Constructed with materials that are resistant to highly concentrated acids
- Pumping gaseous products indefinitely
CHEMICAL INDUSTRY

The chemical industry demands durable equipment with a high technical performance. PeriBest’s heavy duty design, TEFZEL® coated front cover and housing, plastic connections, hose leakage sensor, drainage system and newest hose technology in NR or EPDM create a chemical, abrasion and corrosion resistant pump. High suction, dry running, high viscosity media and the presence of gases are never a problem. Easy to assemble and maintain, the chemical version heavy duty hose pump minimizes replacement part and downtime costs.

CHEMICAL INDUSTRY APPLICATIONS:

- Dosing pigments and water-based paints
- Transferring highly abrasive products like titanium dioxide
- Dosing resins
- Dosing detergents, creams and water-based glues
- Dosing of acids and other corrosive chemicals

BENEFITS:

- Highly resistant to abrasion when transferring sludges and slurries or highly abrasive products such as lime milk and activated carbon
- No mechanical seals or valves (for pumping difficult, viscous, sticky or high solids media)
- Easy to assemble, operate and maintain
- Heavy duty design allows 24/7 continuous use
- Constructed with materials that are resistant to highly concentrated acids
- Pumping gaseous products indefinitely
Energy and water savings during metal extraction and separation processes are a priority for the mining sector. Reduction in water consumption during separation and recirculation while pumping high solids media is possible with PeriBest’s abrasion resistant pump with no mechanical seals or valves. The easily removable peristaltic hose made from an extruded inner layer, high-density textile reinforcement and precision machined outer layer ensures perfect compression. A heavy duty construction that is simple to assemble and maintain, reduces downtime and decreases maintenance costs. Gentle pumping and accurate dosing maximize efficiency in the polymer dosing process, reducing delicate raw material costs.

**MINING INDUSTRY APPLICATIONS:**

- Transferring mineral pulp, sludges and slurries
- Dosing cyanide and xanthate
- Transferring or dosing polymers
- Dosing reagents

**BENEFITS:**

- Highly resistant to abrasion when transferring products with high solids media
- No mechanical seals or valves (for pumping difficult, viscous, sticky or high solids media)
- Easy to assemble, operate and maintain
- Heavy duty design allows 24/7 continuous use
- Indefinite dry running
- Reversible pumping
The food, beverage and cosmetic industries require a unique, sanitary pump design. The PeriBest food-grade version is built using heavy duty, non-contaminating materials with DIN 11851 or tri-clamp sanitary connections. The front cover and roller assembly are easy to dismantle, accelerating clean-in-place (CIP) processes. The food-grade peristaltic hose (manufactured in FDA food-grade Nitrile) has an extruded inner layer, high-density textile reinforcement and a precision machined outer layer. This unique design creates exact consistency between hoses and increases hose life, reducing consumption of spares and maintenance time.

**FOOD, BEVERAGE AND COSMETIC INDUSTRY APPLICATIONS:**

- Pumping diatomaceous earth
- Transferring viscous juices, sauces and media with solid pieces in the mixture
- Pumping additives, colorings and flavorings
- Transferring to filling machines

**BENEFITS:**

- Easy to assemble, operate and maintain
- FDA food-grade Nitrile hose
- Sanitary connections
- Simple to remove front cover and roller assembly
- -grade internal lubricant
- Gentle pumping with maximum efficiency
- Self-priming
- Full control of dosing with ±1% accuracy
Continuous pumping of highly abrasive fluids is common in the ceramics and construction industries. This creates pump wear, increasing parts replacement. The PeriBest peristaltic hose pump’s heavy duty construction is highly resistant to abrasion. The components in contact with fluid, whether it be the latest generation peristaltic hoses or the stainless steel connections, are also abrasion resistant. The design is easy to disassemble for cleaning and replacing hoses. This minimizes consumption of spare parts, downtime, maintenance costs and product waste.

**CERAMICS AND CONSTRUCTION APPLICATIONS:**

- Dosing very abrasive products like barium carbonate and potassium permanganate
- Transferring ceramic barbotine
- Dosing cement additives and colorings
- Transferring low-density cement

**BENEFITS:**

- Highly resistant to abrasion when transferring extremely abrasive products
- Suction capacity of up to 9.5 mWc
- Low spare hose consumption
- Heavy duty design allows 24/7 continuous use
- Easy to assemble, operate and maintain
PAPER INDUSTRY

Pumping large quantities of waste water with fiber residue or chemical substances for treatment are typical in the paper industry. The PeriBest peristaltic pumps are the perfect solution for these environments due to their heavy duty construction and newest technology peristaltic hoses. They provide convenience, control and durability when pumping products like calcium hydroxide (commonly used for water treatment). Dry running and high solids capacity are two of the most notable advantages when compared with traditional technologies like air operated diaphragm (AOD) pumps. PeriBest’s capacity for pumping high-density pulps is excellent, while AOD pumps can clog. Easy to assemble, operate and maintain, the PeriBest peristaltic hose pumps will substantially decrease downtime and maintenance costs.

PAPER INDUSTRY APPLICATIONS:
- Dosing chemicals and paint
- Transferring paper pulp
- Dosing lime milk
- Dosing additives and colorings
- Dosing and transferring glues

BENEFITS:
- Accurate and controlled dosing of chemical products
- Highly resistant to abrasion when transferring extremely abrasive products
- No problematic components like mechanical seals or valves
- Easy to assemble, operate and maintain
- Low spare hose consumption
- Dry running capability and suction power of up to 9.5 mWc

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